

Schema documentation for 127_2.0.0.20251104.xsd

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Resource hierarchy:

Legend: Import, Include, Redefine, Override, Cycle detected

127_2.0.0.20251104.xsd

S100_gmlProfile.xsd

xlink.xsd

xml.xsd

s100gmlbase.xsd

S100_gmlProfile.xsd

xlink.xsd

xml.xsd

Namespace: "http://www.ihc.int/S127/2.0"

Schema(s)

Main schema 127_2.0.0.20251104.xsd

Namespace	http://www.ihc.int/S127/2.0
Properties	attribute form default: unqualified element form default: qualified version: 2.0.0-20251104
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element(s)

Element bearingInformationType / cardinalDirection

Namespace	http://www.ihc.int/S127/2.0
Diagram	
Type	bearingInformation_cardinalDirectionType
Type hierarchy	<ul style="list-style-type: none"> • xs:string • bearingInformation_cardinalDirectionLabel • bearingInformation_cardinalDirectionType
Properties	content: complex

	minOccurs:	0		
	maxOccurs:	1		
Attributes	QName	Type	Use	
	code	bearingInformation_cardinalDirectionCode	required	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd			

Element bearingInformationType / distance

Namespace	http://www.ih0.int/S127/2.0
Diagram	<p>A numeric measure of the spatial separation between two locations.</p>
Type	distanceType
Properties	content: simple minOccurs: 0 maxOccurs: 1
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element bearingInformationType / information

Namespace	http://www.ih0.int/S127/2.0
Diagram	<p>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	content: complex minOccurs: 0 maxOccurs: unbounded
Model	fileLocator{0,1} , fileReference{0,1} , headline* , language{0,1} , text{0,1}
Children	fileLocator, fileReference, headline, language, text
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element informationType / fileLocator

Namespace	http://www.ih0.int/S127/2.0
Diagram	<p>The location of a fragment of text or other information in a support file.</p>

Type	fileLocatorType
Properties	content: simple minOccurs: 0 maxOccurs: 1
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element informationType / fileReference

Namespace	http://www.ihc.int/S127/2.0
Diagram	<pre> graph LR fileReference[fileReference] --> fileReferenceType[fileReferenceType] fileReferenceType --> fileReference </pre> <p>The diagram shows the <code>fileReference</code> element (highlighted in blue) with a reference to its type, <code>fileReferenceType</code> (highlighted in purple). A callout box indicates that <code>fileReferenceType</code> is "The file name of an externally referenced text file".</p>
Type	fileReferenceType
Properties	content: simple minOccurs: 0 maxOccurs: 1

Element informationType / headline

Namespace	http://www.ihc.int/S127/2.0
Diagram	<pre> graph LR headline[headline] --> headlineType[headlineType] headlineType --> headline </pre> <p>The diagram shows the <code>headline</code> element (highlighted in blue) with a reference to its type, <code>headlineType</code> (highlighted in purple). A callout box indicates that <code>headlineType</code> is "Words set at the head of a passage or page to introduce or categorize."</p>
Type	headlineType
Properties	content: simple minOccurs: 0 maxOccurs: unbounded

Element informationType / language

Namespace	http://www.ihc.int/S127/2.0
Diagram	<pre> graph LR language[language] --> languageType[languageType] languageType --> language </pre> <p>The diagram shows the <code>language</code> element (highlighted in blue) with a reference to its type, <code>languageType</code> (highlighted in purple). A callout box indicates that <code>languageType</code> is "The method of human communication, either spoken or written, consisting of the use of words in a structured and..."</p>
Type	languageType
Properties	content: simple minOccurs: 0 maxOccurs: 1

Element informationType / text

Namespace	http://www.ihc.int/S127/2.0
Diagram	<pre> graph LR text[text] --> textType[textType] textType --> text </pre> <p>The diagram shows the <code>text</code> element (highlighted in blue) with a reference to its type, <code>textType</code> (highlighted in purple). A callout box indicates that <code>textType</code> is "A non-formatted digital text string."</p>

Type	textType
Properties	content: simple minOccurs: 0 maxOccurs: 1
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element bearingInformationType / orientation

Namespace	http://www.ihc.int/S127/2.0
Diagram	<pre> classDiagram class orientationType { orientationUncertainty orientationValue } class orientation { orientationType } orientation "1" -- "1" orientationType orientationUncertainty "1" -- "1" orientationUncertaintyType orientationValue "1" -- "1" orientationValueType </pre> <p>(1) The angular distance measured from true north to the major axis of the feature. (2) In ECDIS, the mode in which...</p>
Type	orientationType
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	orientationUncertainty{0,1} , orientationValue
Children	orientationUncertainty, orientationValue
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element orientationType / orientationUncertainty

Namespace	http://www.ihc.int/S127/2.0
Diagram	<pre> classDiagram class orientationUncertaintyType </pre> <p>The best estimate of the accuracy of a bearing.</p>
Type	orientationUncertaintyType
Properties	content: simple minOccurs: 0 maxOccurs: 1
Facets	maxInclusive 360.000 minInclusive 0.000
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element orientationType / orientationValue

Namespace	http://www.ihc.int/S127/2.0
Diagram	<pre> classDiagram class orientationValueType </pre> <p>The angular distance measured from true north to the major axis of the feature.</p>
Type	orientationValueType
Properties	content: simple minOccurs: 1 maxOccurs: 1

	nillable:	true
Facets	maxInclusive	360.0
	minInclusive	0.0
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Element contactAddressType / deliveryPoint

Namespace	http://www.ihc.int/S127/2.0						
Diagram	<pre> classDiagram class deliveryPoint { <<Type>> } class deliveryPointType { <<Type>> } deliveryPoint "0..1" -- "0..1" deliveryPointType deliveryPointType <<Details of where post can be delivered such as the apartment, name and/or number of a street, building or PO Box.>> </pre>						
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						
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element contactAddressType / cityName

Namespace	http://www.ihc.int/S127/2.0						
Diagram	<pre> classDiagram class cityName { <<Type>> } class cityNameType { <<Type>> } cityName "0..1" -- "0..1" cityNameType cityNameType <<The name of a town or city.>> </pre>						
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						
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element contactAddressType / administrativeDivision

Namespace	http://www.ihc.int/S127/2.0						
Diagram	<pre> classDiagram class administrativeDivision { <<Type>> } class administrativeDivisionType { <<Type>> } administrativeDivision "0..1" -- "0..1" administrativeDivisionType administrativeDivisionType <<A generic term for an administrative region within a country at a level below that of the sovereign state.>> </pre>						
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						
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element contactAddressType / countryName

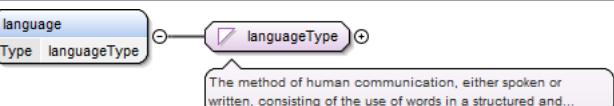
Namespace	http://www.ihc.int/S127/2.0
Diagram	<pre> classDiagram class countryName { <<Type>> } class countryNameType { <<Type>> } countryName "0..1" -- "0..1" countryNameType countryNameType <<The name of a nation.>> </pre>

Type	countryNameType
Properties	content: simple minOccurs: 0 maxOccurs: 1
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

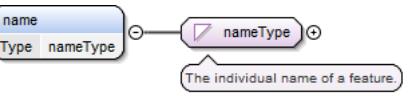
Element contactAddressType / postalCode

Namespace	http://www.ih0.int/S127/2.0
Diagram	
Type	postalCodeType
Properties	content: simple minOccurs: 0 maxOccurs: 1
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element featureNameType / language

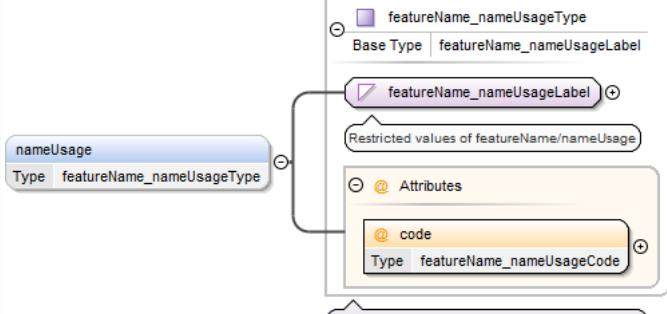
Namespace	http://www.ih0.int/S127/2.0
Diagram	
Type	languageType
Properties	content: simple minOccurs: 1 maxOccurs: 1 nillable: true
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element featureNameType / name

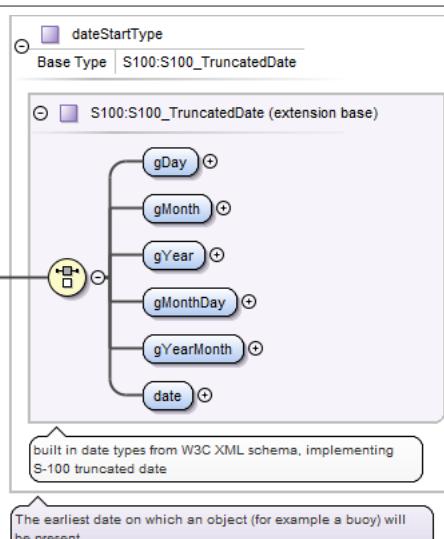
Namespace	http://www.ih0.int/S127/2.0
Diagram	
Type	nameType
Properties	content: simple minOccurs: 1 maxOccurs: 1 nillable: true
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element featureNameType / nameUsage

Namespace	http://www.ih0.int/S127/2.0
-----------	-----------------------------

Diagram							
Type	featureName_nameUsageType						
Type hierarchy	<ul style="list-style-type: none"> xs:string featureName_nameUsageLabel featureName_nameUsageType 						
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>featureName_nameUsageCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	featureName_nameUsageCode	required
QName	Type	Use					
code	featureName_nameUsageCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element fixedDateRangeType / dateStart

Namespace	http://www.ihc.int/S127/2.0						
Diagram							
Type	dateStartType						
Type hierarchy	<ul style="list-style-type: none"> S100_TruncatedDate <ul style="list-style-type: none"> dateStartType 						
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	gDay gMonth gYear gMonthDay gYearMonth date						
Children	date, gDay, gMonth, gMonthDay, gYear, gYearMonth						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element `fixedDateRangeType / dateEnd`

Namespace	http://www.ihc.int/S127/2.0						
Diagram							
Type	dateEndType						
Type hierarchy	<ul style="list-style-type: none"> S100_TrimmedDate <ul style="list-style-type: none"> dateEndType 						
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	gDay gMonth gYear gMonthDay gYearMonth date						
Children	date, gDay, gMonth, gMonthDay, gYear, gYearMonth						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element `frequencyPairType / frequencyShoreStationReceives`

Namespace	http://www.ihc.int/S127/2.0						
Diagram							
Type	frequencyShoreStationReceivesType						
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						
Facets	minExclusive 0						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element `frequencyPairType / frequencyShoreStationTransmits`

Namespace	http://www.ihc.int/S127/2.0				
Diagram					
Type	frequencyShoreStationTransmitsType				
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1
content:	simple				
minOccurs:	1				

	maxOccurs:	1
	nillable:	true
Facets	minExclusive	0
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Element graphicType / pictorialRepresentation

Namespace	http://www.ihc.int/S127/2.0								
Diagram	<pre> classDiagram class pictorialRepresentation { <<Type>> } class pictorialRepresentationType { <<pictorialRepresentationType>> } pictorialRepresentation "0..1" --> pictorialRepresentationType </pre>								
Type	pictorialRepresentationType								
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>unbounded</td> </tr> <tr> <td>nillable:</td> <td>true</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	unbounded	nillable:	true
content:	simple								
minOccurs:	1								
maxOccurs:	unbounded								
nillable:	true								
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Element graphicType / pictureCaption

Namespace	http://www.ihc.int/S127/2.0						
Diagram	<pre> classDiagram class pictureCaption { <<Type>> } class pictureCaptionType { <<pictureCaptionType>> } pictureCaption "0..1" --> pictureCaptionType </pre>						
Type	pictureCaptionType						
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						
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element graphicType / sourceDate

Namespace	http://www.ihc.int/S127/2.0						
Diagram	<pre> classDiagram class sourceDate { <<Type>> } class sourceDateType { <<sourceDateType>> } sourceDate "0..1" --> sourceDateType </pre>						
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						
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element graphicType / pictureInformation

Namespace	http://www.ihc.int/S127/2.0
Diagram	<pre> classDiagram class pictureInformation { <<Type>> } class pictureInformationType { <<pictureInformationType>> } pictureInformation "0..1" --> pictureInformationType </pre>
Type	pictureInformationType

Properties	content: simple minOccurs: 0 maxOccurs: 1
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element graphicType / bearingInformation

Namespace	http://www.ihc.int/S127/2.0
Diagram	<pre> classDiagram class bearingInformationType { cardinalDirection : bearingInformation_cardinalDirectionType distance : distanceType information : informationType * orientation : orientationType } class bearingInformation { <<Type bearingInformationType>> } bearingInformation < -- bearingInformationType note over bearingInformationType: A bearing is the direction one object is from another object. </pre>
Type	bearingInformationType
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	cardinalDirection{0,1} , distance{0,1} , information* , orientation{0,1}
Children	cardinalDirection, distance, information, orientation
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element horizontalPositionUncertaintyType / uncertaintyFixed

Namespace	http://www.ihc.int/S127/2.0
Diagram	<pre> classDiagram class uncertaintyFixedType { <<Type uncertaintyFixedType>> } class uncertaintyFixed { <<Type uncertaintyFixedType>> } uncertaintyFixed < -- uncertaintyFixedType note over uncertaintyFixedType: The best estimate of the fixed horizontal or vertical accuracy component for positions, depths, heights, vertical... </pre>
Type	uncertaintyFixedType
Properties	content: simple minOccurs: 1 maxOccurs: 1 nillable: true
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element horizontalPositionUncertaintyType / uncertaintyVariableFactor

Namespace	http://www.ihc.int/S127/2.0
Diagram	<pre> classDiagram class uncertaintyVariableFactorType { <<Type uncertaintyVariableFactorType>> } class uncertaintyVariableFactor { <<Type uncertaintyVariableFactorType>> } uncertaintyVariableFactor < -- uncertaintyVariableFactorType note over uncertaintyVariableFactorType: The factor to be applied to the variable component of an uncertainty equation so as to provide the best estimate of the... </pre>
Type	uncertaintyVariableFactorType
Properties	content: simple minOccurs: 0

	maxOccurs:	1
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Element noticeTimeType / noticeTimeHours

Namespace	http://www.aho.int/S127/2.0	
Diagram	<pre> classDiagram noticeTimeHoursType < -- noticeTimeHours noticeTimeHoursType { <<The time duration prior to the time the service is needed, when notice must be provided to the service provider.>> } </pre>	
Type	noticeTimeHoursType	
Properties	content: simple minOccurs: 0 maxOccurs: unbounded	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Element noticeTimeType / noticeTimeText

Namespace	http://www.aho.int/S127/2.0	
Diagram	<pre> classDiagram noticeTimeTextType < -- noticeTimeText noticeTimeTextType { <<Text string qualifying the notice time hours. This may explain the time specification of the hours (for example, 3...)>> } </pre>	
Type	noticeTimeTextType	
Properties	content: simple minOccurs: 0 maxOccurs: 1	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Element noticeTimeType / operation

Namespace	http://www.aho.int/S127/2.0							
Diagram	<pre> classDiagram noticeTime_operationType < -- operation noticeTime_operationType { <<Restricted values of noticeTime/operation>> @Attributes @code } </pre>							
Type	noticeTime_operationType							
Type hierarchy	<ul style="list-style-type: none"> xs:string noticeTime_operationLabel noticeTime_operationType 							
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>noticeTime_operationCode</td> <td>required</td> </tr> </tbody> </table>		QName	Type	Use	code	noticeTime_operationCode	required
QName	Type	Use						
code	noticeTime_operationCode	required						

Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd
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Element onlineResourceType / linkage

Namespace	http://www.ihc.int/S127/2.0
Diagram	
Type	linkageType
Properties	content: simple minOccurs: 1 maxOccurs: 1 nillable: true
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element onlineResourceType / protocol

Namespace	http://www.ihc.int/S127/2.0
Diagram	
Type	protocolType
Properties	content: simple minOccurs: 0 maxOccurs: 1
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element onlineResourceType / applicationProfile

Namespace	http://www.ihc.int/S127/2.0
Diagram	
Type	applicationProfileType
Properties	content: simple minOccurs: 0 maxOccurs: 1
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element onlineResourceType / nameOfResource

Namespace	http://www.ihc.int/S127/2.0
Diagram	
Type	nameOfResourceType
Properties	content: simple minOccurs: 0 maxOccurs: 1

Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd
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Element onlineResourceType / onlineResourceDescription

Namespace	http://www.ihc.int/S127/2.0						
Diagram	<p>The diagram shows a UML class diagram. A blue rounded rectangle labeled "onlineResourceDescription" contains the word "Type". An arrow points from this to a purple rounded rectangle labeled "onlineResourceDescriptionType". Another arrow points from "onlineResourceDescriptionType" to a callout box containing the text "Detailed text description of what the online resource is/does."</p>						
Type	onlineResourceDescriptionType						
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						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element onlineResourceType / onlineFunction

Namespace	http://www.ihc.int/S127/2.0						
Diagram	<p>The diagram shows a UML class diagram. A blue rounded rectangle labeled "onlineFunction" contains the word "Type". An arrow points from this to a purple rounded rectangle labeled "onlineResource_onlineFunctionType". Another arrow points from "onlineResource_onlineFunctionType" to a callout box containing the text "Restricted values of onlineResource/onlineFunction". A third arrow points from "onlineResource_onlineFunctionType" to a callout box containing the text "Restricted values of onlineFunction in onlineResource". A fourth arrow points from "onlineResource_onlineFunctionType" to a callout box containing the text "Attributes". Inside this box, there is another callout box for "@code" with the text "Type onlineResource_onlineFunctionCode".</p>						
Type	onlineResource_onlineFunctionType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • onlineResource_onlineFunctionLabel • onlineResource_onlineFunctionType 						
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>onlineResource_onlineFunctionCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	onlineResource_onlineFunctionCode	required
QName	Type	Use					
code	onlineResource_onlineFunctionCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element onlineResourceType / protocolRequest

Namespace	http://www.ihc.int/S127/2.0						
Diagram	<p>The diagram shows a UML class diagram. A blue rounded rectangle labeled "protocolRequest" contains the word "Type". An arrow points from this to a purple rounded rectangle labeled "protocolRequestType". Another arrow points from "protocolRequestType" to a callout box containing the text "Request used to access the resource. Structure and content depend on the protocol and standard used by the online..."</p>						
Type	protocolRequestType						
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						

Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd
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Element periodicDateRangeType / dateStart

Namespace	http://www.ihc.int/S127/2.0								
Diagram	<pre> classDiagram dateStartType < -- S100:S100_TruncatedDate S100:S100_TruncatedDate < -- gDay S100:S100_TruncatedDate < -- gMonth S100:S100_TruncatedDate < -- gYear S100:S100_TruncatedDate < -- gMonthDay S100:S100_TruncatedDate < -- gYearMonth S100:S100_TruncatedDate < -- date </pre> <p>The diagram illustrates the inheritance path of the <code>dateStart</code> element. It starts with the <code>dateStart</code> element, which is defined as a type of <code>dateStartType</code>. This type is a base type for <code>S100:S100_TruncatedDate</code>, which in turn extends 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 provides a detailed description of the <code>S100:S100_TruncatedDate</code> type.</p>								
Type	dateStartType								
Type hierarchy	<ul style="list-style-type: none"> • S100_TruncatedDate <ul style="list-style-type: none"> • dateStartType 								
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								
Model	<code>gDay gMonth gYear gMonthDay gYearMonth date</code>								
Children	<code>date, gDay, gMonth, gMonthDay, gYear, gYearMonth</code>								
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Element periodicDateRangeType / dateEnd

Namespace	http://www.ihc.int/S127/2.0
Diagram	<pre> classDiagram dateEndType < -- S100:S100_TruncatedDate S100:S100_TruncatedDate < -- gDay S100:S100_TruncatedDate < -- gMonth S100:S100_TruncatedDate < -- gYear S100:S100_TruncatedDate < -- gMonthDay S100:S100_TruncatedDate < -- gYearMonth S100:S100_TruncatedDate < -- date </pre> <p>The diagram illustrates the inheritance path of the <code>dateEnd</code> element. It starts with the <code>dateEnd</code> element, which is defined as a type of <code>dateEndType</code>. This type is a base type for <code>S100:S100_TruncatedDate</code>, which in turn extends 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 provides a detailed description of the <code>S100:S100_TruncatedDate</code> type.</p>

Type	dateEndType
Type hierarchy	<ul style="list-style-type: none"> S100_TruncatedDate <ul style="list-style-type: none"> dateEndType
Properties	<p>content: complex</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p> <p>nillable: true</p>
Model	gDay gMonth gYear gMonthDay gYearMonth date
Children	date, gDay, gMonth, gMonthDay, gYear, gYearMonth
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element rxNCodeType / categoryOfRxN

Namespace	http://www.ihoint/S127/2.0																				
Diagram	<pre> classDiagram categoryOfRxNType "Base Type" categoryOfRxNLabel_Union "Union type for labels corresponding to extra codelist values." categoryOfRxN "Type" categoryOfRxNType "Type" categoryOfRxNType < -- categoryOfRxNLabel_Union categoryOfRxNLabel_Union < -- categoryOfRxN categoryOfRxNLabel_Union { @ Attributes code codelistType otherValue } </pre> <p>The diagram illustrates the schema structure for the <code>categoryOfRxN</code> element. It shows <code>categoryOfRxN</code> as a type that derives from <code>categoryOfRxNLabel_Union</code>, which in turn derives from <code>categoryOfRxNType</code>. The <code>categoryOfRxNLabel_Union</code> type is described as a union type for labels corresponding to extra codelist values. It contains three attributes: <code>code</code> (type <code>categoryOfRxNCode</code>), <code>codelistType</code> (type <code>codelistTypeType</code>, fixed open enumeration), and <code>otherValue</code> (type <code>extraValueType</code>). A note indicates that <code>otherValue</code> is only present if an "extra" value is encoded. Another note specifies that the principal subject matter of regulations, restrictions, recommendations or nautical information.</p>																				
Type	categoryOfRxNType																				
Type hierarchy	<ul style="list-style-type: none"> xs:anySimpleType <ul style="list-style-type: none"> categoryOfRxNLabel_Union categoryOfRxNType 																				
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>																				
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></td> <td colspan="2">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																			
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																				

Element rxNCodeType / actionOrActivity

Namespace	http://www.ihoint/S127/2.0
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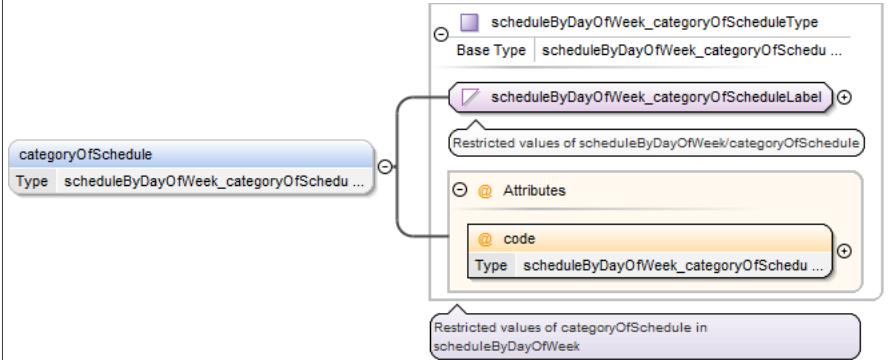
Diagram																					
Type	actionOrActivityType																				
Type hierarchy	<ul style="list-style-type: none"> xs:anySimpleType <ul style="list-style-type: none"> actionOrActivityLabel_Union actionOrActivityType 																				
Properties	<table> <tr> <td>content:</td> <td>complex</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> <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																				
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																				

Element rxNCodeType / headline

Namespace	http://www.ihc.int/S127/2.0						
Diagram							
Type	headlineType						
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						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element scheduleByDayOfWeekType / categoryOfSchedule

Namespace	http://www.ihc.int/S127/2.0
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Diagram							
Type	scheduleByDayOfWeek_categoryOfScheduleType						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> scheduleByDayOfWeek_categoryOfScheduleLabel scheduleByDayOfWeek_categoryOfScheduleType 						
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					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element scheduleByDayOfWeekType / text

Namespace	http://www.aho.int/S127/2.0						
Diagram	 text Type textType A non-formatted digital text string.						
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						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element scheduleByDayOfWeekType / timeIntervalsByDayOfWeek

Namespace	http://www.aho.int/S127/2.0
Diagram	 timeIntervalsByDayOfTheWeek Type timeIntervalsByDayOfTheWeekType dayOfTheWeek Type timeIntervalsByDayOfTheWeek_dayOfTheWeekType dayOfTheWeekIsRange Type dayOfTheWeekIsRangeType timeOfDayStart Type timeOfDayStartType timeOfDayEnd Type timeOfDayEndType The regular weekly operation times of a service or schedule.

Type	timeIntervalsByDayOfWeekType
Properties	content: complex minOccurs: 1 maxOccurs: unbounded
Model	dayOfTheWeek {0,7} , dayOfTheWeekIsRange {0,1} , timeOfDayStart* , timeOfDayEnd*
Children	dayOfTheWeek, dayOfTheWeekIsRange, timeOfDayEnd, timeOfDayStart
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element timeIntervalsByDayOfWeekType / dayOfTheWeek

Namespace	http://www.oho.int/S127/2.0						
Diagram	<pre> classDiagram timeIntervalsByDayOfWeekType < -- timeIntervalsByDayOfWeek_dayOfTheWeekType timeIntervalsByDayOfWeekType < -- @ code : timeIntervalsByDayOfWeek_dayOfTheWeekCode note over timeIntervalsByDayOfWeekType: Restricted values of dayOfTheWeek in timeIntervalsByDayOfTheWeek </pre>						
Type	timeIntervalsByDayOfWeek_dayOfTheWeekType						
Type hierarchy	<ul style="list-style-type: none"> xs:string timeIntervalsByDayOfWeek_dayOfTheWeekLabel timeIntervalsByDayOfWeek_dayOfTheWeekType 						
Properties	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</td> <td>timeIntervalsByDayOfWeek_dayOfTheWeekCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	timeIntervalsByDayOfWeek_dayOfTheWeekCode	required
QName	Type	Use					
code	timeIntervalsByDayOfWeek_dayOfTheWeekCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element timeIntervalsByDayOfWeekType / dayOfTheWeekIsRange

Namespace	http://www.oho.int/S127/2.0
Diagram	<pre> classDiagram dayOfTheWeekIsRangeType < -- dayOfTheWeekIsRange note over dayOfTheWeekIsRangeType: A statement expressing if the days of the week identified define a range or not. </pre>
Type	dayOfTheWeekIsRangeType
Properties	content: simple minOccurs: 0 maxOccurs: 1
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element timeIntervalsByDayOfWeekType / timeOfDayStart

Namespace	http://www.oho.int/S127/2.0
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Diagram	
Type	timeOfDayStartType
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element timeIntervalsByDayOfWeekType / timeOfDayEnd

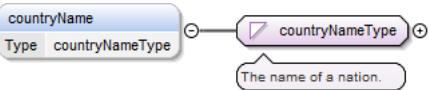
Namespace	http://www.ihoint/S127/2.0
Diagram	
Type	timeOfDayEndType
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element sourceIndicationType / categoryOfAuthority

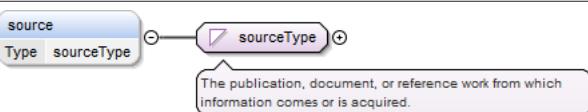
Namespace	http://www.ihoint/S127/2.0						
Diagram							
Type	sourceIndication_categoryOfAuthorityType						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> sourceIndication_categoryOfAuthorityLabel sourceIndication_categoryOfAuthorityType 						
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>						
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					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element sourceIndicationType / countryName

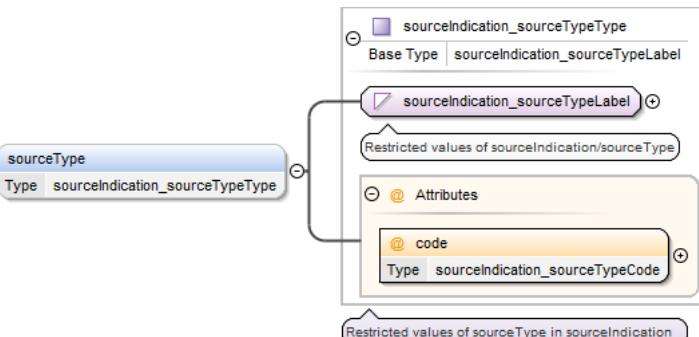
Namespace	http://www.ihoint/S127/2.0
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Diagram							
Type	countryNameType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element sourceIndicationType / source

Namespace	http://www.ihc.int/S127/2.0						
Diagram							
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						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element sourceIndicationType / sourceType

Namespace	http://www.ihc.int/S127/2.0						
Diagram							
Type	sourceIndication_sourceTypeType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • sourceIndication_sourceTypeLabel • sourceIndication_sourceTypeType 						
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_sourceTypeCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	sourceIndication_sourceTypeCode	required
QName	Type	Use					
code	sourceIndication_sourceTypeCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element sourceIndicationType / reportedDate

Namespace	http://www.ihc.int/S127/2.0
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Diagram							
Type	reportedDateType						
Type hierarchy	<ul style="list-style-type: none"> • S100_TrimmedDate <ul style="list-style-type: none"> • reportedDateType 						
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	gDay gMonth gYear gMonthDay gYearMonth date						
Children	date, gDay, gMonth, gMonthDay, gYear, gYearMonth						
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element sourceIndicationType / featureName

Namespace	http://www.ihc.int/S127/2.0						
Diagram							
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}						
Children	language, name, nameUsage						
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element surveyDateRangeType / dateStart

Namespace	http://www.ihc.int/S127/2.0
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Diagram							
Type	dateStartType						
Type hierarchy	<ul style="list-style-type: none"> • S100_TrimmedDate <ul style="list-style-type: none"> • dateStartType 						
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	gDay gMonth gYear gMonthDay gYearMonth date						
Children	date, gDay, gMonth, gMonthDay, gYear, gYearMonth						
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element surveyDateRangeType / dateEnd

Namespace	http://www.ihc.int/S127/2.0						
Diagram							
Type	dateEndType						
Type hierarchy	<ul style="list-style-type: none"> • S100_TrimmedDate <ul style="list-style-type: none"> • dateEndType 						
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						

	nillable: true
Model	gDay gMonth gYear gMonthDay gYearMonth date
Children	date, gDay, gMonth, gMonthDay, gYear, gYearMonth
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element spatialAccuracyType / fixedDateRange

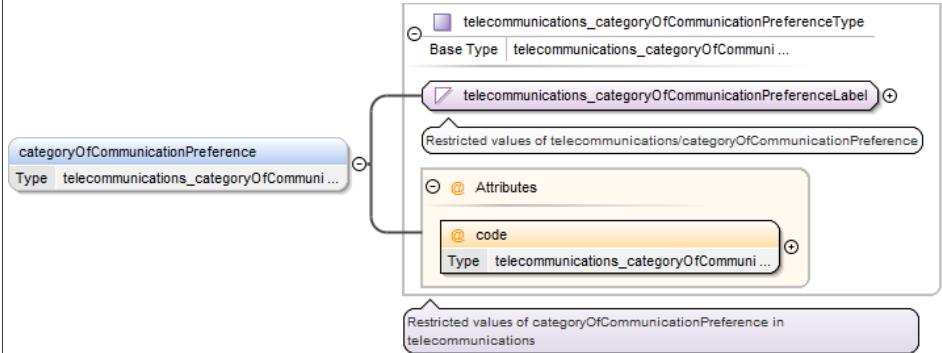
Namespace	http://www.ih0.int/S127/2.0						
Diagram							
Type	fixedDateRangeType						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	dateStart{0,1} , dateEnd{0,1}						
Children	dateEnd, dateStart						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element spatialAccuracyType / horizontalPositionUncertainty

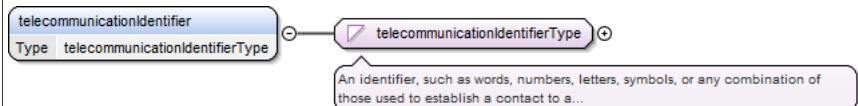
Namespace	http://www.ih0.int/S127/2.0						
Diagram							
Type	horizontalPositionUncertaintyType						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	uncertaintyFixed , uncertaintyVariableFactor{0,1}						
Children	uncertaintyFixed, uncertaintyVariableFactor						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element telecommunicationsType / categoryOfCommunicationPreference

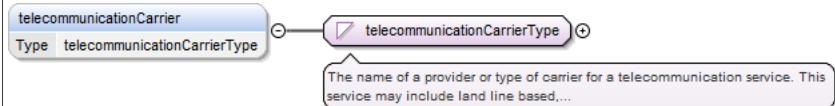
Namespace	http://www.ih0.int/S127/2.0
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Diagram							
Type	telecommunications_categoryOfCommunicationPreferenceType						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> telecommunications_categoryOfCommunicationPreferenceLabel telecommunications_categoryOfCommunicationPreferenceType 						
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>telecommunications_categoryOfCommunicationPreferenceCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	telecommunications_categoryOfCommunicationPreferenceCode	required
QName	Type	Use					
code	telecommunications_categoryOfCommunicationPreferenceCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element telecommunicationsType / telecommunicationIdentifier

Namespace	http://www.oho.int/S127/2.0								
Diagram									
Type	telecommunicationIdentifierType								
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								
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Element telecommunicationsType / telecommunicationCarrier

Namespace	http://www.oho.int/S127/2.0						
Diagram							
Type	telecommunicationCarrierType						
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						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element `telecommunicationsType / contactInstructions`

Namespace	http://www.ihc.int/S127/2.0						
Diagram	<p>The diagram shows a UML class named <code>contactInstructionsType</code> with a multiplicity of 1..* at its end. It is connected to another class named <code>contactInstructions</code> via a directed association. A callout box below the association line states: "Instructions provided on how to contact a particular person, organisation or service."</p>						
Type	<code>contactInstructionsType</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						
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element `telecommunicationsType / telecommunicationService`

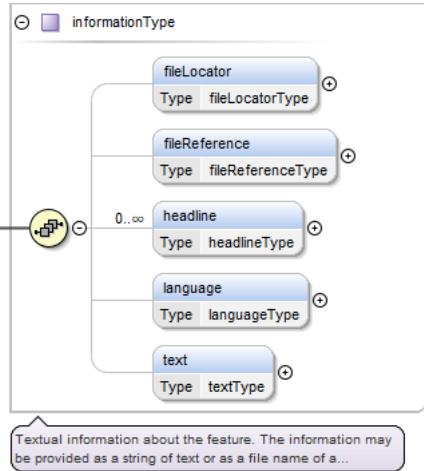
Namespace	http://www.ihc.int/S127/2.0						
Diagram	<p>The diagram shows a UML class named <code>telecommunications_telecommunicationServiceType</code> with a multiplicity of 1..* at its end. It is connected to another class named <code>telecommunicationService</code> via a directed association. A callout box below the association line states: "Restricted values of telecommunicationService in telecommunications". Another callout box points to the attribute <code>code</code> with the text: "Restricted values of telecommunicationService in telecommunications".</p>						
Type	<code>telecommunications_telecommunicationServiceType</code>						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • <code>telecommunications_telecommunicationServiceLabel</code> • <code>telecommunications_telecommunicationServiceType</code> 						
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>code</code></td> <td><code>telecommunications_telecommunicationServiceCode</code></td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	<code>code</code>	<code>telecommunications_telecommunicationServiceCode</code>	required
QName	Type	Use					
<code>code</code>	<code>telecommunications_telecommunicationServiceCode</code>	required					
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element `textContentType / categoryOfText`

Namespace	http://www.ihc.int/S127/2.0
Diagram	<p>The diagram shows a UML class named <code>textContent_categoryOfTextType</code> with a multiplicity of 1..* at its end. It is connected to another class named <code>categoryOfText</code> via a directed association. A callout box below the association line states: "Restricted values of categoryOfText in textContent". Another callout box points to the attribute <code>code</code> with the text: "Restricted values of categoryOfText in textContent".</p>

Type	textContent_categoryOfTextType		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • textContent_categoryOfTextLabel • textContent_categoryOfTextType 		
Properties	content: complex minOccurs: 0 maxOccurs: 1		
Attributes	QName	Type	Use
	code	textContent_categoryOfTextCode	required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Element textContentType / information

Namespace	http://www.ih0.int/S127/2.0
Diagram	 <p>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	content: complex minOccurs: 0 maxOccurs: unbounded
Model	fileLocator{0,1} , fileReference{0,1} , headline* , language{0,1} , text{0,1}
Children	fileLocator, fileReference, headline, language, text
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element textContentType / onlineResource

Namespace	http://www.ih0.int/S127/2.0
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Diagram	<pre> classDiagram class onlineResourceType { linkage linkageType protocol protoType applicationProfile applicationProfileType nameOfResource nameOfResourceType onlineResourceDescription onlineResourceDescriptionType onlineFunction onlineResource_onlineFunctionType protocolRequest protoRequestType } class onlineResource { Type onlineResourceType } onlineResource < -- 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;">1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	linkage , protocol{0,1} , applicationProfile{0,1} , nameOfResource{0,1} , onlineResourceDescription{0,1} , onlineFunction{0,1} , protocolRequest{0,1}						
Children	applicationProfile, linkage, nameOfResource, onlineFunction, onlineResourceDescription, protocol, protocolRequest						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element `textContentType / sourceIndication`

Namespace	http://www.ihc.int/S127/2.0						
Diagram	<pre> classDiagram class sourceIndicationType { categoryOfAuthority sourceIndication_categoryOfAuthorityType countryName countryNameType source sourceType sourceType sourceIndication_sourceTypeType reportedDate reportedDateType 0..> featureName featureNameType } class sourceIndication { Type sourceIndicationType } sourceIndication < -- sourceIndicationType </pre>						
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*						

Children	categoryOfAuthority, countryName, featureName, reportedDate, source, sourceType
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element underKeelAllowanceType / underKeelAllowanceFixed

Namespace	http://www.ihc.int/S127/2.0						
Diagram							
Type	underKeelAllowanceFixedType						
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						
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element underKeelAllowanceType / underKeelAllowanceVariableBeamBased

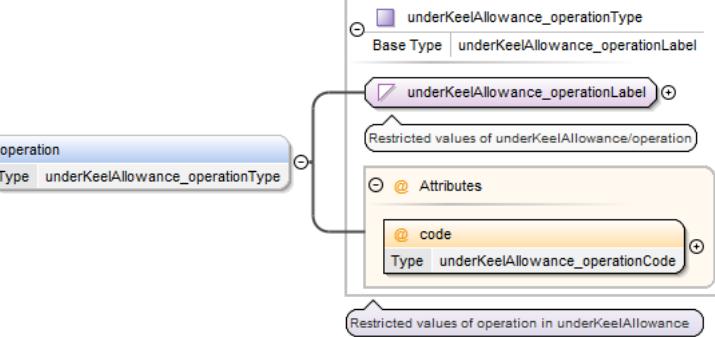
Namespace	http://www.ihc.int/S127/2.0						
Diagram							
Type	underKeelAllowanceVariableBeamBasedType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	minExclusive 0						
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element underKeelAllowanceType / underKeelAllowanceVariableDraughtBased

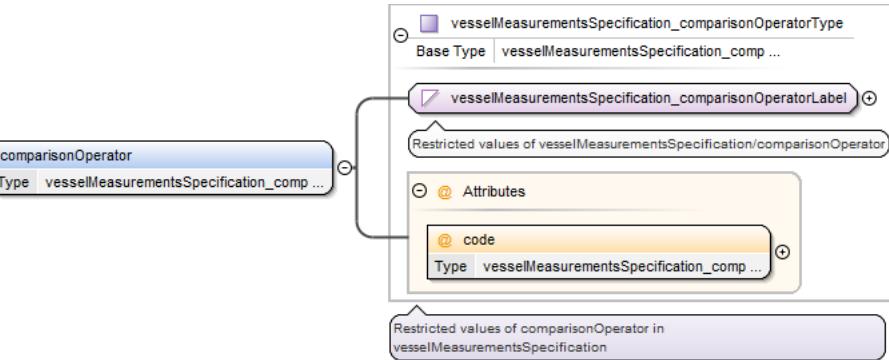
Namespace	http://www.ihc.int/S127/2.0						
Diagram							
Type	underKeelAllowanceVariableDraughtBasedType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	minExclusive 0						
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element underKeelAllowanceType / operation

Namespace	http://www.ihc.int/S127/2.0
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Diagram							
Type	underKeelAllowance_operationType						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> underKeelAllowance_operationLabel underKeelAllowance_operationType 						
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>underKeelAllowance_operationCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	underKeelAllowance_operationCode	required
QName	Type	Use					
code	underKeelAllowance_operationCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element vesselMeasurementsSpecificationType / comparisonOperator

Namespace	http://www.ihc.int/S127/2.0								
Diagram									
Type	vesselMeasurementsSpecification_comparisonOperatorType								
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> vesselMeasurementsSpecification_comparisonOperatorLabel vesselMeasurementsSpecification_comparisonOperatorType 								
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>vesselMeasurementsSpecification_comparisonOperatorCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	vesselMeasurementsSpecification_comparisonOperatorCode	required		
QName	Type	Use							
code	vesselMeasurementsSpecification_comparisonOperatorCode	required							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Element vesselMeasurementsSpecificationType / vesselsCharacteristics

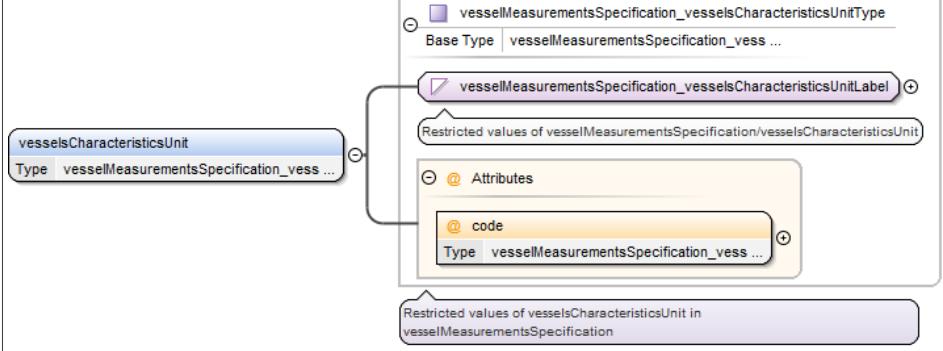
Namespace	http://www.ihc.int/S127/2.0								
Diagram	<pre> classDiagram class vesselMeasurementsSpecification_vesselCharacteristicsType { <<Base Type vesselMeasurementsSpecification_vesselCharacteristicsType>> } class vesselMeasurementsSpecification_vesselCharacteristicsLabel { <<Restricted values of vesselMeasurementsSpecification/vesselCharacteristics>> } class Attributes { <<@ Attributes>> } class code { <<@ code vesselMeasurementsSpecification_vesselCharacteristicsType>> } class Note { <<Restricted values of vesselCharacteristics in vesselMeasurementsSpecification>> } vesselMeasurementsSpecification_vesselCharacteristicsType < -- vesselMeasurementsSpecification_vesselCharacteristicsLabel vesselMeasurementsSpecification_vesselCharacteristicsLabel --> Attributes Attributes --> code code --> Note </pre>								
Type	vesselMeasurementsSpecification_vesselCharacteristicsType								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • vesselMeasurementsSpecification_vesselCharacteristicsLabel • vesselMeasurementsSpecification_vesselCharacteristicsType 								
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>vesselMeasurementsSpecification_vesselCharacteristicsCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	vesselMeasurementsSpecification_vesselCharacteristicsCode	required		
QName	Type	Use							
code	vesselMeasurementsSpecification_vesselCharacteristicsCode	required							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Element vesselMeasurementsSpecificationType / vesselsCharacteristicsValue

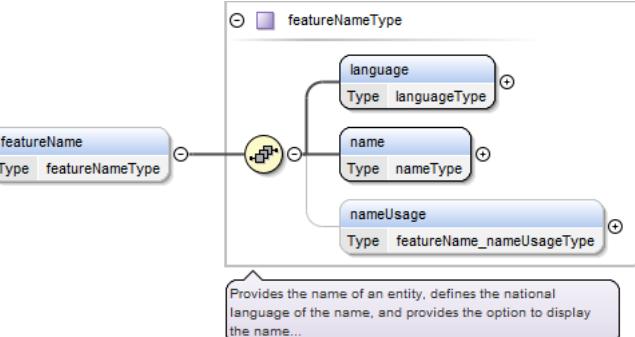
Namespace	http://www.ihc.int/S127/2.0								
Diagram	<pre> classDiagram class vesselsCharacteristicsValue { <<Type vesselsCharacteristicsValue>> } class vesselsCharacteristicsValueType { <<The value of a particular characteristic such as a dimension or tonnage of a vessel>> } vesselsCharacteristicsValue < -- vesselsCharacteristicsValueType </pre>								
Type	vesselsCharacteristicsValueType								
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								
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Element vesselMeasurementsSpecificationType / vesselsCharacteristicsUnit

Namespace	http://www.ihc.int/S127/2.0
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Diagram									
Type	vesselMeasurementsSpecification_vesselCharacteristicsUnitType								
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> vesselMeasurementsSpecification_vesselCharacteristicsUnitLabel vesselMeasurementsSpecification_vesselCharacteristicsUnitType 								
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>vesselMeasurementsSpecification_vesselCharacteristicsUnitCode</td><td>required</td></tr> </tbody> </table>	QName	Type	Use	code	vesselMeasurementsSpecification_vesselCharacteristicsUnitCode	required		
QName	Type	Use							
code	vesselMeasurementsSpecification_vesselCharacteristicsUnitCode	required							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Element InformationType / featureName

Namespace	http://www.ihoint/S127/2.0						
Diagram							
Type	featureNameType						
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	language , name , nameUsage{0,1}						
Children	language, name, nameUsage						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element InformationType / fixedDateRange

Namespace	http://www.ihoint/S127/2.0
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Diagram	<p>The diagram shows the schema element <code>fixedDateRange</code> (Type: <code>fixedDateRangeType</code>) with two properties: <code>dateStart</code> (Type: <code>dateStartType</code>) and <code>dateEnd</code> (Type: <code>dateEndType</code>). A callout box below the properties states: "An active period of a single fixed event or occurrence, as the date range between discrete start and end dates."</p>						
Type	<code>fixedDateRangeType</code>						
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	<code>dateStart{0,1}</code> , <code>dateEnd{0,1}</code>						
Children	<code>dateEnd</code> , <code>dateStart</code>						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element InformationType / periodicDateRange

Namespace	http://www.ihc.int/S127/2.0						
Diagram	<p>The diagram shows the schema element <code>periodicDateRange</code> (Type: <code>periodicDateRangeType</code>) with two properties: <code>dateStart</code> (Type: <code>dateStartType</code>) and <code>dateEnd</code> (Type: <code>dateEndType</code>). A callout box below the properties states: "The active period of a recurring event or occurrence."</p>						
Type	<code>periodicDateRangeType</code>						
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	<code>dateStart</code> , <code>dateEnd</code>						
Children	<code>dateEnd</code> , <code>dateStart</code>						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element InformationType / graphic

Namespace	http://www.ihc.int/S127/2.0
Diagram	<p>The diagram shows the schema element <code>graphic</code> (Type: <code>graphicType</code>) with five properties: <code>pictorialRepresentation</code> (Type: <code>pictorialRepresentationType</code>), <code>pictureCaption</code> (Type: <code>pictureCaptionType</code>), <code>sourceDate</code> (Type: <code>sourceDateType</code>), <code>pictureInformation</code> (Type: <code>pictureInformationType</code>), and <code>bearingInformation</code> (Type: <code>bearingInformationType</code>). A callout box below the properties states: "Pictorial information such as a photograph, sketch or other graphic, optionally accompanied by descriptive information..."</p>

Type	graphicType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	pictorialRepresentation+, pictureCaption {0,1}, sourceDate {0,1}, pictureInformation {0,1}, bearingInformation {0,1}
Children	bearingInformation, pictorialRepresentation, pictureCaption, pictureInformation, sourceDate
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element InformationType / sourceIndication

Namespace	http://www.ihc.int/S127/2.0
Diagram	<pre> classDiagram class sourceIndication { categoryOfAuthority countryName source sourceType reportedDate 0..> featureName } class sourceIndicationType { categoryOfAuthorityType countryNameType sourceTypeType reportedDateType featureNameType } sourceIndication "0..1" -- "1" sourceIndicationType </pre> <p>The diagram illustrates the structure of the <code>sourceIndication</code> element. It contains five properties: <code>categoryOfAuthority</code>, <code>countryName</code>, <code>source</code>, <code>sourceType</code>, and <code>reportedDate</code>. Additionally, there is a multiplicity of <code>0..></code> for the <code>featureName</code> property. The type for each property is defined in the <code>sourceIndicationType</code> class, which includes <code>categoryOfAuthorityType</code>, <code>countryNameType</code>, <code>sourceTypeType</code>, <code>reportedDateType</code>, and <code>featureNameType</code>. A relationship exists between <code>sourceIndication</code> and <code>sourceIndicationType</code>.</p>
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*
Children	categoryOfAuthority, countryName, featureName, reportedDate, source, sourceType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element AbstractRxNType / categoryOfAuthority

Namespace	http://www.ihc.int/S127/2.0
Diagram	<pre> classDiagram class categoryOfAuthority { AbstractRxN_categoryOfAuthorityType AbstractRxN_categoryOfAuthorityLabel } class AbstractRxN_categoryOfAuthorityType { AbstractRxN_categoryOfAuthorityLabel code } categoryOfAuthority "0..1" -- "1" AbstractRxN_categoryOfAuthorityType </pre> <p>The diagram illustrates the structure of the <code>categoryOfAuthority</code> element. It contains two properties: <code>AbstractRxN_categoryOfAuthorityType</code> and <code>AbstractRxN_categoryOfAuthorityLabel</code>. The <code>AbstractRxN_categoryOfAuthorityType</code> property has an associated attribute <code>code</code>. A relationship exists between <code>categoryOfAuthority</code> and <code>AbstractRxN_categoryOfAuthorityType</code>.</p>
Type	AbstractRxN_categoryOfAuthorityType
Type hierarchy	<ul style="list-style-type: none"> • xs:string • AbstractRxN_categoryOfAuthorityLabel

	<ul style="list-style-type: none"> • AbstractRxN_categoryOfAuthorityType 						
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>AbstractRxN_categoryOfAuthorityCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	AbstractRxN_categoryOfAuthorityCode	required
QName	Type	Use					
code	AbstractRxN_categoryOfAuthorityCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element AbstractRxNType / rxNCode

Namespace	http://www.ihc.int/S127/2.0
Diagram	<pre> classDiagram rxNCodeType < -- categoryOfRxN : Type categoryOfRxNType rxNCodeType < -- actionOrActivity : Type actionOrActivityType rxNCodeType *-- headline : Type headlineType </pre> <p>A summary of the impact of the most common types of regulation, restriction, recommendation and nautical information on...</p>
Type	rxNCodeType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	categoryOfRxN{0,1} , actionOrActivity{0,1} , headline*
Children	actionOrActivity, categoryOfRxN, headline
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element AbstractRxNType / textContent

Namespace	http://www.ihc.int/S127/2.0
Diagram	<pre> classDiagram textContentType < -- categoryOfText : Type textContent_categoryOfTextType textContentType *-- information : Type informationType textContentType < -- onlineResource : Type onlineResourceType textContentType < -- sourceIndication : Type sourceIndicationType </pre> <p>Textual material, or a pointer to a resource providing textual material. May be accompanied by basic information about...</p>
Type	textContentType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	categoryOfText{0,1} , information* , onlineResource{0,1} , sourceIndication*

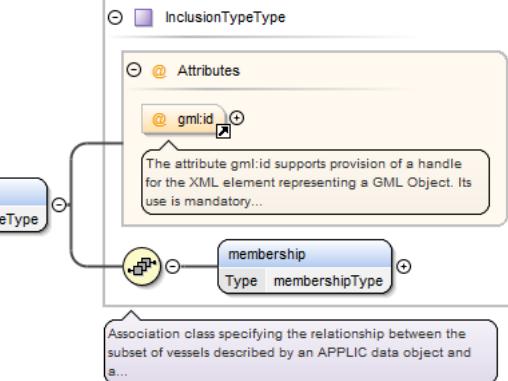
Children	categoryOfText, information, onlineResource, sourceIndication
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element AbstractRxNType / isApplicableTo

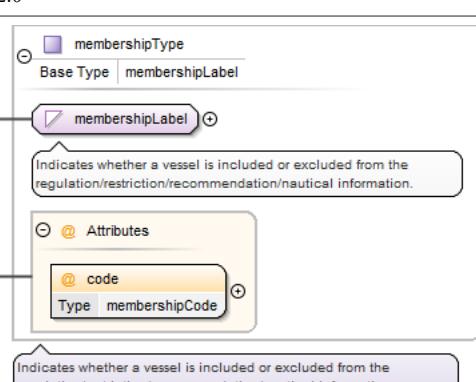
Namespace	http://www.ihc.int/S127/2.0																																																		
Annotations	Applicability[0..*]																																																		
Diagram																																																			
Type	isApplicableToType																																																		
Type hierarchy	<ul style="list-style-type: none"> • gml:ReferenceType • isApplicableToType 																																																		
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																																																		
Children	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																																															
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																																																		

Element isApplicableToType / InclusionType

Namespace	http://www.ihc.int/S127/2.0
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Diagram							
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						
Children	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					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element InclusionTypeType / membership

Namespace	http://www.ihc.int/S127/2.0						
Diagram							
Type	membershipType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • membershipLabel • membershipType 						
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					

Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd
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Element AbstractRxNType / theOrganisation

Namespace	http://www.ihc.int/S127/2.0																																																		
Annotations	Authority[0...*]																																																		
Diagram	<pre> classDiagram class theOrganisation { <<gml:ReferenceType>> Authority[0..*] } class gml { class ReferenceType { <<@ Attributes>> class OwnershipAttributeGroup class AssociationAttributeGroup } } theOrganisation "0..1" --> "1..1" gml::ReferenceType Note over gml::ReferenceType: gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a... </pre>																																																		
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																																																		
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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																																															
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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																																															
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																																																		

Element ApplicabilityType / inBallast

Namespace	http://www.ihc.int/S127/2.0						
Diagram	<pre> classDiagram class inBallast { <<inBallastType>> } class inBallastType { <<Whether the vessel is in ballast.>> } inBallast "0..1" --> "1..1" inBallastType </pre>						
Type	inBallastType						
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						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element ApplicabilityType / categoryOfCargo

Namespace	http://www.oho.int/S127/2.0						
Diagram	<pre> classDiagram class categoryOfCargo { <<Type>> Applicability_categoryOfCargoType } class Applicability_categoryOfCargoType { <<Base Type>> <<Applicability_categoryOfCargoLabel>> Applicability_categoryOfCargoLabel <<Custom enum: Applicability/categoryOfCargo>> <<Attributes>> <<code>> code <<Type>> Applicability_categoryOfCargoCode } categoryOfCargo < -- Applicability_categoryOfCargoType Applicability_categoryOfCargoType < -- Base Type Applicability_categoryOfCargoType < -- Applicability_categoryOfCargoLabel Applicability_categoryOfCargoLabel < -- Custom enum: Applicability/categoryOfCargo Applicability_categoryOfCargoType < -- Attributes Applicability_categoryOfCargoType < -- code Applicability_categoryOfCargoType < -- Type Applicability_categoryOfCargoType < -- Applicability_categoryOfCargoCode </pre> <p>Restricted values of categoryOfCargo in Applicability</p>						
Type	Applicability_categoryOfCargoType						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> Applicability_categoryOfCargoLabel Applicability_categoryOfCargoType 						
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					
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element ApplicabilityType / categoryOfDangerousOrHazardousCargo

Namespace	http://www.oho.int/S127/2.0						
Diagram	<pre> classDiagram class categoryOfDangerousOrHazardousCargo { <<Type>> Applicability_categoryOfDangerousOrHazardousCargoType } class Applicability_categoryOfDangerousOrHazardousCargoType { <<Base Type>> <<Applicability_categoryOfDangerousOrHazardousCargoLabel>> Applicability_categoryOfDangerousOrHazardousCargoLabel <<Custom enum: Applicability/categoryOfDangerousOrHazardousCargo>> <<Attributes>> <<code>> code <<Type>> Applicability_categoryOfDangerousOrHazardousCargoCode } categoryOfDangerousOrHazardousCargo < -- Applicability_categoryOfDangerousOrHazardousCargoType Applicability_categoryOfDangerousOrHazardousCargoType < -- Base Type Applicability_categoryOfDangerousOrHazardousCargoType < -- Applicability_categoryOfDangerousOrHazardousCargoLabel Applicability_categoryOfDangerousOrHazardousCargoLabel < -- Custom enum: Applicability/categoryOfDangerousOrHazardousCargo Applicability_categoryOfDangerousOrHazardousCargoType < -- Attributes Applicability_categoryOfDangerousOrHazardousCargoType < -- code Applicability_categoryOfDangerousOrHazardousCargoType < -- Type Applicability_categoryOfDangerousOrHazardousCargoType < -- Applicability_categoryOfDangerousOrHazardousCargoCode </pre> <p>Restricted values of categoryOfDangerousOrHazardousCargo in Applicability</p>						
Type	Applicability_categoryOfDangerousOrHazardousCargoType						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> Applicability_categoryOfDangerousOrHazardousCargoLabel Applicability_categoryOfDangerousOrHazardousCargoType 						
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					

Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd
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Element **ApplicabilityType / categoryOfVessel**

Namespace	http://www.ihoint/S127/2.0						
Diagram	<pre> classDiagram class categoryOfVessel { <<Type Applicability_categoryOfVesselType>> } class Applicability_categoryOfVesselType { <<Base Type categoryOfVesselLabel_Union>> } class categoryOfVesselLabel_Union { <<Union type for labels corresponding to extra codelist values.>> } class Applicability_categoryOfVesselCode { <<Type Applicability_categoryOfVesselCode>> } categoryOfVessel "0..1" -- "1..1" Applicability_categoryOfVesselType Applicability_categoryOfVesselType "0..1" -- "1..1" categoryOfVesselLabel_Union categoryOfVesselLabel_Union "0..1" -- "1..1" Applicability_categoryOfVesselCode </pre> <p>categoryOfVessel</p> <p>Type Applicability_categoryOfVesselType</p> <p>Applicability_categoryOfVesselType</p> <p>categoryOfVesselLabel_Union</p> <p>Applicability_categoryOfVesselCode</p> <p>Attributes</p> <p>@ code</p> <p>Restricted values of categoryOfVessel in Applicability</p>						
Type	Applicability_categoryOfVesselType						
Type hierarchy	<ul style="list-style-type: none"> xs:anySimpleType <ul style="list-style-type: none"> categoryOfVesselLabel_Union Applicability_categoryOfVesselType 						
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_categoryOfVesselCode</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	code	Applicability_categoryOfVesselCode	optional
QName	Type	Use					
code	Applicability_categoryOfVesselCode	optional					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element **ApplicabilityType / categoryOfVesselRegistry**

Namespace	http://www.ihoint/S127/2.0						
Diagram	<pre> classDiagram class categoryOfVesselRegistry { <<Type Applicability_categoryOfVesselRegistryType>> } class Applicability_categoryOfVesselRegistryType { <<Base Type Applicability_categoryOfVesselRegis ...>> } class Applicability_categoryOfVesselRegistryLabel { <<Custom enum: Applicability/categoryOfVesselRegistry>> } class Applicability_categoryOfVesselRegistryType { <<Type Applicability_categoryOfVesselRegist ...>> } categoryOfVesselRegistry "0..1" -- "1..1" Applicability_categoryOfVesselRegistryType Applicability_categoryOfVesselRegistryType "0..1" -- "1..1" Applicability_categoryOfVesselRegistryLabel Applicability_categoryOfVesselRegistryLabel "0..1" -- "1..1" Applicability_categoryOfVesselRegistryType </pre> <p>categoryOfVesselRegistry</p> <p>Type Applicability_categoryOfVesselRegistryType</p> <p>Applicability_categoryOfVesselRegistryType</p> <p>Applicability_categoryOfVesselRegistryLabel</p> <p>Applicability_categoryOfVesselRegistryType</p> <p>Attributes</p> <p>@ code</p> <p>Restricted values of categoryOfVesselRegistry in Applicability</p>						
Type	Applicability_categoryOfVesselRegistryType						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> Applicability_categoryOfVesselRegistryLabel Applicability_categoryOfVesselRegistryType 						
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	Applicability_categoryOfVesselRegistryCode	required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Element ApplicabilityType / logicalConnectives

Namespace	http://www.oho.int/S127/2.0		
Diagram	<pre> classDiagram class logicalConnectives { <<Type Applicability_logicalConnectivesType>> } class Applicability_logicalConnectivesType { <<Base Type>> <<Applicability_logicalConnectivesLabel>> <<Custom enum: Applicability/logicalConnectives>> <<Attributes>> <<@ code>> <<Type Applicability_logicalConnectivesCode>> } logicalConnectives < -- Applicability_logicalConnectivesType Applicability_logicalConnectivesType "1" --> "1" Applicability_logicalConnectivesLabel Applicability_logicalConnectivesType "1" --> "1" code </pre> <p>Restricted values of logicalConnectives in Applicability</p>		
Type	Applicability_logicalConnectivesType		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • Applicability_logicalConnectivesLabel • Applicability_logicalConnectivesType 		
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>		
Attributes	QName	Type	Use
	code	Applicability_logicalConnectivesCode	required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Element ApplicabilityType / thicknessOfIceCapability

Namespace	http://www.oho.int/S127/2.0		
Diagram	<pre> classDiagram class thicknessOfIceCapability { <<Type thicknessOfIceCapabilityType>> } class thicknessOfIceCapabilityType { <<The thickness of ice that the ship can safely transit.>> } thicknessOfIceCapability < -- thicknessOfIceCapabilityType </pre>		
Type	thicknessOfIceCapabilityType		
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>		
Facets	minExclusive 0		
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Element ApplicabilityType / vesselPerformance

Namespace	http://www.oho.int/S127/2.0
Diagram	<pre> classDiagram class vesselPerformance { <<Type vesselPerformanceType>> } class vesselPerformanceType { <<A description of the required handling characteristics of a vessel including hull design, main and auxiliary machinery,...>> } vesselPerformance < -- vesselPerformanceType </pre>

Type	vesselPerformanceType
Properties	content: simple minOccurs: 0 maxOccurs: 1
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element ApplicabilityType / destination

Namespace	http://www.ihoint/S127/2.0
Diagram	<pre> classDiagram class destination { <<destinationType>> } class destinationType { <<The place or general direction to which a vessel is going or directed.>> } destination < -- destinationType </pre>
Type	destinationType
Properties	content: simple minOccurs: 0 maxOccurs: 1
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element ApplicabilityType / information

Namespace	http://www.ihoint/S127/2.0
Diagram	<pre> classDiagram class information { <<informationType>> } class informationType { <<Textual information about the feature. The information may be provided as a string of text or as a file name of a...>> <<fileLocator>> <<fileReference>> <<headline>> <<language>> <<text>> } information < -- informationType </pre>
Type	informationType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	fileLocator{0,1} , fileReference{0,1} , headline* , language{0,1} , text{0,1}
Children	fileLocator, fileReference, headline, language, text
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element ApplicabilityType / vesselMeasurementsSpecification

Namespace	http://www.ihoint/S127/2.0
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Diagram	<pre> classDiagram class vesselMeasurementsSpecificationType { comparisonOperator vesselsCharacteristics vesselsCharacteristicsValue vesselsCharacteristicsUnit } vesselMeasurementsSpecification < -- vesselMeasurementsSpecificationType note over vesselMeasurementsSpecificationType: Combinations of values of measurable characteristics or dimensions of vessels, used to specify size and tonnage ranges. </pre>						
Type	vesselMeasurementsSpecificationType						
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	comparisonOperator , vesselsCharacteristics , vesselsCharacteristicsValue , vesselsCharacteristicsUnit						
Children	comparisonOperator, vesselsCharacteristics, vesselsCharacteristicsUnit, vesselsCharacteristicsValue						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element ApplicabilityType / theApplicableRxN

Namespace	http://www.ihc.int/S127/2.0						
Annotations	AbstractRxN[0..*]						
Diagram	<pre> classDiagram class theApplicableRxNType { gml:OwnershipAttributeGroup gml:AssociationAttributeGroup } theApplicableRxN < -- theApplicableRxNType note over theApplicableRxNType: The applicable regulation, restriction, recommendation or nautical information theApplicableRxN --> "0..*" AbstractRxN theApplicableRxN --> InclusionType </pre>						
Type	theApplicableRxNType						
Type hierarchy	<ul style="list-style-type: none"> • gml:ReferenceType • theApplicableRxNType 						
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						

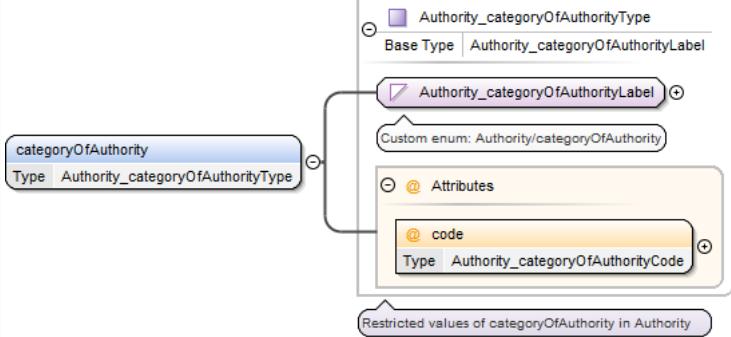
Model	InclusionType					
Children	InclusionType					
Attributes	QName	Type	Fixed	Default	Use	
	nilReason	gml:NilReasonType			optional	
	owns	boolean		false	optional	
	xlink:actuate	xlink:actuateType			optional	
	xlink:arcrole	xlink:arcroleType			optional	
	xlink:href	xlink:hrefType			optional	
	xlink:role	xlink:roleType			optional	
	xlink:show	xlink:showType			optional	
	xlink:title	xlink:titleAttrType			optional	
	xlink:type	xlink:typeType	simple		optional	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd					

Element theApplicableRxNType / InclusionType

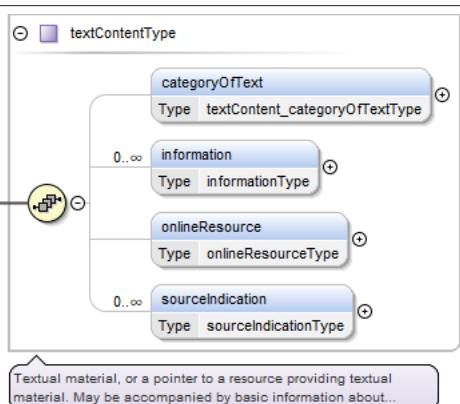
Namespace	http://www.ihc.int/S127/2.0					
Diagram						
Type	InclusionTypeType					
Properties	content: complex minOccurs: 1 maxOccurs: 1					
Model	membership					
Children	membership					
Attributes	QName	Type	Use			
	gml:id	ID	optional			
		The attribute gml:id supports provision of a handle for 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.				
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd					

Element AuthorityType / categoryOfAuthority

Namespace	http://www.ihc.int/S127/2.0
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Diagram									
Type	Authority_categoryOfAuthorityType								
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> Authority_categoryOfAuthorityLabel Authority_categoryOfAuthorityType 								
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>Authority_categoryOfAuthorityCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	Authority_categoryOfAuthorityCode	required		
QName	Type	Use							
code	Authority_categoryOfAuthorityCode	required							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Element AuthorityType / textContent

Namespace	http://www.ihc.int/S127/2.0						
Diagram							
Type	textContentType						
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	categoryOfText{0,1} , information* , onlineResource{0,1} , sourceIndication*						
Children	categoryOfText, information, onlineResource, sourceIndication						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element AuthorityType / theContactDetails

Namespace	http://www.ihc.int/S127/2.0
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Annotations	ContactDetails[0..*]																																																		
Diagram	<p>The diagram shows the 'gml:ReferenceType' element with its annotations. It includes two attribute groups: 'gml:OwnershipAttributeGroup' and 'gml:AssociationAttributeGroup'. 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 third note at the bottom states: 'gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a...'. The 'theContactDetails' element is shown with its type 'gml:ReferenceType' and occurrence 'ContactDetails[0..*]'.</p>																																																		
Type	gml:ReferenceType																																																		
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																																												
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minOccurs:	0																																																		
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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																																															
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																																																		

Element AuthorityType / organisationRelatedRxN

Namespace	http://www.ihc.int/S127/2.0
Annotations	AbstractRxN[0..*]
Diagram	<p>The diagram shows the 'gml:ReferenceType' element with its annotations, identical to the one above for 'ContactDetails'. It includes two attribute groups: 'gml:OwnershipAttributeGroup' and 'gml:AssociationAttributeGroup'. 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 third note at the bottom states: 'gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a...'. The 'organisationRelatedRxN' element is shown with its type 'gml:ReferenceType' and occurrence 'AbstractRxN[0..*]'.</p>

Type	gml:ReferenceType				
Properties	content: complex minOccurs: 0 maxOccurs: unbounded				
Model					
Attributes	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
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd				

Element AuthorityType / theServiceHours

Namespace	http://www.ihc.int/S127/2.0				
Annotations	ServiceHours[0..*]				
Diagram	<p>The diagram shows the UML representation of the gml:ReferenceType element. It is a class with two associations. One association points to a class named 'theServiceHours' with multiplicity 'ServiceHours[0..*]'. The other association points to another class. The class has two attributes: 'gml:OwnershipAttributeGroup' and 'gml:AssociationAttributeGroup'. There are also two notes: one about encoding properties and another about XLink components.</p>				
Type	gml:ReferenceType				
Properties	content: complex minOccurs: 0 maxOccurs: unbounded				
Model					
Attributes	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

	QName	Type	Fixed	Default	Use
	xlink:type	xlink:typeType	simple		optional
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd				

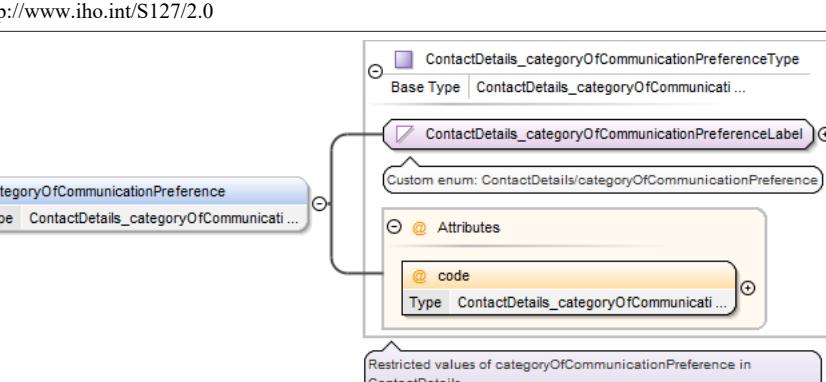
Element ContactDetailsType / callName

Namespace	http://www.oho.int/S127/2.0						
Diagram	<pre> classDiagram class callName { <<Type>> } class callNameType { <<Simple Type>> } callName "0..1" -- "1..1" callNameType callNameType <<The designated call name of a station; for example, radio station, radar station, pilot.>> </pre>						
Type	callNameType						
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						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element ContactDetailsType / callSign

Namespace	http://www.oho.int/S127/2.0						
Diagram	 <pre> classDiagram class callSign { <<Type>> } class callSignType { <<Simple Type>> } callSign "0..1" -- "1..1" callSignType callSignType <<The designated call-sign of a station (radio station, radar station, pilot, ...).>> </pre>						
Type	callSignType						
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						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element ContactDetailsType / categoryOfCommunicationPreference

Namespace	http://www.oho.int/S127/2.0						
Diagram	 <pre> classDiagram class categoryOfCommunicationPreference { <<Type>> } class ContactDetails_categoryOfCommunicationPreferenceType { <<Base Type>> } class ContactDetails_categoryOfCommunicationPreferenceLabel { <<Custom enum: ContactDetails/categoryOfCommunicationPreference>> } class Attributes { <<Attributes>> } class code { <<@ code>> } categoryOfCommunicationPreference "0..1" -- "1..1" ContactDetails_categoryOfCommunicationPreferenceType ContactDetails_categoryOfCommunicationPreferenceType <<Base Type>> ContactDetails_categoryOfCommunicationPreferenceType <<ContactDetails_categoryOfCommunicationPreferenceLabel>> ContactDetails_categoryOfCommunicationPreferenceType <<Attributes>> ContactDetails_categoryOfCommunicationPreferenceType <<code>> ContactDetails_categoryOfCommunicationPreferenceType <<Restricted values of categoryOfCommunicationPreference in ContactDetails>> </pre>						
Type	ContactDetails_categoryOfCommunicationPreferenceType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • ContactDetails_categoryOfCommunicationPreferenceLabel • ContactDetails_categoryOfCommunicationPreferenceType 						
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	ContactDetails_categoryOf-CommunicationPreference-Code	required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Element ContactDetailsType / communicationChannel

Namespace	http://www.oho.int/S127/2.0
Diagram	
Type	communicationChannelType
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element ContactDetailsType / contactInstructions

Namespace	http://www.oho.int/S127/2.0
Diagram	
Type	contactInstructionsType
Properties	content: simple minOccurs: 0 maxOccurs: 1
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element ContactDetailsType / language

Namespace	http://www.oho.int/S127/2.0
Diagram	
Type	languageType
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element ContactDetailsType / mMSICode

Namespace	http://www.oho.int/S127/2.0
Diagram	

Type	mMSICodeType
Properties	content: simple minOccurs: 0 maxOccurs: 1
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

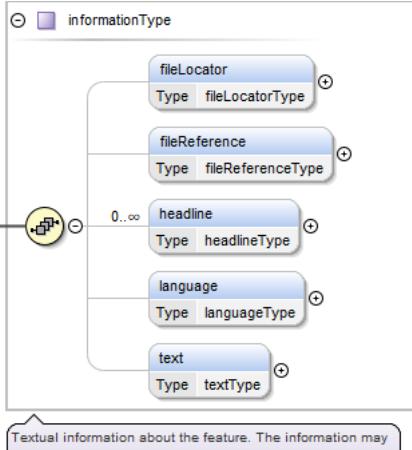
Element ContactDetailsType / contactAddress

Namespace	http://www.ihc.int/S127/2.0
Diagram	<pre> classDiagram class contactAddressType { deliveryPoint : deliveryPointType cityName : cityNameType administrativeDivision : administrativeDivisionType countryName : countryNameType postalCode : postalCodeType } contactAddress < -- contactAddressType </pre>
Type	contactAddressType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	deliveryPoint{0,1} , cityName{0,1} , administrativeDivision{0,1} , countryName{0,1} , postalCode{0,1}
Children	administrativeDivision, cityName, countryName, deliveryPoint, postalCode
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

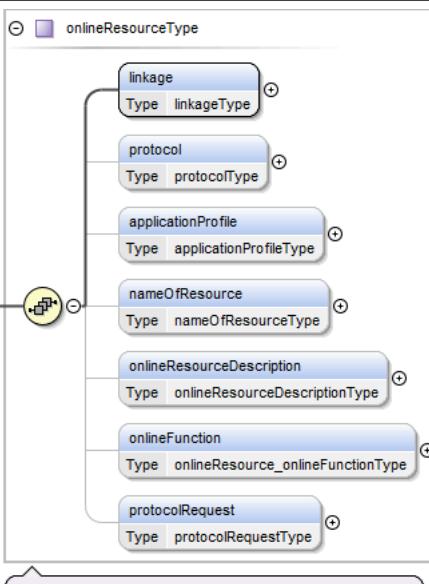
Element ContactDetailsType / frequencyPair

Namespace	http://www.ihc.int/S127/2.0
Diagram	<pre> classDiagram class frequencyPairType { frequencyShoreStationReceives : frequencyShoreStationReceivesType frequencyShoreStationTransmits : frequencyShoreStationTransmitsType } frequencyPair < -- frequencyPairType </pre>
Type	frequencyPairType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	frequencyShoreStationReceives{0,1} , frequencyShoreStationTransmits
Children	frequencyShoreStationReceives, frequencyShoreStationTransmits
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element ContactDetailsType / information

Namespace	http://www.ihc.int/S127/2.0						
Diagram	 <p>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	<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	fileLocator{0,1} , fileReference{0,1} , headline* , language{0,1} , text{0,1}						
Children	fileLocator, fileReference, headline, language, text						
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element ContactDetailsType / onlineResource

Namespace	http://www.ihc.int/S127/2.0						
Diagram	 <p>Information about online sources from which a resource or data can be obtained.</p>						
Type	onlineResourceType						
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	linkage , protocol{0,1} , applicationProfile{0,1} , nameOfResource{0,1} , onlineResourceDescription{0,1} , onlineFunction{0,1} , protocolRequest{0,1}						

Children	applicationProfile, linkage, nameOfResource, onlineFunction, onlineResourceDescription, protocol, protocolRequest
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element ContactDetailsType / telecommunications

Namespace	http://www.ihc.int/S127/2.0						
Diagram	<pre> classDiagram class telecommunications { <<telecommunicationsType>> } class categoryOfCommunicationPreference { <<telecommunications_categoryOfCommunicationPreference>> } class telecommunicationIdentifier { <<telecommunicationIdentifierType>> } class telecommunicationCarrier { <<telecommunicationCarrierType>> } class contactInstructions { <<contactInstructionsType>> } class telecommunicationService { <<telecommunications_telecommunicationService>> } telecommunications < -- categoryOfCommunicationPreference telecommunications < -- telecommunicationIdentifier telecommunications < -- telecommunicationCarrier telecommunications < -- contactInstructions telecommunications *-- telecommunicationService </pre> <p>A means or channel of communicating at a distance by electrical or electromagnetic means such as telegraphy, telephony....</p>						
Type	telecommunicationsType						
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	categoryOfCommunicationPreference{0,1} , telecommunicationIdentifier , telecommunicationCarrier{0,1} , contactInstructions{0,1} , telecommunicationService*						
Children	categoryOfCommunicationPreference, contactInstructions, telecommunicationCarrier, telecommunicationIdentifier, telecommunicationService						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element ContactDetailsType / theAuthority

Namespace	http://www.ihc.int/S127/2.0				
Annotations	Authority[0..*]				
Diagram	<pre> classDiagram class theAuthority { <<gml:ReferenceType>> <<Authority[0..*]>> } class gmlOwnershipAttributeGroup class gmlAssociationAttributeGroup theAuthority < -- gmlOwnershipAttributeGroup theAuthority < -- gmlAssociationAttributeGroup </pre> <p>gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a...</p> <p>Encoding a GML property inline vs. by-reference shall not imply anything about the "ownership" of the contained or...</p>				
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:	unbounded				
Model						
Attributes	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	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd					

Element NonStandardWorkingDayType / dateFixed

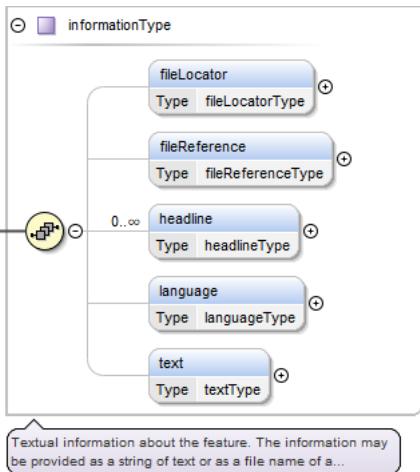
Namespace	http://www.ihc.int/S127/2.0						
Diagram	<p>The diagram illustrates the inheritance of the <code>dateFixedType</code> element. It shows that <code>dateFixed</code> is a type of <code>dateFixedType</code>. The <code>dateFixedType</code> is derived from the <code>S100:S100_TruncatedDate</code> base type, which is identified as an "extension base". Within <code>S100:S100_TruncatedDate</code>, there are six attributes: <code>gDay</code>, <code>gMonth</code>, <code>gYear</code>, <code>gMonthDay</code>, <code>gYearMonth</code>, and <code>date</code>, all with a multiplicity of "+". A note below the diagram states: "built in date types from W3C XML schema, implementing S-100 truncated date". Another note indicates: "The date of an event."</p>						
Type	dateFixedType						
Type hierarchy	<ul style="list-style-type: none"> • S100_TruncatedDate <ul style="list-style-type: none"> • dateFixedType 						
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	<code>gDay gMonth gYear gMonthDay gYearMonth date</code>						
Children	<code>date, gDay, gMonth, gMonthDay, gYear, gYearMonth</code>						
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element NonStandardWorkingDayType / dateVariable

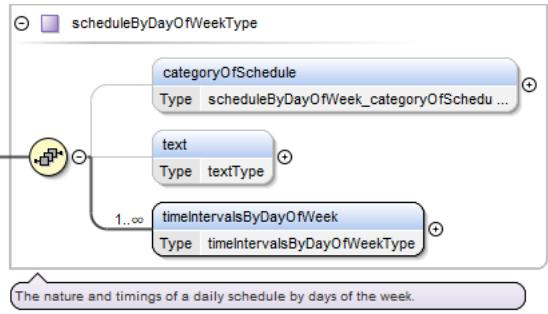
Namespace	http://www.ihc.int/S127/2.0
Diagram	<p>The diagram shows the inheritance of the <code>dateVariableType</code> element. It indicates that <code>dateVariable</code> is a type of <code>dateVariableType</code>. A note below the diagram specifies: "A day which is not fixed in the Gregorian calendar."</p>
Type	dateVariableType

Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element NonStandardWorkingDayType / information

Namespace	http://www.aho.int/S127/2.0
Diagram	 <p>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	content: complex minOccurs: 0 maxOccurs: unbounded
Model	fileLocator{0,1} , fileReference{0,1} , headline* , language{0,1} , text{0,1}
Children	fileLocator, fileReference, headline, language, text
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element ServiceHoursType / scheduleByDayOfWeek

Namespace	http://www.aho.int/S127/2.0
Diagram	 <p>The nature and timings of a daily schedule by days of the week.</p>
Type	scheduleByDayOfWeekType
Properties	content: complex minOccurs: 1 maxOccurs: unbounded
Model	categoryOfSchedule{0,1} , text{0,1} , timeIntervalsByDayOfWeek+
Children	categoryOfSchedule, text, timeIntervalsByDayOfWeek
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element ServiceHoursType / information

Namespace	http://www.ihc.int/S127/2.0						
Diagram							
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}						
Children	fileLocator, fileReference, headline, language, text						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element ServiceHoursType / partialWorkingDay

Namespace	http://www.ihc.int/S127/2.0										
Annotations	NonStandardWorkingDay[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> </tbody> </table>	QName	Type	Fixed	Default	Use	nilReason	gml:NilReasonType			optional
QName	Type	Fixed	Default	Use							
nilReason	gml:NilReasonType			optional							

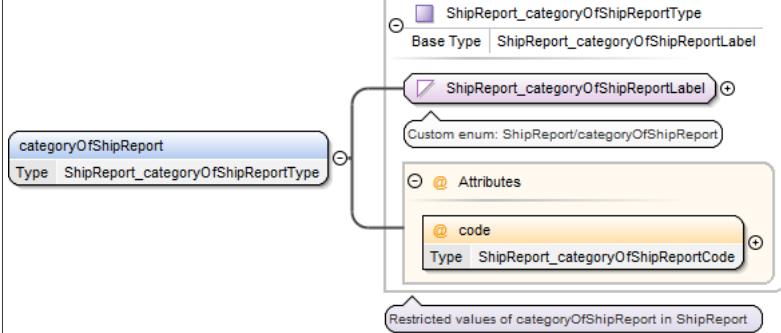
	QName	Type	Fixed	Default	Use	
owns	boolean			false	optional	
xlink:actuate	xlink:actuateType				optional	
xlink:arcrole	xlink:arcroleType				optional	
xlink:href	xlink:hrefType				optional	
xlink:role	xlink:roleType				optional	
xlink:show	xlink:showType				optional	
xlink:title	xlink:titleAttrType				optional	
xlink:type	xlink:typeType	simple			optional	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd					

Element ServiceHoursType / theAuthority_srvHrs

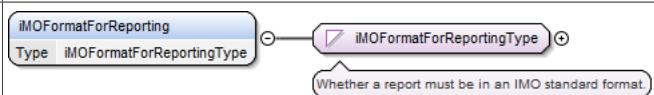
Namespace	http://www.ihoint/S127/2.0																																																																	
Annotations	Authority[0..*]																																																																	
Diagram	<p>The diagram illustrates the relationship between theAuthority_srvHrs and gml:ReferenceType. The Authority[0..*] annotation is shown as an association with gml:ReferenceType. The gml:ReferenceType class contains two attribute groups: gml:OwnershipAttributeGroup and gml:AssociationAttributeGroup. A callout box provides the following information:</p> <ul style="list-style-type: none"> Encoding a GML property inline vs. by-reference shall not imply anything about the "ownership" of the contained or... XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group.... gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a... 																																																																	
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> <th></th> </tr> </thead> <tbody> <tr> <td>nilReason</td><td>gml:NilReasonType</td><td></td><td></td><td></td><td>optional</td></tr> <tr> <td>owns</td><td>boolean</td><td></td><td>false</td><td>optional</td><td></td></tr> <tr> <td>xlink:actuate</td><td>xlink:actuateType</td><td></td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:arcrole</td><td>xlink:arcroleType</td><td></td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:href</td><td>xlink:hrefType</td><td></td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:role</td><td>xlink:roleType</td><td></td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:show</td><td>xlink:showType</td><td></td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:title</td><td>xlink:titleAttrType</td><td></td><td></td><td></td><td>optional</td></tr> <tr> <td>xlink:type</td><td>xlink:typeType</td><td>simple</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	xlink:title	xlink:titleAttrType				optional	xlink:type	xlink:typeType	simple			optional
QName	Type	Fixed	Default	Use																																																														
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xlink:title	xlink:titleAttrType				optional																																																													
xlink:type	xlink:typeType	simple			optional																																																													
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																																																																	

Element ShipReportType / categoryOfShipReport

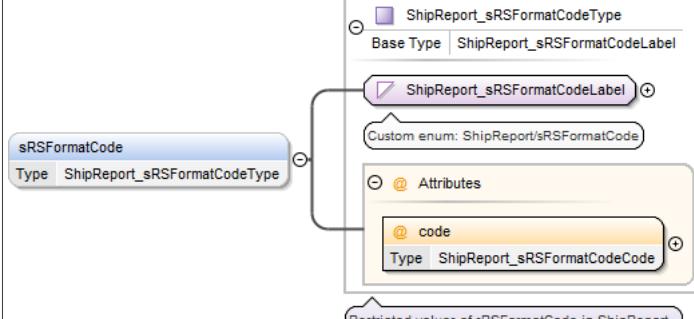
Namespace	http://www.ihoint/S127/2.0					
-----------	----------------------------	--	--	--	--	--

Diagram									
Type	ShipReport_categoryOfShipReportType								
Type hierarchy	<ul style="list-style-type: none"> xs:string ShipReport_categoryOfShipReportLabel ShipReport_categoryOfShipReportType 								
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> <tr> <td>nillable:</td> <td>true</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded	nillable:	true
content:	complex								
minOccurs:	1								
maxOccurs:	unbounded								
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>ShipReport_categoryOfShipReportCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	ShipReport_categoryOfShipReportCode	required		
QName	Type	Use							
code	ShipReport_categoryOfShipReportCode	required							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Element ShipReportType / iMOFormatForReporting

Namespace	http://www.ihc.int/S127/2.0								
Diagram									
Type	iMOFormatForReportingType								
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								
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Element ShipReportType / sRSFormatCode

Namespace	http://www.ihc.int/S127/2.0
Diagram	

Type	ShipReport_sRSFormatCodeType		
Type hierarchy	<ul style="list-style-type: none"> • xs:string • ShipReport_sRSFormatCodeLabel • ShipReport_sRSFormatCodeType 		
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>		
Attributes	QName	Type	Use
	code	ShipReport_sRSFormatCode-Code	required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Element ShipReportType / noticeTime

Namespace	http://www.ihc.int/S127/2.0		
Diagram	<pre> classDiagram class noticeTimeType { noticeTimeHours * "0..oo" noticeTimeText * "0..1" operation * "0..1" } noticeTime < -- noticeTimeType </pre> <p>Span of time, prior to the time the service is needed, for preparations to be made to fulfill the requirement.</p>		
Type	noticeTimeType		
Properties	<p>content: complex</p> <p>minOccurs: 1</p> <p>maxOccurs: unbounded</p>		
Model	noticeTimeHours*, noticeTimeText{0,1}, operation{0,1}		
Children	noticeTimeHours, noticeTimeText, operation		
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Element ShipReportType / textContent

Namespace	http://www.ihc.int/S127/2.0		
Diagram	<pre> classDiagram class textContentType { categoryOfText * "0..oo" information * "0..oo" onlineResource * "0..oo" sourceIndication * "0..oo" } textContent < -- textContentType </pre> <p>Textual material, or a pointer to a resource providing textual material. May be accompanied by basic information about...</p>		
Type	textContentType		
Properties	<p>content: complex</p>		

	minOccurs:	0
	maxOccurs:	1
Model	categoryOfText{0,1} , information* , onlineResource{0,1} , sourceIndication*	
Children	categoryOfText, information, onlineResource, sourceIndication	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Element **ShipReportType / mustBeFiledBy**

Namespace	http://www.ihc.int/S127/2.0																																																		
Annotations	Applicability[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																																												
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Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																																																		

Element **ShipReportType / reportTo**

Namespace	http://www.ihc.int/S127/2.0
Annotations	Authority[0..*]

Diagram	<p>The diagram shows the UML class <code>gml:ReferenceType</code>. It has two attributes: <code>gml:OwnershipAttributeGroup</code> and <code>gml:AssociationAttributeGroup</code>. There is also a relationship named <code>reportTo</code> with type <code>gml:ReferenceType</code> and multiplicity <code>Authority[0..*]</code>.</p>																																																		
Type	<code>gml:ReferenceType</code>																																																		
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																																												
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Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																																																		

Element `SpatialQualityType / qualityOfHorizontalMeasurement`

Namespace	<code>http://www.ihc.int/S127/2.0</code>
Diagram	<p>The diagram shows the UML class <code>SpatialQuality_qualityOfHorizontalMeasurementType</code>. It has an attribute <code>@ code</code> of type <code>SpatialQuality_qualityOfHorizontalMe ...</code>. There is also a relationship named <code>qualityOfHorizontalMeasurement</code> with type <code>SpatialQuality_qualityOfHorizontalMe ...</code>.</p>
Type	<code>SpatialQuality_qualityOfHorizontalMeasurementType</code>
Type hierarchy	<ul style="list-style-type: none"> • <code>xs:string</code> <ul style="list-style-type: none"> • <code>SpatialQuality_qualityOfHorizontalMeasurementLabel</code> • <code>SpatialQuality_qualityOfHorizontalMeasurementType</code>
Properties	content: complex

	minOccurs:	0		
	maxOccurs:	1		
Attributes	QName	Type	Use	
	code	SpatialQuality_qualityOfHorizontalMeasurementCode	required	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd			

Element **SpatialQualityType / spatialAccuracy**

Namespace	http://www.ihc.int/S127/2.0						
Diagram	<pre> classDiagram class spatialAccuracyType { fixedDateRange horizontalPositionUncertainty } spatialAccuracy < -- spatialAccuracyType fixedDateRange < -- fixedDateRangeType horizontalPositionUncertainty < -- horizontalPositionUncertaintyType spatialAccuracyType < -- spatialAccuracy </pre>						
Type	spatialAccuracyType						
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	fixedDateRange{0,1} , horizontalPositionUncertainty{0,1}						
Children	fixedDateRange, horizontalPositionUncertainty						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element **FeatureType / fixedDateRange**

Namespace	http://www.ihc.int/S127/2.0						
Diagram	<pre> classDiagram class fixedDateRangeType { dateStart dateEnd } fixedDateRange < -- fixedDateRangeType dateStart < -- dateStartType dateEnd < -- dateEndType fixedDateRangeType < -- fixedDateRange </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}						
Children	dateEnd, dateStart						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element **FeatureType / periodicDateRange**

Namespace	http://www.ihc.int/S127/2.0
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Diagram	
Type	periodicDateRangeType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	dateStart , dateEnd
Children	dateEnd, dateStart
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element FeatureTypeType / featureName

Namespace	http://www.ihc.int/S127/2.0
Diagram	
Type	featureNameType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	language , name , nameUsage{0,1}
Children	language, name, nameUsage
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element FeatureTypeType / sourceIndication

Namespace	http://www.ihc.int/S127/2.0
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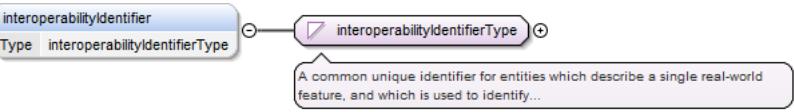
Diagram	<pre> classDiagram class sourceIndicationType { categoryOfAuthority : sourceIndication_categoryOfAuthorityType countryName : countryNameType source : sourceType sourceType : sourceIndication_sourceTypeType reportedDate : reportedDateType <<0..oo>> featureName : featureNameType } sourceIndicationType < -- sourceIndication sourceIndication < -- sourceIndicationType </pre>						
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;">1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	categoryOfAuthority{0,1} , countryName{0,1} , source{0,1} , sourceType{0,1} , reportedDate{0,1} , featureName*						
Children	categoryOfAuthority, countryName, featureName, reportedDate, source, sourceType						
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element FeatureType / textContent

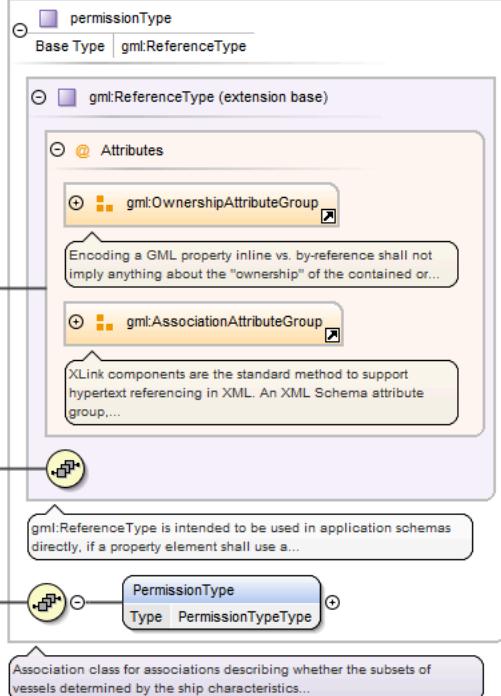
Namespace	http://www.ihc.int/S127/2.0						
Diagram	<pre> classDiagram class textContentType { categoryOfText : textContent_categoryOfTextType <<0..oo>> information : informationType <<0..oo>> onlineResource : onlineResourceType <<0..oo>> sourceIndication : sourceIndicationType } textContentType < -- textContent </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;">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*						
Children	categoryOfText, information, onlineResource, sourceIndication						
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element FeatureType / interoperabilityIdentifier

Namespace	http://www.ihc.int/S127/2.0
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Diagram	
Type	interoperabilityIdentifierType
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element FeatureType / permission

Namespace	http://www.ihc.int/S127/2.0																																								
Annotations	Applicability[0..*]																																								
Diagram																																									
Type	permissionType																																								
Type hierarchy	<ul style="list-style-type: none"> • gml:ReferenceType • permissionType 																																								
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>																																								
Model	PermissionType																																								
Children	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> </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
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xlink:show	xlink:showType			optional																																					

	QName	Type	Fixed	Default	Use
	xlink:title	xlink:titleAttrType			optional
	xlink:type	xlink:typeType	simple		optional
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd				

Element permissionType / PermissionType

Namespace	http://www.ihoint/S127/2.0						
Diagram	<pre> classDiagram class PermissionTypeType { <<PermissionType>> <<Type>> <<PermissionTypeType>> @gml:id categoryOfRelationship } class PermissionType { <<Type>> <<PermissionTypeType>> } class categoryOfRelationship { <<Type>> <<categoryOfRelationshipType>> } PermissionType < -- PermissionTypeType PermissionTypeType "1" -- "1" categoryOfRelationship </pre>						
Type	PermissionTypeType						
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	categoryOfRelationship						
Children	categoryOfRelationship						
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					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element PermissionTypeType / categoryOfRelationship

Namespace	http://www.ihoint/S127/2.0
Diagram	<pre> classDiagram class categoryOfRelationshipType { <<categoryOfRelationshipLabel>> <<Base Type>> <<categoryOfRelationshipType>> @code } class categoryOfRelationship { <<categoryOfRelationshipType>> <<Type>> } class categoryOfRelationshipLabel { <<Type>> } categoryOfRelationship < -- categoryOfRelationshipType </pre>
Type	categoryOfRelationshipType
Type hierarchy	<ul style="list-style-type: none"> • xs:string

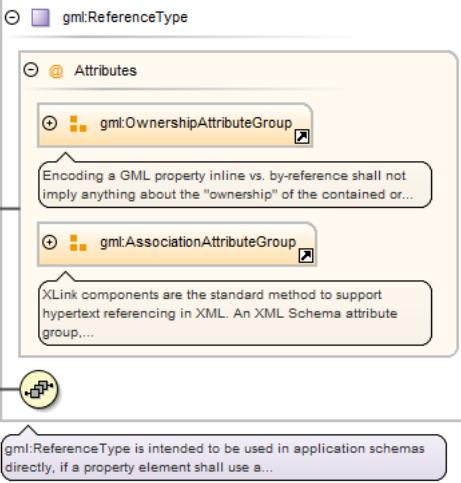
	<ul style="list-style-type: none"> categoryOfRelationshipLabel categoryOfRelationshipType 						
Properties	content: complex minOccurs: 1 maxOccurs: 1						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>categoryOfRelationshipCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	categoryOfRelationshipCode	required
QName	Type	Use					
code	categoryOfRelationshipCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element FeatureType / theRxN

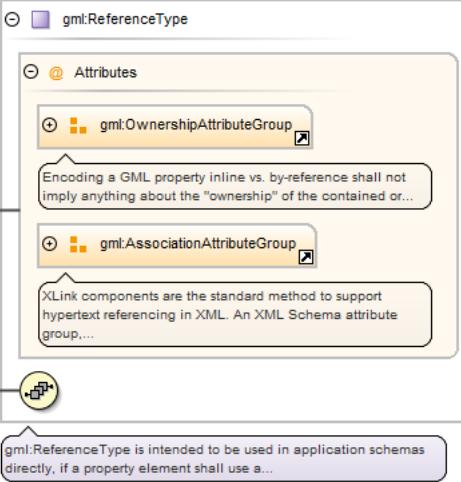
Namespace	http://www.ihc.int/S127/2.0																																																		
Annotations	AbstractRxN[0..*]																																																		
Diagram																																																			
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QName	Type	Fixed	Default	Use																																															
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xlink:show	xlink:showType			optional																																															
xlink:title	xlink:titleAttrType			optional																																															
xlink:type	xlink:typeType	simple		optional																																															
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																																																		

Element FeatureType / theInformation

Namespace	http://www.ihc.int/S127/2.0
Annotations	NauticalInformation[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																																												
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xlink:show	xlink:showType			optional																																															
xlink:title	xlink:titleAttrType			optional																																															
xlink:type	xlink:typeType	simple		optional																																															
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																																																		

Element FeatureType / theCartographicText

Namespace	http://www.ihc.int/S127/2.0
Annotations	TextPlacement [0..1]
Diagram	
Type	gml:ReferenceType

Properties	content: complex minOccurs: 0 maxOccurs: 1				
Model					
Attributes	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
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd				

Element OrganizationContactAreaType / theContactDetails

Namespace	http://www.ihc.int/S127/2.0				
Annotations	ContactDetails[0..*]				
Diagram	<p>The diagram shows theContactDetails as a class with a multiplicity of [0..*]. It has two associations: one to gml:OwnershipAttributeGroup and another to gml:AssociationAttributeGroup. There are also three annotations: one for each association, and one for the class itself.</p>				
Type	gml:ReferenceType				
Properties	content:	complex			
	minOccurs:	0			
	maxOccurs:	unbounded			
Model					
Attributes	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

Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd
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Element SupervisedAreaType / controlAuthority

Namespace	http://www.ihoint/S127/2.0																																																		
Annotations	Authority[0..1]																																																		
Diagram	<p>The diagram illustrates the structure of the <code>gml:ReferenceType</code> element. It shows a main box for <code>gml:ReferenceType</code> containing an <code>Attributes</code> section with two groups: <code>gml:OwnershipAttributeGroup</code> and <code>gml:AssociationAttributeGroup</code>. A callout box provides a note about encoding GML properties inline vs. by-reference. Another callout box explains that <code>XLink</code> components are used for hypertext referencing. A third callout box states that <code>gml:ReferenceType</code> is intended for application schemas.</p>																																																		
Type	<code>gml:ReferenceType</code>																																																		
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																																												
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Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																																																		

Element ReportableServiceAreaType / reptForTrafficServ

Namespace	http://www.ihoint/S127/2.0
Annotations	<code>ShipReport[0..*]</code>

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																																												
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QName	Type	Fixed	Default	Use																																															
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owns	boolean		false	optional																																															
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xlink:title	xlink:titleAttrType			optional																																															
xlink:type	xlink:typeType	simple		optional																																															
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																																																		

Element CautionAreaType / condition

Namespace	http://www.ihc.int/S127/2.0
Diagram	
Type	CautionArea_conditionType
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • CautionArea_conditionLabel • CautionArea_conditionType
Properties	content: complex

	minOccurs:	0	
	maxOccurs:	1	
Attributes	QName	Type	Use
	code	CautionArea_conditionCode	required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Element CautionAreaType / status

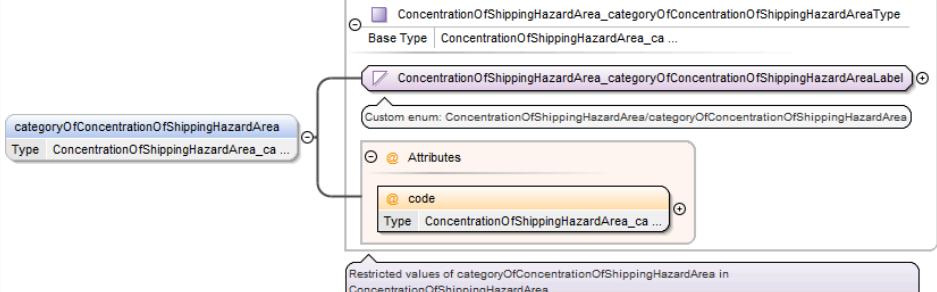
Namespace	http://www.ihc.int/S127/2.0						
Diagram	<pre> classDiagram CautionAreaStatusLabel < -- CautionArea_statusType : Base Type CautionAreaStatusLabel < -- CautionAreaStatusLabel CautionAreaStatusLabel < -- Custom enum: CautionArea/status CautionAreaStatusLabel < -- Attributes CautionAreaStatusLabel < -- code : CautionArea_statusCode CautionAreaStatusLabel < -- status : CautionArea_statusType CautionAreaStatusLabel --> Restricted values of status in CautionArea </pre>						
Type	CautionArea_statusType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • CautionAreaStatusLabel • CautionArea_statusType 						
Properties	content: complex minOccurs: 0 maxOccurs: 1						
Attributes	<table border="1"> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> <tr> <td>code</td> <td>CautionArea_statusCode</td> <td>required</td> </tr> </table>	QName	Type	Use	code	CautionArea_statusCode	required
QName	Type	Use					
code	CautionArea_statusCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element CautionAreaType / geometry

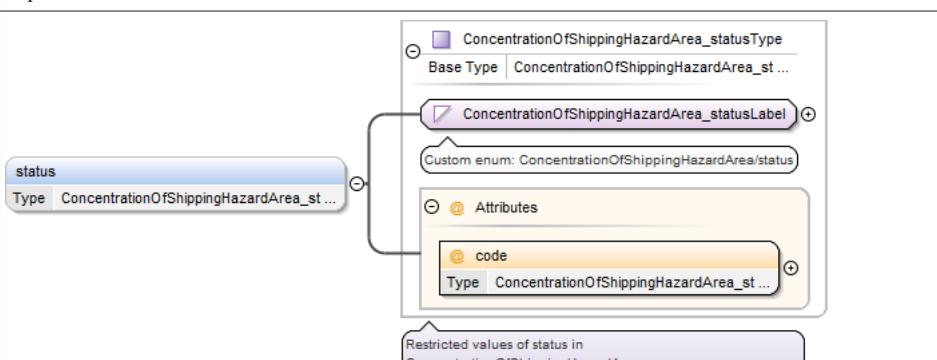
Namespace	http://www.ihc.int/S127/2.0
Diagram	<pre> classDiagram geometry < -- S100:pointProperty geometry < -- S100:surfaceProperty </pre>
Properties	content: complex maxOccurs: unbounded
Model	pointProperty surfaceProperty
Children	pointProperty, surfaceProperty
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element ConcentrationOfShippingHazardAreaType / categoryOfConcentrationOfShippingHazardArea

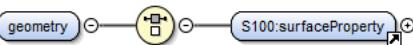
Namespace	http://www.ihc.int/S127/2.0
-----------	-----------------------------

Diagram							
Type	ConcentrationOfShippingHazardArea_categoryOfConcentrationOfShippingHazardAreaType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • ConcentrationOfShippingHazardArea_categoryOfConcentrationOfShippingHazardAreaLabel • ConcentrationOfShippingHazardArea_categoryOfConcentrationOfShippingHazardAreaType 						
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>ConcentrationOfShippingHazardArea_categoryOfConcentrationOfShippingHazardAreaCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	ConcentrationOfShippingHazardArea_categoryOfConcentrationOfShippingHazardAreaCode	required
QName	Type	Use					
code	ConcentrationOfShippingHazardArea_categoryOfConcentrationOfShippingHazardAreaCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

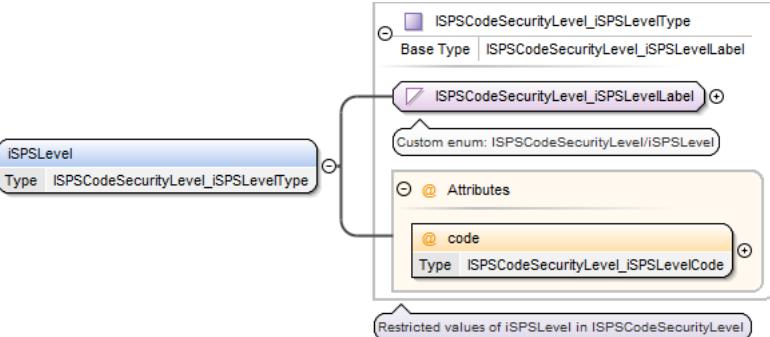
Element ConcentrationOfShippingHazardAreaType / status

Namespace	http://www.ihc.int/S127/2.0						
Diagram							
Type	ConcentrationOfShippingHazardArea_statusType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • ConcentrationOfShippingHazardAreaStatusLabel • ConcentrationOfShippingHazardArea_statusType 						
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>ConcentrationOfShippingHazardArea_statusCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	ConcentrationOfShippingHazardArea_statusCode	required
QName	Type	Use					
code	ConcentrationOfShippingHazardArea_statusCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

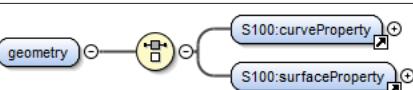
Element ConcentrationOfShippingHazardAreaType / geometry

Namespace	http://www.oho.int/S127/2.0
Diagram	
Properties	content: complex maxOccurs: unbounded
Model	surfaceProperty
Children	surfaceProperty
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element ISPSCodeSecurityLevelType / iSPSLevel

Namespace	http://www.oho.int/S127/2.0						
Diagram							
Type	ISPSCodeSecurityLevel_iSPSLevelType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • ISPSCodeSecurityLevel_iSPSLevelLabel • ISPSCodeSecurityLevel_iSPSLevelType 						
Properties	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>ISPSCodeSecurityLevel_iSPSLevelCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	ISPSCodeSecurityLevel_iSPSLevelCode	required
QName	Type	Use					
code	ISPSCodeSecurityLevel_iSPSLevelCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element ISPSCodeSecurityLevelType / geometry

Namespace	http://www.oho.int/S127/2.0
Diagram	
Properties	content: complex maxOccurs: unbounded
Model	curveProperty surfaceProperty
Children	curveProperty, surfaceProperty
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element LocalPortBroadcastServiceAreaType / serviceAccessProcedure

Namespace	http://www.ihc.int/S127/2.0						
Diagram	<pre> graph LR A[serviceAccessProcedure] --> B[serviceAccessProcedureType] B --> C[A description of the procedure to access the marine service.] </pre>						
Type	serviceAccessProcedureType						
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						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element LocalPortBroadcastServiceAreaType / requirementsForMaintenanceOfListeningWatch

Namespace	http://www.ihc.int/S127/2.0								
Diagram	<pre> graph LR A[requirementsForMaintenanceOfListeningWatch] --> B[requirementsForMaintenanceOfListeningWatchType] B --> C[Something needed to ensure constant acoustic monitoring.] </pre>								
Type	requirementsForMaintenanceOfListeningWatchType								
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								
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Element LocalPortBroadcastServiceAreaType / consistsOf

Namespace	http://www.ihc.int/S127/2.0										
Annotations	RadioCallingInPoint RadarRange SignalStationWarning SignalStationTraffic[0..*]										
Diagram	<pre> graph LR A[consistsOf] --> B[gml:ReferenceType] B --> C[gml:OwnershipAttributeGroup] B --> D[gml:AssociationAttributeGroup] B --> E[gml:XLinkComponents] C --> F[Encoding a GML property inline vs. by-reference shall not imply anything about the "ownership" of the contained or...] D --> G[XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group...] E --> H[gml:ReferenceType intended to be used in application schemas directly, if a property element shall use a...] </pre>										
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										
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maxOccurs:	unbounded										
Model											
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QName	Type	Fixed	Default	Use							
nilReason	gml:NilReasonType			optional							

	QName	Type	Fixed	Default	Use	
	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	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd					

Element LocalPortBroadcastServiceAreaType / geometry

Namespace	http://www.ihc.int/S127/2.0
Diagram	
Properties	content: complex maxOccurs: unbounded
Model	surfaceProperty
Children	surfaceProperty
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element MilitaryPracticeAreaType / categoryOfMilitaryPracticeArea

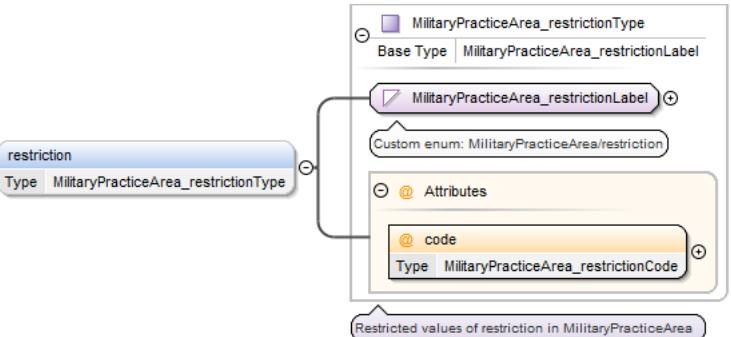
Namespace	http://www.ihc.int/S127/2.0						
Diagram							
Type	MilitaryPracticeArea_categoryOfMilitaryPracticeAreaType						
Type hierarchy	<ul style="list-style-type: none"> xs:string MilitaryPracticeArea_categoryOfMilitaryPracticeAreaLabel MilitaryPracticeArea_categoryOfMilitaryPracticeAreaType 						
Properties	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>MilitaryPracticeArea_categoryOfMilitaryPracticeAreaCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	MilitaryPracticeArea_categoryOfMilitaryPracticeAreaCode	required
QName	Type	Use					
code	MilitaryPracticeArea_categoryOfMilitaryPracticeAreaCode	required					
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element MilitaryPracticeAreaType / nationality

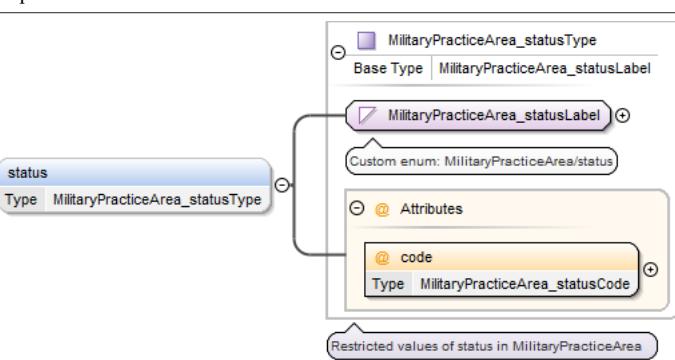
Namespace	http://www.ihc.int/S127/2.0
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Diagram							
Type	nationalityType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element MilitaryPracticeAreaType / restriction

Namespace	http://www.aho.int/S127/2.0						
Diagram							
Type	MilitaryPracticeArea_restrictionType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • MilitaryPracticeArea_restrictionLabel • MilitaryPracticeArea_restrictionType 						
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>MilitaryPracticeArea_restrictionCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	MilitaryPracticeArea_restrictionCode	required
QName	Type	Use					
code	MilitaryPracticeArea_restrictionCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element MilitaryPracticeAreaType / status

Namespace	http://www.aho.int/S127/2.0
Diagram	
Type	MilitaryPracticeArea_statusType
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • MilitaryPracticeAreaStatusLabel

	<ul style="list-style-type: none"> • MilitaryPracticeArea_statusType 						
Properties	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>MilitaryPracticeArea_statusCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	MilitaryPracticeArea_statusCode	required
QName	Type	Use					
code	MilitaryPracticeArea_statusCode	required					
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element MilitaryPracticeAreaType / theServiceHours

Namespace	http://www.ihoint/S127/2.0																																																		
Annotations	ServiceHours[0..1]																																																		
Diagram																																																			
Type	gml:ReferenceType																																																		
Properties	content: complex minOccurs: 0 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																																															
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																																																		

Element MilitaryPracticeAreaType / geometry

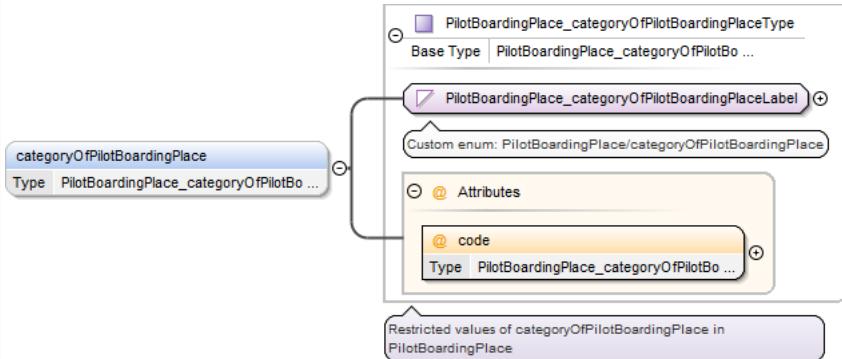
Namespace	http://www.ihoint/S127/2.0
Diagram	

Properties	content: complex maxOccurs: unbounded
Model	pointProperty surfaceProperty
Children	pointProperty, surfaceProperty
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element PilotBoardingPlaceType / callSign

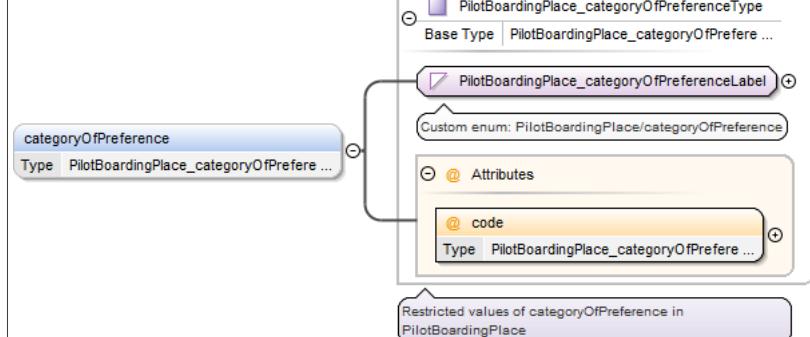
Namespace	http://www.ihoint/S127/2.0
Diagram	 <pre> classDiagram class callSign { <<callSignType>> } callSign < -- callSignType callSignType <<The designated call-sign of a station (radio station, radar station, pilot, ...).>> </pre>
Type	callSignType
Properties	content: simple minOccurs: 0 maxOccurs: 1
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element PilotBoardingPlaceType / categoryOfPilotBoardingPlace

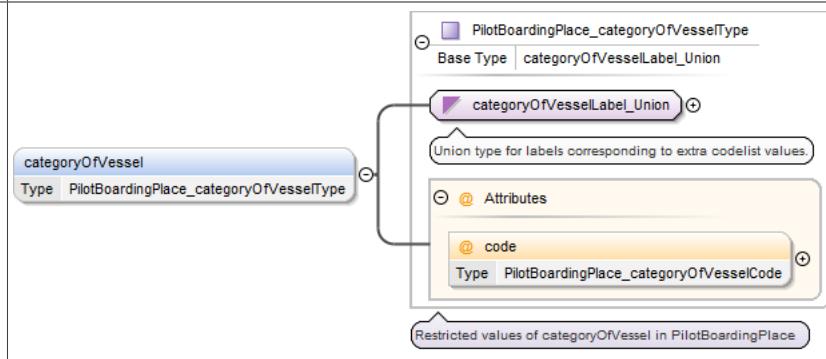
Namespace	http://www.ihoint/S127/2.0						
Diagram	 <pre> classDiagram class categoryOfPilotBoardingPlace { <<PilotBoardingPlace_categoryOfPilotBoardingPlaceType>> <<Base Type PilotBoardingPlace_categoryOfPilotBo ...>> <<PilotBoardingPlace_categoryOfPilotBoardingPlaceLabel>> <<Custom enum: PilotBoardingPlace/categoryOfPilotBoardingPlace>> <<Attributes>> <<@ code <<xs:string>> <<PilotBoardingPlace_categoryOfPilotBo ...>> <<@ categoryOfPilotBoardingPlaceLabel <<Custom enum: PilotBoardingPlace/categoryOfPilotBoardingPlace>> <<Attributes>> <<@ code <<xs:string>> <<PilotBoardingPlace_categoryOfPilotBo ...>> } categoryOfPilotBoardingPlace < -- PilotBoardingPlace_categoryOfPilotBoardingPlaceType categoryOfPilotBoardingPlace < -- PilotBoardingPlace_categoryOfPilotBoardingPlaceLabel categoryOfPilotBoardingPlace < -- Attributes categoryOfPilotBoardingPlace < -- code code < -- xs:string code < -- PilotBoardingPlace_categoryOfPilotBoardingPlaceType code < -- PilotBoardingPlace_categoryOfPilotBoardingPlaceLabel code < -- Attributes code < -- categoryOfPilotBoardingPlaceLabel categoryOfPilotBoardingPlaceLabel < -- Custom enum: PilotBoardingPlace/categoryOfPilotBoardingPlace categoryOfPilotBoardingPlaceLabel < -- Attributes categoryOfPilotBoardingPlaceLabel < -- code code < -- xs:string code < -- PilotBoardingPlace_categoryOfPilotBoardingPlaceType code < -- PilotBoardingPlace_categoryOfPilotBoardingPlaceLabel code < -- Attributes </pre> <p>Restricted values of categoryOfPilotBoardingPlace in PilotBoardingPlace</p>						
Type	PilotBoardingPlace_categoryOfPilotBoardingPlaceType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • PilotBoardingPlace_categoryOfPilotBoardingPlaceLabel • PilotBoardingPlace_categoryOfPilotBoardingPlaceType 						
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>PilotBoardingPlace_categoryOfPilotBoardingPlaceCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	PilotBoardingPlace_categoryOfPilotBoardingPlaceCode	required
QName	Type	Use					
code	PilotBoardingPlace_categoryOfPilotBoardingPlaceCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element PilotBoardingPlaceType / categoryOfPreference

Namespace	http://www.ihoint/S127/2.0
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Diagram							
Type	PilotBoardingPlace_categoryOfPreferenceType						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> PilotBoardingPlace_categoryOfPreferenceLabel PilotBoardingPlace_categoryOfPreferenceType 						
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>PilotBoardingPlace_category-OfPreferenceCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	PilotBoardingPlace_category-OfPreferenceCode	required
QName	Type	Use					
code	PilotBoardingPlace_category-OfPreferenceCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element PilotBoardingPlaceType / categoryOfVessel

Namespace	http://www.ihc.int/S127/2.0						
Diagram							
Type	PilotBoardingPlace_categoryOfVesselType						
Type hierarchy	<ul style="list-style-type: none"> xs:anySimpleType <ul style="list-style-type: none"> categoryOfVesselLabel_Union PilotBoardingPlace_categoryOfVesselType 						
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>PilotBoardingPlace_category-OfVesselCode</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	code	PilotBoardingPlace_category-OfVesselCode	optional
QName	Type	Use					
code	PilotBoardingPlace_category-OfVesselCode	optional					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element PilotBoardingPlaceType / communicationChannel

Namespace	http://www.ihc.int/S127/2.0
Diagram	
Type	communicationChannelType
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element PilotBoardingPlaceType / destination

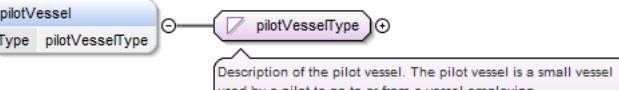
Namespace	http://www.ihc.int/S127/2.0
Diagram	
Type	destinationType
Properties	content: simple minOccurs: 0 maxOccurs: 1
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element PilotBoardingPlaceType / pilotMovement

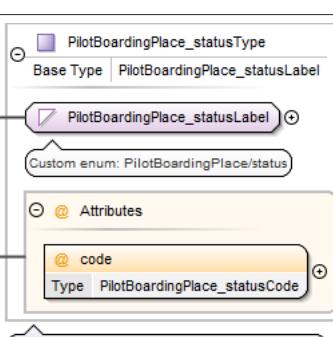
Namespace	http://www.ihc.int/S127/2.0						
Diagram							
Type	PilotBoardingPlace_pilotMovementType						
Type hierarchy	<ul style="list-style-type: none"> xs:string PilotBoardingPlace_pilotMovementLabel PilotBoardingPlace_pilotMovementType 						
Properties	content: complex minOccurs: 0 maxOccurs: 1						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>PilotBoardingPlace_pilotMovementCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	PilotBoardingPlace_pilotMovementCode	required
QName	Type	Use					
code	PilotBoardingPlace_pilotMovementCode	required					

Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd
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Element PilotBoardingPlaceType / pilotVessel

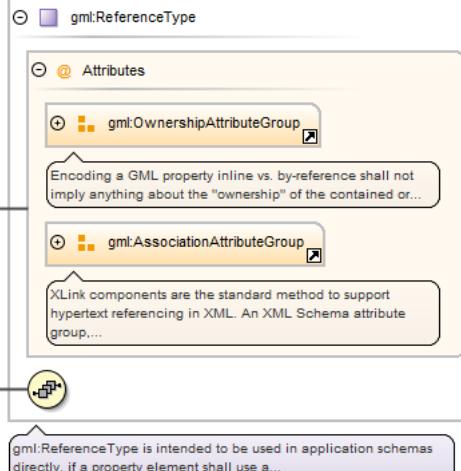
Namespace	http://www.ihoint/S127/2.0						
Diagram							
Type	pilotVesselType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element PilotBoardingPlaceType / status

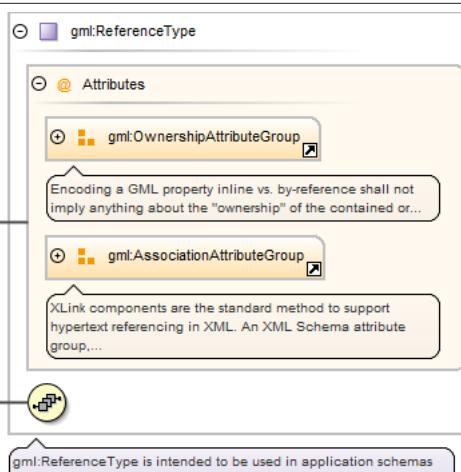
Namespace	http://www.ihoint/S127/2.0						
Diagram							
Type	PilotBoardingPlace_statusType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • PilotBoardingPlaceStatusLabel • PilotBoardingPlace_statusType 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </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>PilotBoardingPlace_statusCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	PilotBoardingPlace_statusCode	required
QName	Type	Use					
code	PilotBoardingPlace_statusCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element PilotBoardingPlaceType / theCollection

Namespace	http://www.ihoint/S127/2.0
Annotations	PilotageDistrict[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> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1																																												
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minOccurs:	0																																																		
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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																																															
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																																																		

Element PilotBoardingPlaceType / serviceProvider

Namespace	http://www.ihc.int/S127/2.0
Annotations	PilotService[0..*]
Diagram	
Type	gml:ReferenceType

Properties	content: complex minOccurs: 0 maxOccurs: unbounded					
Model						
Attributes						
QName	Type	Fixed	Default	Use		
	nilReason				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		
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd					

Element PilotBoardingPlaceType / geometry

Namespace	http://www.ihc.int/S127/2.0
Diagram	
Properties	content: complex maxOccurs: unbounded
Model	pointProperty surfaceProperty
Children	pointProperty, surfaceProperty
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element PilotServiceType / categoryOfPilot

Namespace	http://www.ihc.int/S127/2.0
Diagram	
Type	PilotService_categoryOfPilotType
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • PilotService_categoryOfPilotLabel • PilotService_categoryOfPilotType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded

Attributes	QName	Type	Use	
	code	PilotService_categoryOfPilotCode	required	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd			

Element PilotServiceType / pilotQualification

Namespace	http://www.oho.int/S127/2.0			
Diagram	<pre> classDiagram class PilotService_pilotQualificationType { <<PilotService_pilotQualificationLabel>> <<code>> } class PilotService_pilotQualificationLabel { <<Custom enum: PilotService/pilotQualification>> } class code { <<PilotService_pilotQualificationCode>> } PilotService_pilotQualificationType "0..1" o--> PilotService_pilotQualificationLabel PilotService_pilotQualificationLabel "0..1" o--> code code "0..1" o--> PilotService_pilotQualificationType note over code: Restricted values of pilotQualification in PilotService </pre>			
Type	PilotService_pilotQualificationType			
Type hierarchy	<ul style="list-style-type: none"> xs:string PilotService_pilotQualificationLabel PilotService_pilotQualificationType 			
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>			
Attributes	QName	Type	Use	
	code	PilotService_pilotQualificationCode	required	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd			

Element PilotServiceType / pilotRequest

Namespace	http://www.oho.int/S127/2.0			
Diagram	<pre> classDiagram class pilotRequest { <<pilotRequestType>> } class pilotRequestType { <<Description of the pilot request procedure.>> } pilotRequest "0..1" o--> pilotRequestType </pre>			
Type	pilotRequestType			
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>			
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd			

Element PilotServiceType / remotePilot

Namespace	http://www.oho.int/S127/2.0			
Diagram	<pre> classDiagram class remotePilot { <<remotePilotType>> } class remotePilotType { <<Indication as to whether pilotage is available remotely from shore or other location remote from the vessel requiring...>> } remotePilot "0..1" o--> remotePilotType </pre>			

Type	remotePilotType
Properties	content: simple minOccurs: 1 maxOccurs: 1 nillable: true
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element PilotServiceType / noticeTime

Namespace	http://www.ihc.int/S127/2.0
Diagram	<pre> classDiagram class noticeTimeType { noticeTimeHours <--> noticeTimeHoursType noticeTimeText <--> noticeTimeTextType operation <--> noticeTime_operationType } noticeTime <--> noticeTimeType </pre> <p>Span of time, prior to the time the service is needed, for preparations to be made to fulfill the requirement.</p>
Type	noticeTimeType
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	noticeTimeHours*, noticeTimeText{0,1}, operation{0,1}
Children	noticeTimeHours, noticeTimeText, operation
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element PilotServiceType / theServiceHours

Namespace	http://www.ihc.int/S127/2.0
Annotations	ServiceHours[0..1]
Diagram	<pre> classDiagram class gml:ReferenceType { gml:OwnershipAttributeGroup gml:AssociationAttributeGroup } theServiceHours <--> gml:ReferenceType </pre> <p>Encoding a GML property inline vs. by-reference shall not imply anything about the "ownership" of the contained or...</p> <p>XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,...</p> <p>gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a...</p>
Type	gml:ReferenceType
Properties	content: complex minOccurs: 0 maxOccurs: 1

Model					
Attributes	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
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd				

Element PilotServiceType / serviceArea

Namespace	http://www.ihc.int/S127/2.0				
Annotations	PilotageDistrict[0..1] PilotBoardingPlace[0..*]				
Diagram	<p>The diagram shows the UML class gml:ReferenceType. It has two associations: one to serviceArea (Type gml:ReferenceType) with multiplicity PilotageDistrict[0..1] and PilotBoardingPlace[0..*]; and another to a group of attribute groups (gml:OwnershipAttributeGroup and gml:AssociationAttributeGroup). Callouts provide additional context: 'Encoding a GML property inline vs. by-reference shall not imply anything about the "ownership" of the contained or...' for the ownership group, 'XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group...' for the association group, and 'gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a...' for the overall type.</p>				
Type	gml:ReferenceType				
Properties	content: complex minOccurs: 0 maxOccurs: unbounded				
Model					
Attributes	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
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd				

Element PilotServiceType / geometry

Namespace	http://www.ihc.int/S127/2.0
Diagram	
Properties	<p>content: complex</p> <p>maxOccurs: unbounded</p>
Model	surfaceProperty
Children	surfaceProperty
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element PilotageDistrictType / communicationChannel

Namespace	http://www.ihc.int/S127/2.0
Diagram	
Type	communicationChannelType
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element PilotageDistrictType / theComponent

Namespace	http://www.ihc.int/S127/2.0										
Annotations	PilotBoardingPlace[0..*]										
Diagram											
Type	gml:ReferenceType										
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>										
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> </tbody> </table>	QName	Type	Fixed	Default	Use	nilReason	gml:nilReasonType			optional
QName	Type	Fixed	Default	Use							
nilReason	gml:nilReasonType			optional							

	QName	Type	Fixed	Default	Use	
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	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd					

Element PilotageDistrictType / serviceProvider

Namespace	http://www.ihoint/S127/2.0																																																																	
Annotations	PilotService[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																																																						
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Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																																																																	

Element PilotageDistrictType / geometry

Namespace	http://www.ihoint/S127/2.0					
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Diagram	
Properties	<p>content: complex</p> <p>maxOccurs: unbounded</p>
Model	surfaceProperty
Children	surfaceProperty
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element PiracyRiskAreaType / restriction

Namespace	http://www.ihoint/S127/2.0						
Diagram							
Type	PiracyRiskArea_restrictionType						
Type hierarchy	<ul style="list-style-type: none"> xs:string PiracyRiskArea_restrictionLabel PiracyRiskArea_restrictionType 						
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>PiracyRiskArea_restrictionCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	PiracyRiskArea_restrictionCode	required
QName	Type	Use					
code	PiracyRiskArea_restrictionCode	required					
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element PiracyRiskAreaType / status

Namespace	http://www.ihoint/S127/2.0
Diagram	
Type	PiracyRiskArea_statusType
Type hierarchy	<ul style="list-style-type: none"> xs:string PiracyRiskAreaStatusLabel
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

	<ul style="list-style-type: none"> PiracyRiskArea_statusType 						
Properties	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>PiracyRiskArea_statusCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	PiracyRiskArea_statusCode	required
QName	Type	Use					
code	PiracyRiskArea_statusCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element PiracyRiskAreaType / geometry

Namespace	http://www.ihoint/S127/2.0
Diagram	
Properties	content: complex maxOccurs: unbounded
Model	pointProperty surfaceProperty
Children	pointProperty, surfaceProperty
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element PlaceOfRefugeType / communicationChannel

Namespace	http://www.ihoint/S127/2.0
Diagram	
Type	communicationChannelType
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element PlaceOfRefugeType / status

Namespace	http://www.ihoint/S127/2.0
Diagram	
Type	PlaceOfRefuge_statusType
Type hierarchy	<ul style="list-style-type: none"> xs:string

	<ul style="list-style-type: none"> • PlaceOfRefugeStatusLabel • PlaceOfRefuge_statusType 						
Properties	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>PlaceOfRefuge_statusCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	PlaceOfRefuge_statusCode	required
QName	Type	Use					
code	PlaceOfRefuge_statusCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element PlaceOfRefugeType / geometry

Namespace	http://www.ihc.int/S127/2.0
Diagram	<pre> classDiagram geometry < -- S100:pointProperty geometry < -- S100:surfaceProperty </pre>
Properties	content: complex maxOccurs: unbounded
Model	pointProperty surfaceProperty
Children	pointProperty, surfaceProperty
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element RadarRangeType / communicationChannel

Namespace	http://www.ihc.int/S127/2.0
Diagram	<pre> classDiagram communicationChannel < -- communicationChannelType communicationChannelType --> Note: A channel number assigned to a specific radio frequency, frequencies or frequency band. </pre>
Type	communicationChannelType
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element RadarRangeType / status

Namespace	http://www.ihc.int/S127/2.0
Diagram	<pre> classDiagram status < -- RadarRange_statusType RadarRange_statusType --> Note: Restricted values of status in RadarRange RadarRange_statusType --> RadarRangeStatusLabel RadarRange_statusType --> Note: Custom enum: RadarRange/status RadarRange_statusType --> code </pre>
Type	RadarRange_statusType

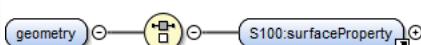
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • RadarRangeStatusLabel • RadarRange_statusType 						
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>RadarRange_statusCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	RadarRange_statusCode	required
QName	Type	Use					
code	RadarRange_statusCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element RadarRangeType / componentOf

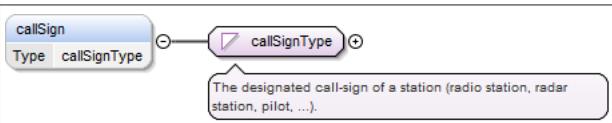
Namespace	http://www.ihc.int/S127/2.0																																																		
Annotations	VesselTrafficServiceArea LocalPortBroadcastServiceArea ShipReportingServiceArea[0..1]																																																		
Diagram																																																			
Type	gml:ReferenceType																																																		
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>																																																		
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Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																																																		

Element RadarRangeType / geometry

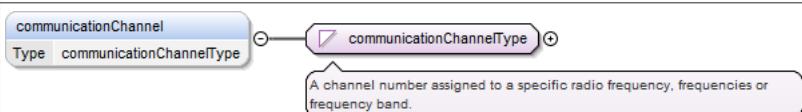
Namespace	http://www.ihc.int/S127/2.0
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Diagram	
Properties	<p>content: complex</p> <p>maxOccurs: unbounded</p>
Model	surfaceProperty
Children	surfaceProperty
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

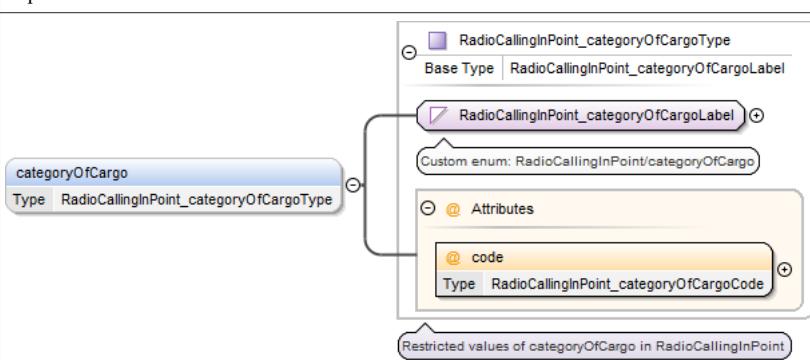
Element RadioCallingInPointType / callSign

Namespace	http://www.ihc.int/S127/2.0
Diagram	
Type	callSignType
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element RadioCallingInPointType / communicationChannel

Namespace	http://www.ihc.int/S127/2.0
Diagram	
Type	communicationChannelType
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element RadioCallingInPointType / categoryOfCargo

Namespace	http://www.ihc.int/S127/2.0
Diagram	
Type	RadioCallingInPoint_categoryOfCargoType
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • RadioCallingInPoint_categoryOfCargoLabel

	<ul style="list-style-type: none"> RadioCallingInPoint_categoryOfCargoType 						
Properties	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>RadioCallingInPoint_categoryOfCargoCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	RadioCallingInPoint_categoryOfCargoCode	required
QName	Type	Use					
code	RadioCallingInPoint_categoryOfCargoCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element RadioCallingInPointType / categoryOfVessel

Namespace	http://www.ihc.int/S127/2.0						
Diagram	<pre> classDiagram class RadioCallingInPoint_categoryOfVesselType { <<Base Type>> <<categoryOfVesselLabel_Union>> } class categoryOfVesselLabel_Union { <<Union type for labels corresponding to extra codelist values.>> <<@ Attributes>> attribute @ code { <<Type RadioCallingInPoint_categoryOfVesselCode>> } } note over RadioCallingInPoint_categoryOfVesselType, categoryOfVesselLabel_Union, code { <<Restricted values of categoryOfVessel in RadioCallingInPoint>> } </pre>						
Type	RadioCallingInPoint_categoryOfVesselType						
Type hierarchy	<ul style="list-style-type: none"> xs:anySimpleType categoryOfVesselLabel_Union RadioCallingInPoint_categoryOfVesselType 						
Properties	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>RadioCallingInPoint_categoryOfVesselCode</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	code	RadioCallingInPoint_categoryOfVesselCode	optional
QName	Type	Use					
code	RadioCallingInPoint_categoryOfVesselCode	optional					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element RadioCallingInPointType / orientationValue

Namespace	http://www.ihc.int/S127/2.0
Diagram	<pre> classDiagram class orientationValueType { <<The angular distance measured from true north to the major axis of the feature.>> } class orientationValue { <<Type orientationValueType>> } </pre>
Type	orientationValueType
Properties	content: simple minOccurs: 0 maxOccurs: 2
Facets	maxInclusive 360.0 minInclusive 0.0
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element RadioCallingInPointType / status

Namespace	http://www.oho.int/S127/2.0						
Diagram	<pre> classDiagram class RadioCallingInPoint_statusType { <<Base Type>> RadioCallingInPointStatusLabel <<Custom enum:>> RadioCallingInPoint/status <<Attributes>> @code RadioCallingInPoint_statusCode } note Restricted values of status in RadioCallingInPoint </pre>						
Type	RadioCallingInPoint_statusType						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> RadioCallingInPointStatusLabel RadioCallingInPoint_statusType 						
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>RadioCallingInPoint_statusCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	RadioCallingInPoint_statusCode	required
QName	Type	Use					
code	RadioCallingInPoint_statusCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element RadioCallingInPointType / trafficFlow

Namespace	http://www.oho.int/S127/2.0								
Diagram	<pre> classDiagram class RadioCallingInPoint_trafficFlowType { <<Base Type>> RadioCallingInPoint_trafficFlowLabel <<Custom enum:>> RadioCallingInPoint/trafficFlow <<Attributes>> @code RadioCallingInPoint_trafficFlowCode } note Restricted values of trafficFlow in RadioCallingInPoint </pre>								
Type	RadioCallingInPoint_trafficFlowType								
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> RadioCallingInPoint_trafficFlowLabel RadioCallingInPoint_trafficFlowType 								
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> <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>RadioCallingInPoint_trafficFlowCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	RadioCallingInPoint_trafficFlowCode	required		
QName	Type	Use							
code	RadioCallingInPoint_trafficFlowCode	required							

Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd
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Element RadioCallingInPointType / componentOf

Namespace	http://www.ihc.int/S127/2.0																																																		
Annotations	VesselTrafficServiceArea LocalPortBroadcastServiceArea ShipReportingServiceArea[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> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1																																												
content:	complex																																																		
minOccurs:	0																																																		
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																																															
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																																																		

Element RadioCallingInPointType / geometry

Namespace	http://www.ihc.int/S127/2.0				
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	pointProperty curveProperty				
Children	curveProperty, pointProperty				
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd				

Element RestrictedAreaType / categoryOfRestrictedArea

Namespace	http://www.aho.int/S127/2.0						
Diagram	<pre> classDiagram class RestrictedArea_categoryOfRestrictedAreaType { <<Base Type>> RestrictedArea_categoryOfRestrictedAreaLabel code } RestrictedArea_categoryOfRestrictedAreaLabel "Custom enum: RestrictedArea/categoryOfRestrictedArea" code "xs:string" note Restricted values of categoryOfRestrictedArea in RestrictedArea </pre>						
Type	RestrictedArea_categoryOfRestrictedAreaType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • RestrictedArea_categoryOfRestrictedAreaLabel • RestrictedArea_categoryOfRestrictedAreaType 						
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_categoryOfRestrictedAreaCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	RestrictedArea_categoryOfRestrictedAreaCode	required
QName	Type	Use					
code	RestrictedArea_categoryOfRestrictedAreaCode	required					
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element RestrictedAreaType / restriction

Namespace	http://www.aho.int/S127/2.0								
Diagram	<pre> classDiagram class RestrictedArea_restrictionType { <<Base Type>> RestrictedArea_restrictionLabel code } RestrictedArea_restrictionLabel "Custom enum: RestrictedArea/restriction" code "xs:string" note Restricted values of restriction in RestrictedArea </pre>								
Type	RestrictedArea_restrictionType								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • RestrictedArea_restrictionLabel • RestrictedArea_restrictionType 								
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> <tr> <td>nillable:</td> <td>true</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded	nillable:	true
content:	complex								
minOccurs:	1								
maxOccurs:	unbounded								
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>RestrictedArea_restrictionCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	RestrictedArea_restrictionCode	required		
QName	Type	Use							
code	RestrictedArea_restrictionCode	required							

Schema location file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element RestrictedAreaType / status

Namespace	http://www.ihc.int/S127/2.0						
Diagram	<pre> classDiagram class RestrictedArea_statusType { <<Base Type>> RestrictedAreaStatusLabel } class RestrictedAreaStatusLabel { <<Custom enum: RestrictedArea/status>> } class RestrictedArea_statusCode { <<@ code>> <<Type RestrictedArea_statusCode>> } RestrictedArea_statusType "0..1" -- "1..1" RestrictedAreaStatusLabel RestrictedAreaStatusLabel "*" -- "1..1" RestrictedArea_statusCode note over RestrictedAreaStatusLabel, RestrictedArea_statusCode: Restricted values of status in RestrictedArea </pre>						
Type	RestrictedArea_statusType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • RestrictedAreaStatusLabel • RestrictedArea_statusType 						
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>						
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					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element RestrictedAreaType / geometry

Namespace	http://www.ihc.int/S127/2.0
Diagram	
Properties	<p>content: complex</p> <hr/> <p>maxOccurs: unbounded</p>
Model	surfaceProperty
Children	surfaceProperty
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element RouteingMeasureType / categoryOfRouteingMeasure

Namespace	http://www.ihc.int/S127/2.0
Diagram	<pre> classDiagram class categoryOfRouteingMeasure { <<RouteingMeasure_categoryOfRouteingMeasureType>> <<RouteingMeasure_categoryOfRouteingMeasureLabel>> <<Custom enum: RouteingMeasure/categoryOfRouteingMeasure>> @Attributes @code } categoryOfRouteingMeasure < -- RouteingMeasure_categoryOfRouteingMeasureType categoryOfRouteingMeasure < -- RouteingMeasure_categoryOfRouteingMeasureLabel categoryOfRouteingMeasure < -- Custom enum: RouteingMeasure/categoryOfRouteingMeasure categoryOfRouteingMeasure < -- Attributes categoryOfRouteingMeasure < -- code </pre> <p>Restricted values of categoryOfRouteingMeasure in RouteingMeasure</p>

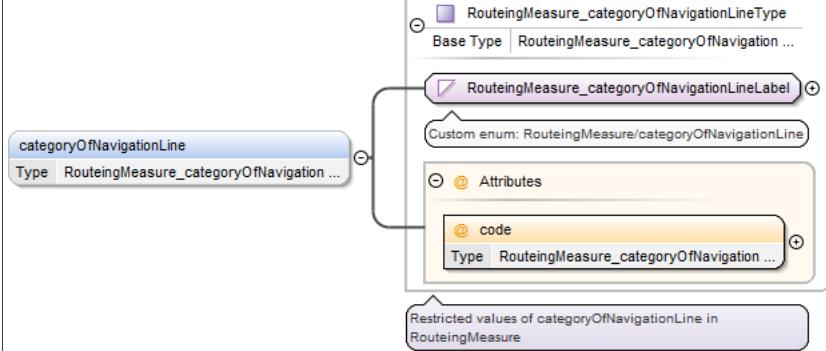
Type	RouteingMeasure_categoryOfRouteingMeasureType								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • RouteingMeasure_categoryOfRouteingMeasureLabel • RouteingMeasure_categoryOfRouteingMeasureType 								
Properties	content: complex minOccurs: 1 maxOccurs: 1 nillable: true								
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>RouteingMeasure_categoryOfRouteingMeasureCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	RouteingMeasure_categoryOfRouteingMeasureCode	required		
QName	Type	Use							
code	RouteingMeasure_categoryOfRouteingMeasureCode	required							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Element RouteingMeasureType / categoryOfTrafficSeparationScheme

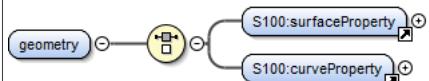
Namespace	http://www.oho.int/S127/2.0								
Diagram	<pre> classDiagram class RouteingMeasure_categoryOfTrafficSeparationSchemeType { <<Base Type>> <<RouteingMeasure_categoryOfTrafficSep ...>> } class RouteingMeasure_categoryOfTrafficSeparationSchemeLabel { <<Custom enum: RouteingMeasure/categoryOfTrafficSeparationScheme>> } class Attributes { <<@ Attributes>> } class code { <<@ code>> <<Type RouteingMeasure_categoryOfTrafficSep ...>> } Note over code: Restricted values of categoryOfTrafficSeparationScheme in RouteingMeasure </pre>								
Type	RouteingMeasure_categoryOfTrafficSeparationSchemeType								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • RouteingMeasure_categoryOfTrafficSeparationSchemeLabel • RouteingMeasure_categoryOfTrafficSeparationSchemeType 								
Properties	content: complex minOccurs: 0 maxOccurs: 1								
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>RouteingMeasure_categoryOfTrafficSeparationSchemeCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	RouteingMeasure_categoryOfTrafficSeparationSchemeCode	required		
QName	Type	Use							
code	RouteingMeasure_categoryOfTrafficSeparationSchemeCode	required							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Element RouteingMeasureType / categoryOfNavigationLine

Namespace	http://www.oho.int/S127/2.0
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Diagram							
Type	RouteingMeasure_categoryOfNavigationLineType						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> RouteingMeasure_categoryOfNavigationLineLabel RouteingMeasure_categoryOfNavigationLineType 						
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>RouteingMeasure_categoryOfNavigationLineCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	RouteingMeasure_categoryOfNavigationLineCode	required
QName	Type	Use					
code	RouteingMeasure_categoryOfNavigationLineCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element RouteingMeasureType / geometry

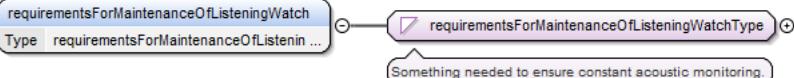
Namespace	http://www.ihc.int/S127/2.0				
Diagram					
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	maxOccurs:	unbounded
content:	complex				
maxOccurs:	unbounded				
Model	surfaceProperty curveProperty				
Children	curveProperty, surfaceProperty				
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd				

Element ShipReportingServiceAreaType / serviceAccessProcedure

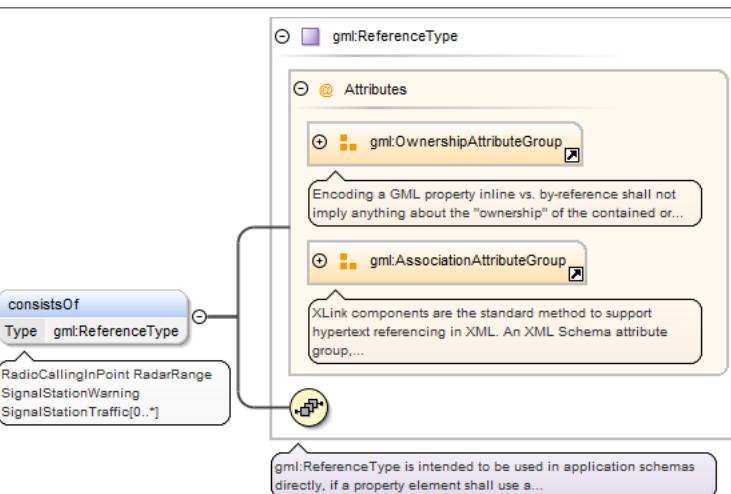
Namespace	http://www.ihc.int/S127/2.0						
Diagram							
Type	serviceAccessProcedureType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element ShipReportingServiceAreaType / requirementsForMaintenanceOfListeningWatch

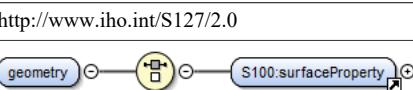
Namespace	http://www.ihc.int/S127/2.0
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Diagram									
Type	requirementsForMaintenanceOfListeningWatchType								
Properties	<table border="1"> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</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								
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Element **ShipReportingServiceAreaType / consistsOf**

Namespace	http://www.ihc.int/S127/2.0																																																		
Annotations	RadioCallingInPoint RadarRange SignalStationWarning SignalStationTraffic[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																																															
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																																																		

Element **ShipReportingServiceAreaType / geometry**

Namespace	http://www.ihc.int/S127/2.0
Diagram	

Properties	content: complex maxOccurs: unbounded
Model	surfaceProperty
Children	surfaceProperty
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element SignalStationWarningType / categoryOfSignalStationWarning

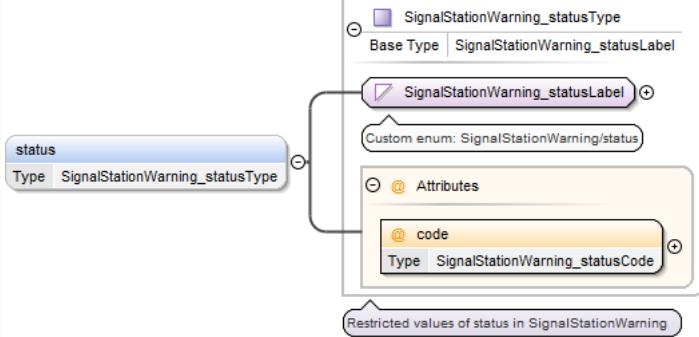
Namespace	http://www.oho.int/S127/2.0						
Diagram	<pre> classDiagram class categoryOfSignalStationWarning { <<Type>> <<SignalStationWarning_categoryOfSignalStationWarning ...>> } class SignalStationWarning_categoryOfSignalStationWarningType { <<Base Type>> <<SignalStationWarning_categoryOfSignalStationWarningLabel>> <<Custom enum: SignalStationWarning/categoryOfSignalStationWarning>> <<Attributes>> <<code>> <<Type>> } categoryOfSignalStationWarning "0..1" -- "1" SignalStationWarning_categoryOfSignalStationWarningType SignalStationWarning_categoryOfSignalStationWarningType "*" -- "1" SignalStationWarning_label Note over categoryOfSignalStationWarning: Restricted values of categoryOfSignalStationWarning in SignalStationWarning </pre>						
Type	SignalStationWarning_categoryOfSignalStationWarningType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • SignalStationWarning_categoryOfSignalStationWarningLabel • SignalStationWarning_categoryOfSignalStationWarningType 						
Properties	content: complex minOccurs: 1 maxOccurs: unbounded 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>SignalStationWarning_categoryOfSignalStationWarningCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	SignalStationWarning_categoryOfSignalStationWarningCode	required
QName	Type	Use					
code	SignalStationWarning_categoryOfSignalStationWarningCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element SignalStationWarningType / communicationChannel

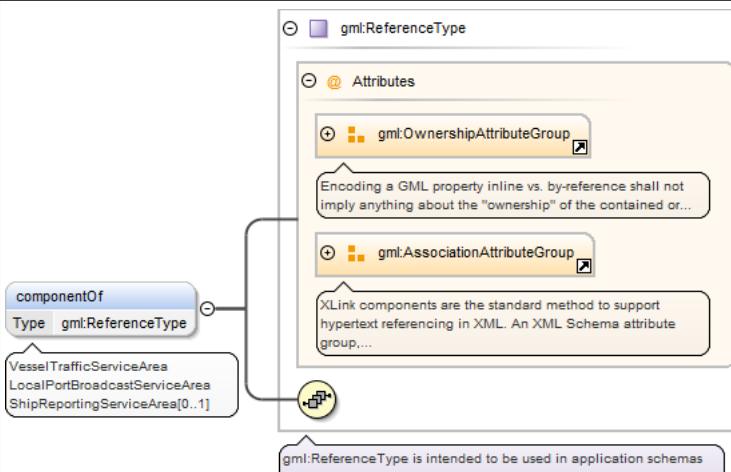
Namespace	http://www.oho.int/S127/2.0
Diagram	<pre> classDiagram class communicationChannel { <<Type>> <<communicationChannelType>> } class communicationChannelType { <<Base Type>> } communicationChannel "0..1" -- "1" communicationChannelType Note over communicationChannel: A channel number assigned to a specific radio frequency, frequencies or frequency band. </pre>
Type	communicationChannelType
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element SignalStationWarningType / status

Namespace	http://www.oho.int/S127/2.0
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Diagram							
Type	SignalStationWarning_statusType						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> SignalStationWarningStatusLabel SignalStationWarning_statusType 						
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>SignalStationWarning_statusCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	SignalStationWarning_statusCode	required
QName	Type	Use					
code	SignalStationWarning_statusCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element SignalStationWarningType / componentOf

Namespace	http://www.ihc.int/S127/2.0																				
Annotations	VesselTrafficServiceArea LocalPortBroadcastServiceArea ShipReportingServiceArea[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> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1														
content:	complex																				
minOccurs:	0																				
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> </tbody> </table>	QName	Type	Fixed	Default	Use	nilReason	gml:nilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional
QName	Type	Fixed	Default	Use																	
nilReason	gml:nilReasonType			optional																	
owns	boolean		false	optional																	
xlink:actuate	xlink:actuateType			optional																	

	QName	Type	Fixed	Default	Use	
	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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd					

Element SignalStationWarningType / geometry

Namespace	http://www.oho.int/S127/2.0
Diagram	
Properties	content: complex maxOccurs: unbounded
Model	pointProperty surfaceProperty
Children	pointProperty, surfaceProperty
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element SignalStationTrafficType / categoryOfSignalStationTraffic

Namespace	http://www.oho.int/S127/2.0						
Diagram							
Type	SignalStationTraffic_categoryOfSignalStationTrafficType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • SignalStationTraffic_categoryOfSignalStationTrafficLabel • SignalStationTraffic_categoryOfSignalStationTrafficType 						
Properties	content: complex minOccurs: 1 maxOccurs: unbounded 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>SignalStationTraffic_categoryOfSignalStationTrafficCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	SignalStationTraffic_categoryOfSignalStationTrafficCode	required
QName	Type	Use					
code	SignalStationTraffic_categoryOfSignalStationTrafficCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element SignalStationTrafficType / communicationChannel

Namespace	http://www.oho.int/S127/2.0
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Diagram	
Type	communicationChannelType
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element SignalStationTrafficType / status

Namespace	http://www.ihoint/S127/2.0						
Diagram							
Type	SignalStationTraffic_statusType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • SignalStationTrafficStatusLabel • SignalStationTraffic_statusType 						
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>SignalStationTraffic_statusCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	SignalStationTraffic_statusCode	required
QName	Type	Use					
code	SignalStationTraffic_statusCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element SignalStationTrafficType / componentOf

Namespace	http://www.ihoint/S127/2.0
Annotations	VesselTrafficServiceArea LocalPortBroadcastServiceArea ShipReportingServiceArea[0..1]

Diagram	<p>The diagram shows the schema element <code>gml:ReferenceType</code>. It has two attributes: <code>gml:OwnershipAttributeGroup</code> and <code>gml:AssociationAttributeGroup</code>. A relationship labeled <code>componentOf</code> connects it to three types: <code>VesselTrafficServiceArea</code>, <code>LocalPortBroadcastServiceArea</code>, and <code>ShipReportingServiceArea[0..1]</code>.</p>																																																		
Type	<code>gml:ReferenceType</code>																																																		
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																																												
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minOccurs:	0																																																		
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><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																																															
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																																																		

Element `SignalStationTrafficType / geometry`

Namespace	<code>http://www.ihoint/S127/2.0</code>				
Diagram	<p>The diagram shows the schema element <code>geometry</code>. It has two components: <code>S100:pointProperty</code> and <code>S100:surfaceProperty</code>.</p>				
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	<code>pointProperty surfaceProperty</code>				
Children	<code>pointProperty, surfaceProperty</code>				
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd				

Element `UnderKeelClearanceAllowanceAreaType / underKeelAllowance`

Namespace	<code>http://www.ihoint/S127/2.0</code>
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Diagram	<pre> classDiagram class underKeelAllowanceType { underKeelAllowanceFixed underKeelAllowanceVariableBeamBased underKeelAllowanceVariableDraughtBased operation } underKeelAllowanceType < -- underKeelAllowance underKeelAllowance < -- underKeelAllowanceType </pre>						
Type	underKeelAllowanceType						
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	underKeelAllowanceFixed{0,1} , underKeelAllowanceVariableBeamBased{0,1} , underKeelAllowanceVariableDraught-Based{0,1} , operation{0,1}						
Children	operation, underKeelAllowanceFixed, underKeelAllowanceVariableBeamBased, underKeelAllowanceVariableDraughtBased						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element UnderKeelClearanceAllowanceAreaType / waterLevelTrend

Namespace	http://www.ihc.int/S127/2.0										
Diagram	<pre> classDiagram class waterLevelTrend { UnderKeelClearanceAllowanceArea_waterLevelTrendLabel @Attributes @code } waterLevelTrend < -- UnderKeelClearanceAllowanceArea_wate ... </pre>										
Type	UnderKeelClearanceAllowanceArea_waterLevelTrendType										
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • UnderKeelClearanceAllowanceArea_waterLevelTrendLabel • UnderKeelClearanceAllowanceArea_waterLevelTrendType 										
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="width: 25%;">QName</th> <th style="width: 25%;">Type</th> <th style="width: 25%;">Use</th> <th style="width: 25%;"></th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">code</td> <td style="padding: 2px;">UnderKeelClearanceAl- lowanceArea_waterLevel- TrendCode</td> <td style="padding: 2px;">required</td> <td style="padding: 2px;"></td> </tr> </tbody> </table>	QName	Type	Use		code	UnderKeelClearanceAl- lowanceArea_waterLevel- TrendCode	required			
QName	Type	Use									
code	UnderKeelClearanceAl- lowanceArea_waterLevel- TrendCode	required									
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd										

Element UnderKeelClearanceAllowanceAreaType / geometry

Namespace	http://www.ihc.int/S127/2.0		
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Diagram	
Properties	<p>content: complex</p> <p>maxOccurs: unbounded</p>
Model	surfaceProperty
Children	surfaceProperty
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element UnderKeelClearanceManagementAreaType / dynamicResource

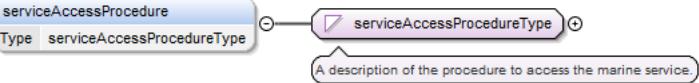
Namespace	http://www.oho.int/S127/2.0						
Diagram							
Type	UnderKeelClearanceManagementArea_dynamicResourceType						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> UnderKeelClearanceManagementArea_dynamicResourceLabel UnderKeelClearanceManagementArea_dynamicResourceType 						
Properties	<p>content: complex</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</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>UnderKeelClearanceManagementArea_dynamicResourceCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	UnderKeelClearanceManagementArea_dynamicResourceCode	required
QName	Type	Use					
code	UnderKeelClearanceManagementArea_dynamicResourceCode	required					
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element UnderKeelClearanceManagementAreaType / geometry

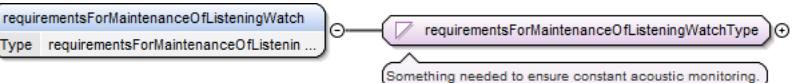
Namespace	http://www.oho.int/S127/2.0
Diagram	
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Model	surfaceProperty
Children	surfaceProperty
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element VesselTrafficServiceAreaType / serviceAccessProcedure

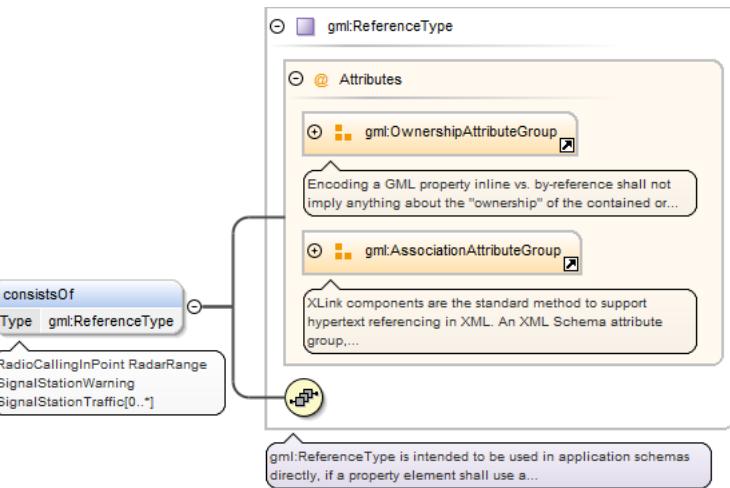
Namespace	http://www.oho.int/S127/2.0
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Diagram							
Type	serviceAccessProcedureType						
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content:	simple						
minOccurs:	0						
maxOccurs:	1						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element VesselTrafficServiceAreaType / requirementsForMaintenanceOfListeningWatch

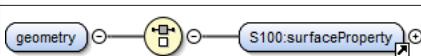
Namespace	http://www.ihc.int/S127/2.0								
Diagram									
Type	requirementsForMaintenanceOfListeningWatchType								
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> <tr> <td>nillable:</td> <td>true</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1	nillable:	true
content:	simple								
minOccurs:	1								
maxOccurs:	1								
nillable:	true								
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Element VesselTrafficServiceAreaType / consistsOf

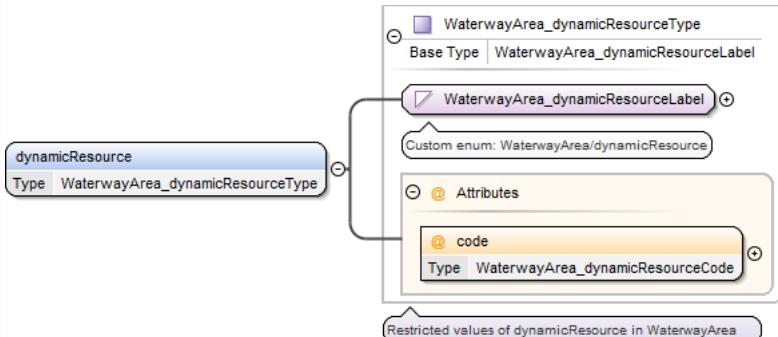
Namespace	http://www.ihc.int/S127/2.0																				
Annotations	RadioCallingInPoint RadarRange SignalStationWarning SignalStationTraffic[0..*]																				
Diagram																					
Type	gml:ReferenceType																				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</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> </tbody> </table>	QName	Type	Fixed	Default	Use	nilReason	gml:nilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional
QName	Type	Fixed	Default	Use																	
nilReason	gml:nilReasonType			optional																	
owns	boolean		false	optional																	
xlink:actuate	xlink:actuateType			optional																	

	QName	Type	Fixed	Default	Use	
	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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd					

Element vesselTrafficServiceAreaType / geometry

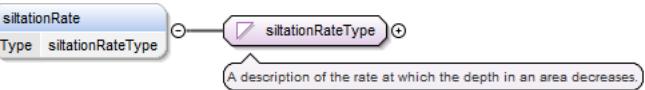
Namespace	http://www.ihoint/S127/2.0
Diagram	
Properties	content: complex maxOccurs: unbounded
Model	surfaceProperty
Children	surfaceProperty
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element WaterwayAreaType / dynamicResource

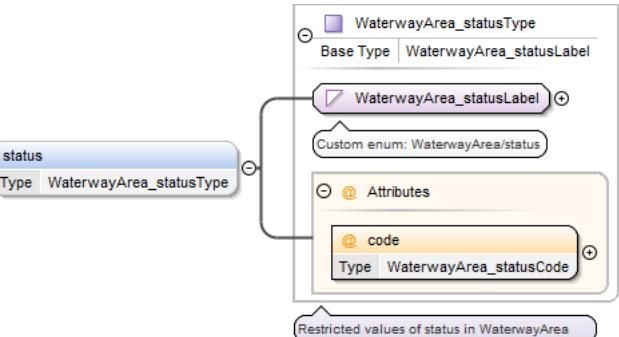
Namespace	http://www.ihoint/S127/2.0						
Diagram							
Type	WaterwayArea_dynamicResourceType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • WaterwayArea_dynamicResourceLabel • WaterwayArea_dynamicResourceType 						
Properties	content: complex minOccurs: 1 maxOccurs: 1 nillable: true						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>WaterwayArea_dynamicResourceCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	WaterwayArea_dynamicResourceCode	required
QName	Type	Use					
code	WaterwayArea_dynamicResourceCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element WaterwayAreaType / siltationRate

Namespace	http://www.ihoint/S127/2.0
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Diagram							
Type	siltationRateType						
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						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element WaterwayAreaType / status

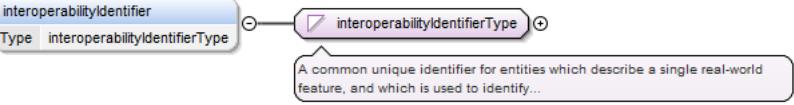
Namespace	http://www.ihoint/S127/2.0						
Diagram							
Type	WaterwayArea_statusType						
Type hierarchy	<ul style="list-style-type: none"> xs:string • WaterwayAreaStatusLabel • WaterwayArea_statusType 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</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>WaterwayArea_statusCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	WaterwayArea_statusCode	required
QName	Type	Use					
code	WaterwayArea_statusCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element WaterwayAreaType / geometry

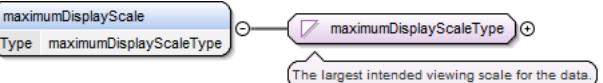
Namespace	http://www.ihoint/S127/2.0				
Diagram					
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	maxOccurs:	unbounded
content:	complex				
maxOccurs:	unbounded				
Model	surfaceProperty				
Children	surfaceProperty				
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd				

Element DataCoverageType / interoperabilityIdentifier

Namespace	http://www.ihoint/S127/2.0
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Diagram	
Type	interoperabilityIdentifierType
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element DataCoverageType / maximumDisplayScale

Namespace	http://www.ihc.int/S127/2.0
Diagram	
Type	maximumDisplayScaleType
Properties	<p>content: simple</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p> <p>nillable: true</p>
Facets	minInclusive 1
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element DataCoverageType / minimumDisplayScale

Namespace	http://www.ihc.int/S127/2.0
Diagram	
Type	minimumDisplayScaleType
Properties	<p>content: simple</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p> <p>nillable: true</p>
Facets	minInclusive 1
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element DataCoverageType / geometry

Namespace	http://www.ihc.int/S127/2.0
Diagram	
Properties	<p>content: complex</p> <p>maxOccurs: unbounded</p>
Model	surfaceProperty
Children	surfaceProperty
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element QualityOfNonBathymetricDataType / categoryOfTemporalVariation

Namespace	http://www.ihc.int/S127/2.0								
Diagram	<pre> classDiagram class categoryOfTemporalVariation { <<Type: QualityOfNonBathymetricData_category ...>> } class QualityOfNonBathymetricData_categoryOfTemporalVariationType { <<Base Type: QualityOfNonBathymetricData_category ...>> } class QualityOfNonBathymetricData_categoryOfTemporalVariationLabel { <<Custom enum: QualityOfNonBathymetricData/categoryOfTemporalVariation>> } class QualityOfNonBathymetricData_categoryOfTemporalVariationType { <<@ Attributes>> <<@ code: QualityOfNonBathymetricData_category ...>> } categoryOfTemporalVariation < -- QualityOfNonBathymetricData_categoryOfTemporalVariationType QualityOfNonBathymetricData_categoryOfTemporalVariationType < -- QualityOfNonBathymetricData_categoryOfTemporalVariationLabel QualityOfNonBathymetricData_categoryOfTemporalVariationType < -- QualityOfNonBathymetricData_categoryOfTemporalVariationType note over QualityOfNonBathymetricData_categoryOfTemporalVariationType { Restricted values of categoryOfTemporalVariation in QualityOfNonBathymetricData } </pre>								
Type	QualityOfNonBathymetricData_categoryOfTemporalVariationType								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • QualityOfNonBathymetricData_categoryOfTemporalVariationLabel • QualityOfNonBathymetricData_categoryOfTemporalVariationType 								
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>QualityOfNonBathymetricData_categoryOfTemporalVariationCode</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		code	QualityOfNonBathymetricData_categoryOfTemporalVariationCode	required	
QName	Type	Use							
code	QualityOfNonBathymetricData_categoryOfTemporalVariationCode	required							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Element QualityOfNonBathymetricDataType / horizontalDistanceUncertainty

Namespace	http://www.ihc.int/S127/2.0						
Diagram	 <pre> classDiagram class horizontalDistanceUncertainty { <<Type>> } class horizontalDistanceUncertaintyType { <<horizontalDistanceUncertaintyType>> } horizontalDistanceUncertainty "1" -- "1" horizontalDistanceUncertaintyType horizontalDistanceUncertaintyType <<The best estimate of the horizontal accuracy of horizontal clearances and distances.>> </pre>						
Type	horizontalDistanceUncertaintyType						
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						
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element QualityOfNonBathymetricDataType / orientationUncertainty

Namespace	http://www.ihc.int/S127/2.0						
Diagram	 <pre> classDiagram orientationUncertainty "1.." orientationUncertaintyType "0.." orientationUncertainty "1.." orientationUncertaintyType "0.." orientationUncertainty < -- orientationUncertaintyType orientationUncertaintyType < -- orientationUncertainty orientationUncertaintyType < -- orientationUncertainty </pre> <p>The diagram shows a UML class hierarchy. At the top level, there is a class named 'orientationUncertainty' with multiplicity '1..'. Below it, there is a class named 'orientationUncertaintyType' with multiplicity '0..'. A directed association line connects 'orientationUncertainty' to 'orientationUncertaintyType', indicating that 'orientationUncertaintyType' is a type of 'orientationUncertainty'. The association line has open circles at both ends. Below the classes, a callout box contains the text '(The best estimate of the accuracy of a bearing.)'.</p>						
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						
Facets	<table border="1"> <tr> <td>maxInclusive</td> <td>360.000</td> </tr> <tr> <td>minInclusive</td> <td>0.000</td> </tr> </table>	maxInclusive	360.000	minInclusive	0.000		
maxInclusive	360.000						
minInclusive	0.000						

Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd
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Element QualityOfNonBathymetricDataType / horizontalPositionUncertainty

Namespace	http://www.ihodata.org/S127/2.0						
Diagram	<pre> classDiagram class horizontalPositionUncertaintyType { uncertaintyFixed : uncertaintyFixedType uncertaintyVariableFactor : uncertaintyVariableFactorType } horizontalPositionUncertaintyType < -- horizontalPositionUncertainty horizontalPositionUncertaintyType < -- horizontalPositionUncertaintyType </pre>						
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}						
Children	uncertaintyFixed, uncertaintyVariableFactor						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element QualityOfNonBathymetricDataType / interoperabilityIdentifier

Namespace	http://www.ihodata.org/S127/2.0						
Diagram	<pre> classDiagram class interoperabilityIdentifierType { <<A common unique identifier for entities which describe a single real-world feature, and which is used to identify...>> } interoperabilityIdentifierType < -- interoperabilityIdentifier </pre>						
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						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element QualityOfNonBathymetricDataType / sourceIndication

Namespace	http://www.ihodata.org/S127/2.0
Diagram	<pre> classDiagram class sourceIndicationType { categoryOfAuthority : sourceIndication_categoryOfAuthorityType countryName : countryNameType source : sourceType sourceType : sourceIndication_sourceTypeType reportedDate : reportedDateType <<Information about the source document, publication, or reference from which object data or textual material included or...>> <<0..oo>> featureName : featureNameType } sourceIndicationType < -- sourceIndication sourceIndicationType < -- sourceIndicationType </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*
Children	categoryOfAuthority, countryName, featureName, reportedDate, source, sourceType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element QualityOfNonBathymetricDataType / surveyDateRange

Namespace	http://www.ihodata.org/S127/2.0
Diagram	<p>The diagram illustrates the schema element <code>surveyDateRange</code> which is defined as a complex type (<code>surveyDateRangeType</code>). This type is derived from a base type, indicated by a generalization arrow pointing from <code>surveyDateRange</code> to <code>surveyDateRangeType</code>. The <code>surveyDateRangeType</code> class contains two attributes: <code>dateStart</code> (of type <code>dateStartType</code>) and <code>dateEnd</code> (of type <code>dateEndType</code>). A callout box provides a detailed description: "The complex attribute describes the period of the hydrographic survey, as the time between its sub-attributes."</p>
Type	surveyDateRangeType
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	dateStart{0,1} , dateEnd
Children	dateEnd, dateStart
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element QualityOfNonBathymetricDataType / information

Namespace	http://www.ihodata.org/S127/2.0
Diagram	<p>The diagram illustrates the schema element <code>information</code> which is defined as a complex type (<code>informationType</code>). This type is derived from a base type, indicated by a generalization arrow pointing from <code>information</code> to <code>informationType</code>. The <code>informationType</code> class contains five attributes: <code>fileLocator</code> (of type <code>fileLocatorType</code>), <code>fileReference</code> (of type <code>fileReferenceType</code>), <code>headline</code> (of type <code>headlineType</code>), <code>language</code> (of type <code>languageType</code>), and <code>text</code> (of type <code>textType</code>). A callout box provides a detailed description: "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	content: complex minOccurs: 0 maxOccurs: unbounded
Model	fileLocator{0,1} , fileReference{0,1} , headline* , language{0,1} , text{0,1}
Children	fileLocator, fileReference, headline, language, text

Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd
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Element QualityOfNonBathymetricDataType / geometry

Namespace	http://www.ihodata.org/S127/2.0				
Diagram	<pre> graph LR geometry --> S100surfaceProperty style geometry fill:#e0f2e0 style S100surfaceProperty fill:#d3d3d3 </pre>				
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				
Children	surfaceProperty				
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd				

Element TextPlacementType / textOffsetBearing

Namespace	http://www.ihodata.org/S127/2.0								
Diagram	<pre> graph LR textOffsetBearing --> textOffsetBearingType style textOffsetBearing fill:#e0f2e0 style textOffsetBearingType fill:#d3d3d3 </pre> <p>The angular distance measured from true north that text associated with a feature is positioned from the feature in an...</p>								
Type	textOffsetBearingType								
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								
Facets	<table border="1"> <tr> <td>maxExclusive</td> <td>360</td> </tr> <tr> <td>minInclusive</td> <td>0</td> </tr> </table>	maxExclusive	360	minInclusive	0				
maxExclusive	360								
minInclusive	0								
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Element TextPlacementType / textOffsetDistance

Namespace	http://www.ihodata.org/S127/2.0								
Diagram	<pre> graph LR textOffsetDistance --> textOffsetDistanceType style textOffsetDistance fill:#e0f2e0 style textOffsetDistanceType fill:#d3d3d3 </pre> <p>The distance that text associated with a feature is positioned from the feature in an end-user system.</p>								
Type	textOffsetDistanceType								
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								
Facets	<table border="1"> <tr> <td>maxInclusive</td> <td>50</td> </tr> <tr> <td>minExclusive</td> <td>0</td> </tr> </table>	maxInclusive	50	minExclusive	0				
maxInclusive	50								
minExclusive	0								
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Element TextPlacementType / textRotation

Namespace	http://www.ihodata.org/S127/2.0
Diagram	<pre> graph LR textRotation --> textRotationType style textRotation fill:#e0f2e0 style textRotationType fill:#d3d3d3 </pre> <p>A statement that expresses if text associated with a feature is to be rotated in the ECDIS display or not.</p>

Type	textRotationType
Properties	content: simple minOccurs: 0 maxOccurs: 1
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element TextPlacementType / textType

Namespace	http://www.ihoint/S127/2.0						
Diagram	<pre> classDiagram class TextPlacement_textType { <<TextPlacement_textTypeType>> <<TextPlacement_textTypeLabel>> <<Custom enum: TextPlacement/textType>> <<@ Attributes>> <<@ code>> <<Type TextPlacement_textTypeCode>> } note over TextPlacement_textType: Restricted values of textType in TextPlacement </pre>						
Type	TextPlacement_textType						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> TextPlacement_textTypeLabel TextPlacement_textType 						
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					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element TextPlacementType / scaleMinimum

Namespace	http://www.ihoint/S127/2.0
Diagram	<pre> classDiagram class scaleMinimum { <<scaleMinimumType>> } note over scaleMinimum: The minimum scale at which the feature may be used for example for ECDIS presentation. </pre>
Type	scaleMinimumType
Properties	content: simple minOccurs: 0 maxOccurs: 1
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Element TextPlacementType / thePositionProvider

Namespace	http://www.ihoint/S127/2.0
Annotations	FeatureType[1..1]

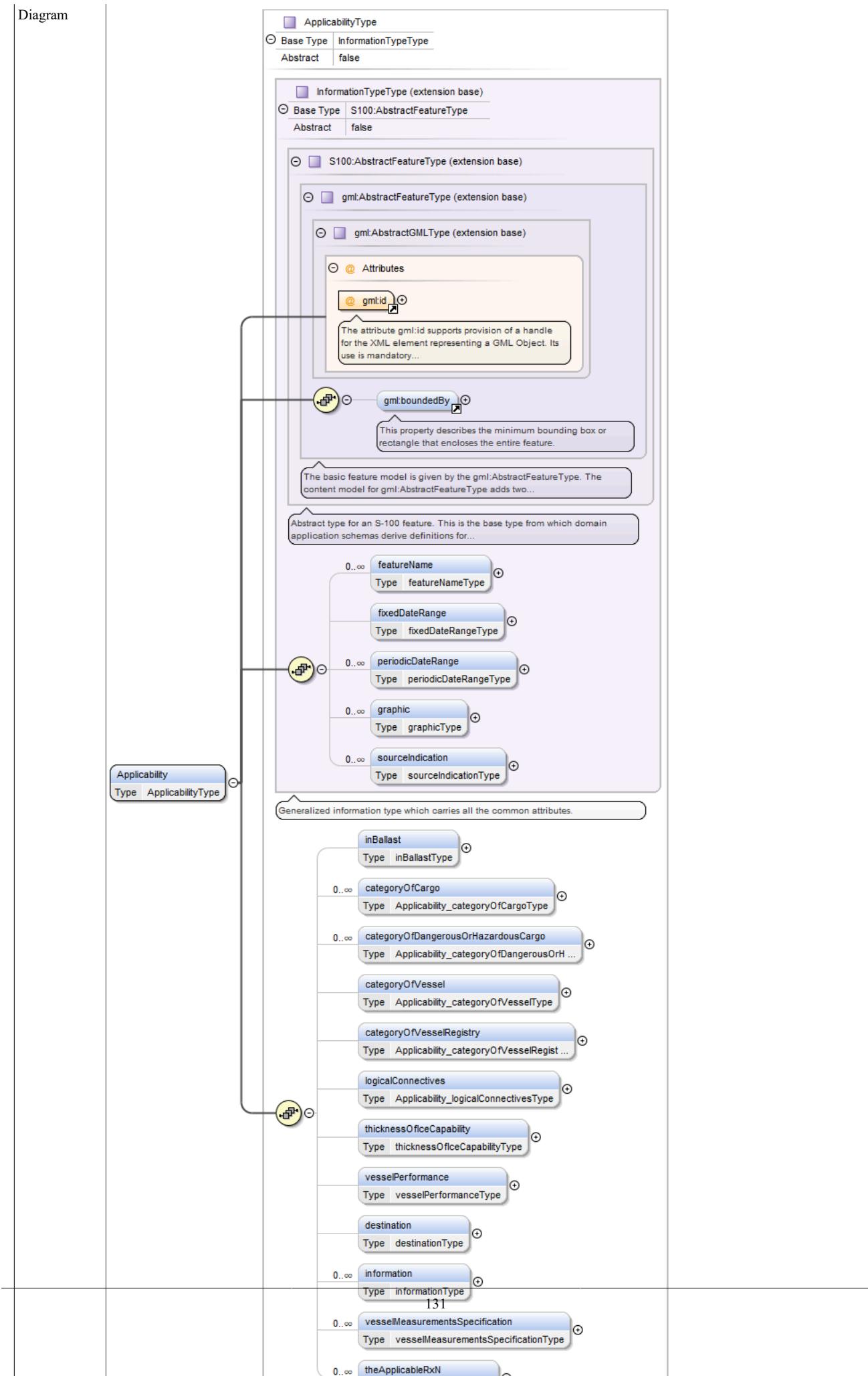
Diagram																																																			
Type	gml:ReferenceType																																																		
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1																																												
content:	complex																																																		
minOccurs:	1																																																		
maxOccurs:	1																																																		
Model																																																			
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																																															
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																																																		

Element TextPlacementType / geometry

Namespace	http://www.ihc.int/S127/2.0				
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	pointProperty				
Children	pointProperty				
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd				

Element Applicability

Namespace	http://www.ihc.int/S127/2.0
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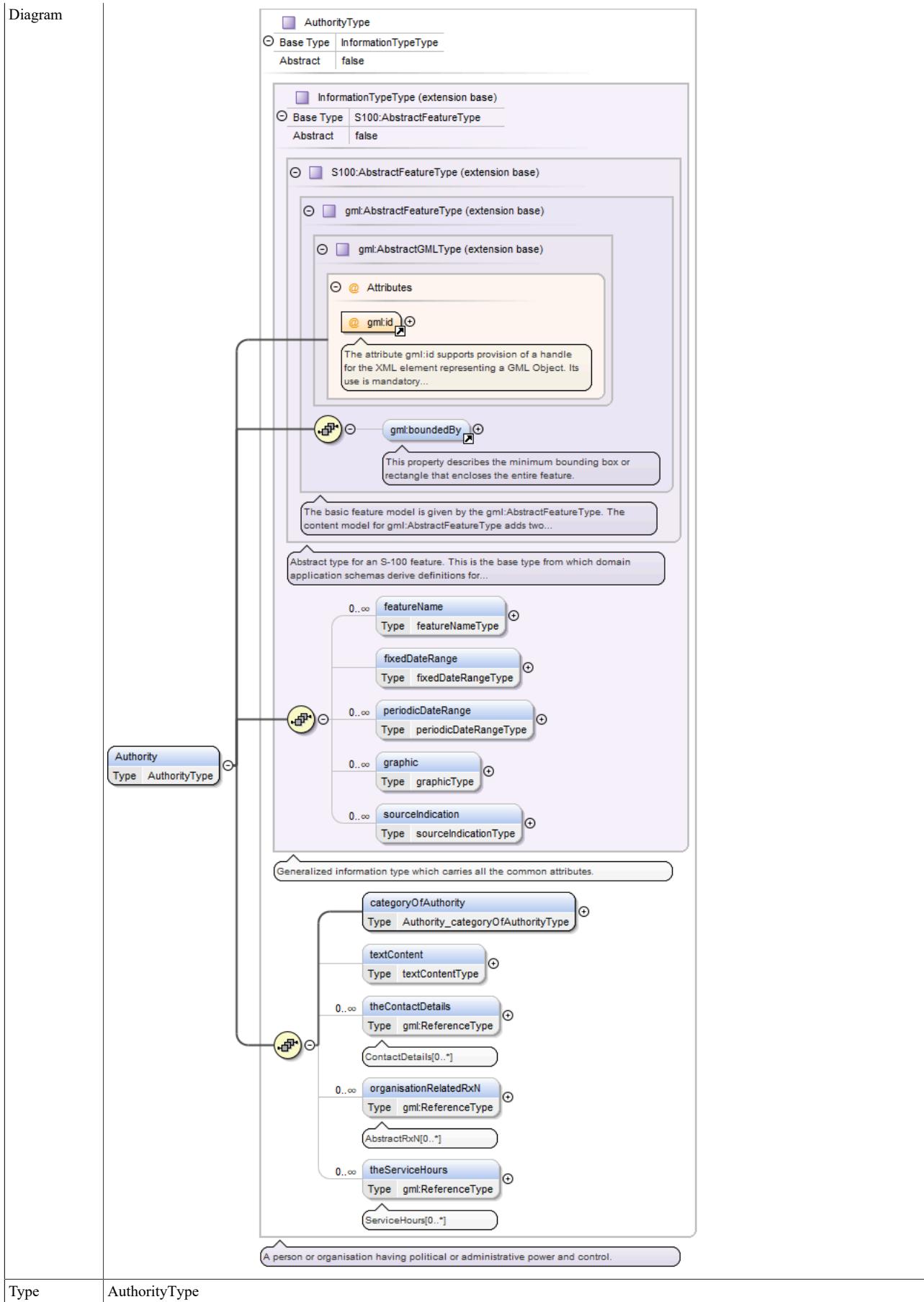


Type	ApplicabilityType											
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code> • <code>InformationTypeType</code> • <code>ApplicabilityType</code> 											
Properties	content: complex											
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>inBallast{0,1}</code> , <code>categoryOfCargo*</code> , <code>categoryOfDangerousOrHazardousCargo*</code> , <code>categoryOfVessel{0,1}</code> , <code>categoryOfVesselRegistry{0,1}</code> , <code>logicalConnectives{0,1}</code> , <code>thicknessOfIceCapability{0,1}</code> , <code>vesselPerformance{0,1}</code> , <code>destination{0,1}</code> , <code>information*</code> , <code>vesselMeasurementsSpecification*</code> , <code>theApplicableRxN*</code>											
Children	categoryOfCargo, categoryOfDangerousOrHazardousCargo, categoryOfVessel, categoryOfVesselRegistry, destination, featureName, fixedDateRange, <code>gml:boundedBy</code> , graphic, inBallast, information, logicalConnectives, periodicDateRange, sourceIndication, theApplicableRxN, thicknessOfIceCapability, vesselMeasurementsSpecification, vesselPerformance											
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> <tr> <td></td> <td colspan="2"> 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. </td></tr> </tbody> </table>	QName	Type	Use	<code>gml:id</code>	ID	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.			
QName	Type	Use										
<code>gml:id</code>	ID	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.											
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd											

Element Authority

Namespace	http://www.ihointerport.org/S127/2.0
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Diagram

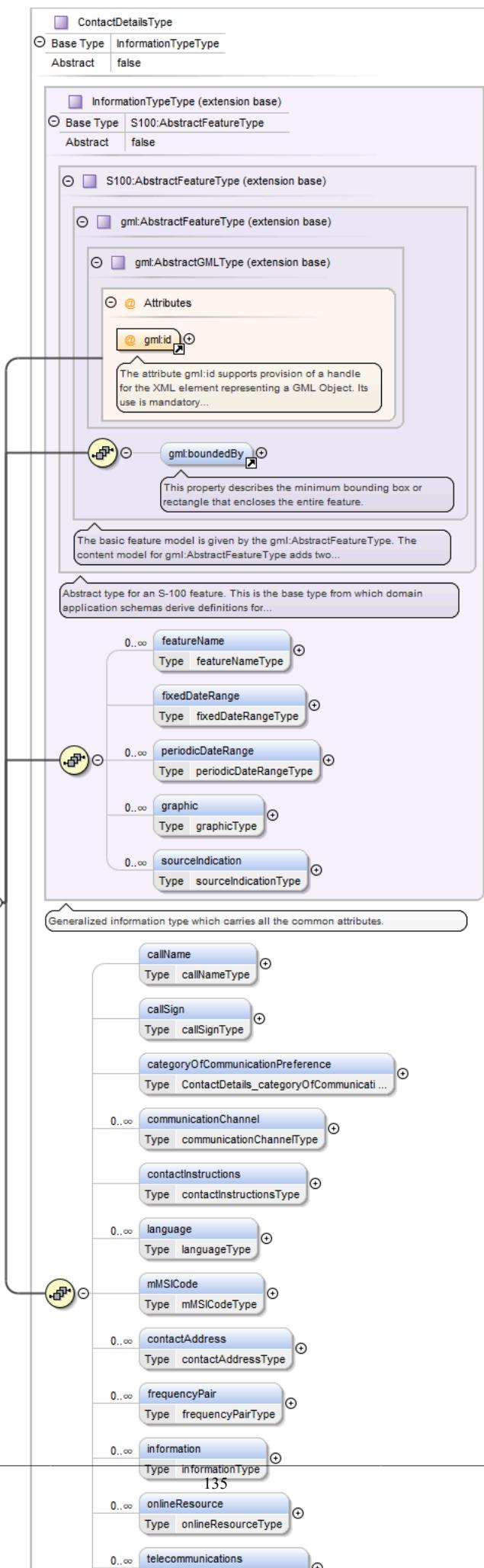


Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code> • <code>InformationTypeType</code> • <code>AuthorityType</code> 		
Properties	content: complex		
Used by	Element Group MemberObjects		
Model	<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</code> , <code>textContent{0,1}</code> , <code>theContactDetails*</code> , <code>organisationRelatedRxN*</code> , <code>theServiceHours*</code>		
Children	categoryOfAuthority, featureName, fixedDateRange, <code>gml:boundedBy</code> , graphic, organisationRelatedRxN, periodicDateRange, sourceIndication, textContent, theContactDetails, theServiceHours		
Attributes	QName gml:id	Type	Use
		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>		
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Element ContactDetails

Namespace	http://www.ihc.int/S127/2.0
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Diagram

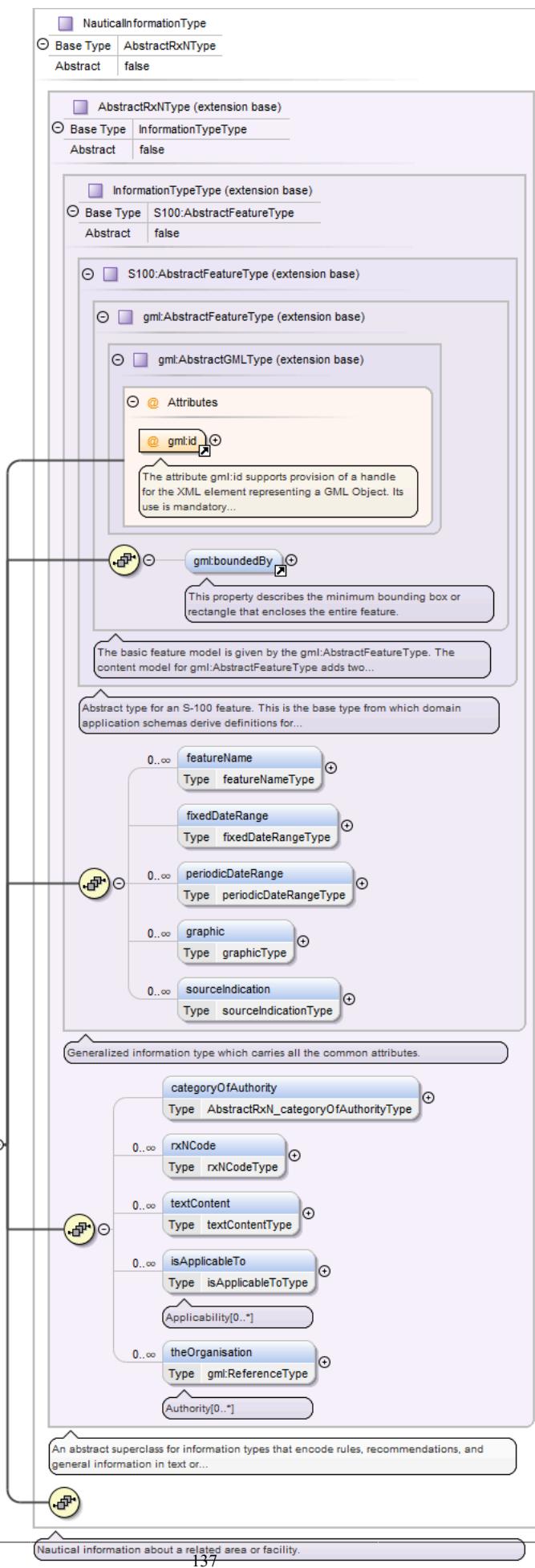


Type	ContactDetailsType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • InformationTypeType • ContactDetailsType 														
Properties	content: complex														
Used by	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*														
Children	callName, callSign, categoryOfCommunicationPreference, communicationChannel, contactAddress, contactInstructions, featureName, fixedDateRange, frequencyPair, gml:boundedBy, graphic, information, language, mMSICode, onlineResource, periodicDateRange, sourceIndication, telecommunications, theAuthority														
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> <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		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													
	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.														
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd														

Element NauticalInformation

Namespace	http://www.ihc.int/S127/2.0
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Diagram

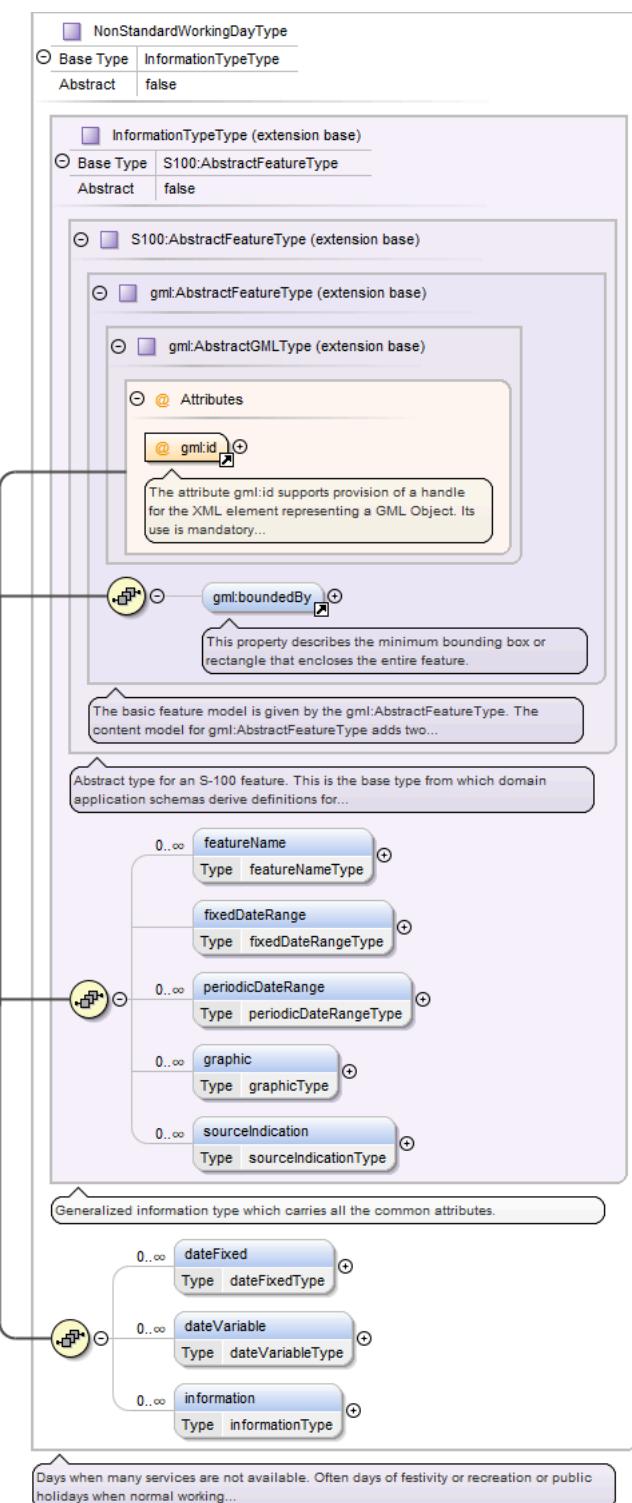


Type	NauticalInformationType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • InformationTypeType • AbstractRxNType • NauticalInformationType 										
Properties	content: complex										
Used by	Element Group MemberObjects										
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication* , categoryOfAuthority{0,1} , rxNCode* , textContent* , isApplicableTo* , theOrganisation*										
Children	categoryOfAuthority, featureName, fixedDateRange, gml:boundedBy, graphic, isApplicableTo, periodicDateRange, rxNCode, sourceIndication, textContent, 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>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									
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd										

Element NonStandardWorkingDay

Namespace	http://www.ihc.int/S127/2.0
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Diagram



Type	NonStandardWorkingDayType
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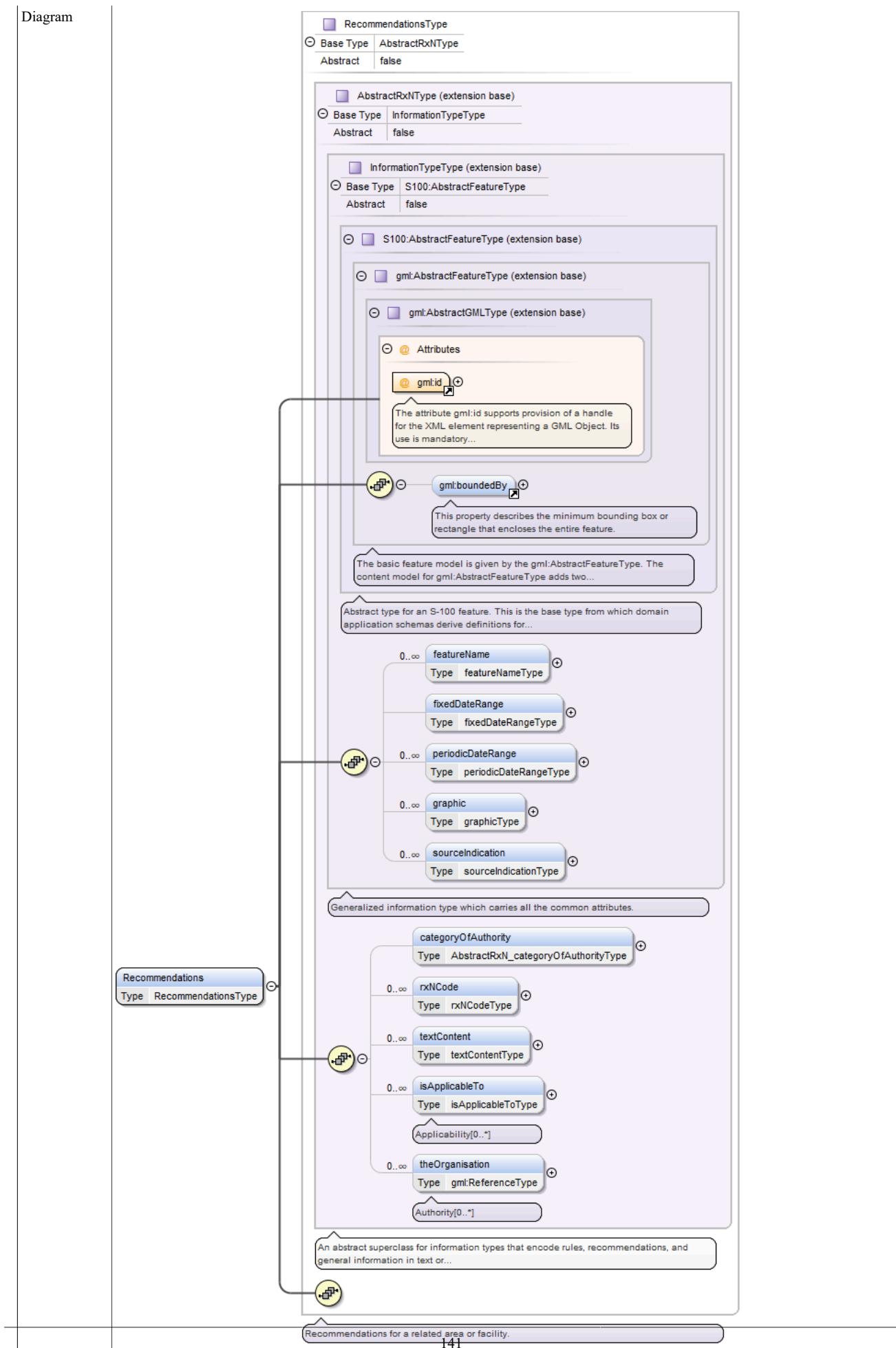
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • InformationTypeType • NonStandardWorkingDayType
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Properties	content: complex
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Used by	Element Group MemberObjects		
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication* , dateFixed* , dateVariable* , information*		
Children	dateFixed, dateVariable, featureName, fixedDateRange, gml:boundedBy, graphic, information, periodicDateRange, sourceIndication		
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.		
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Element Recommendations

Namespace	http://www.ihc.int/S127/2.0
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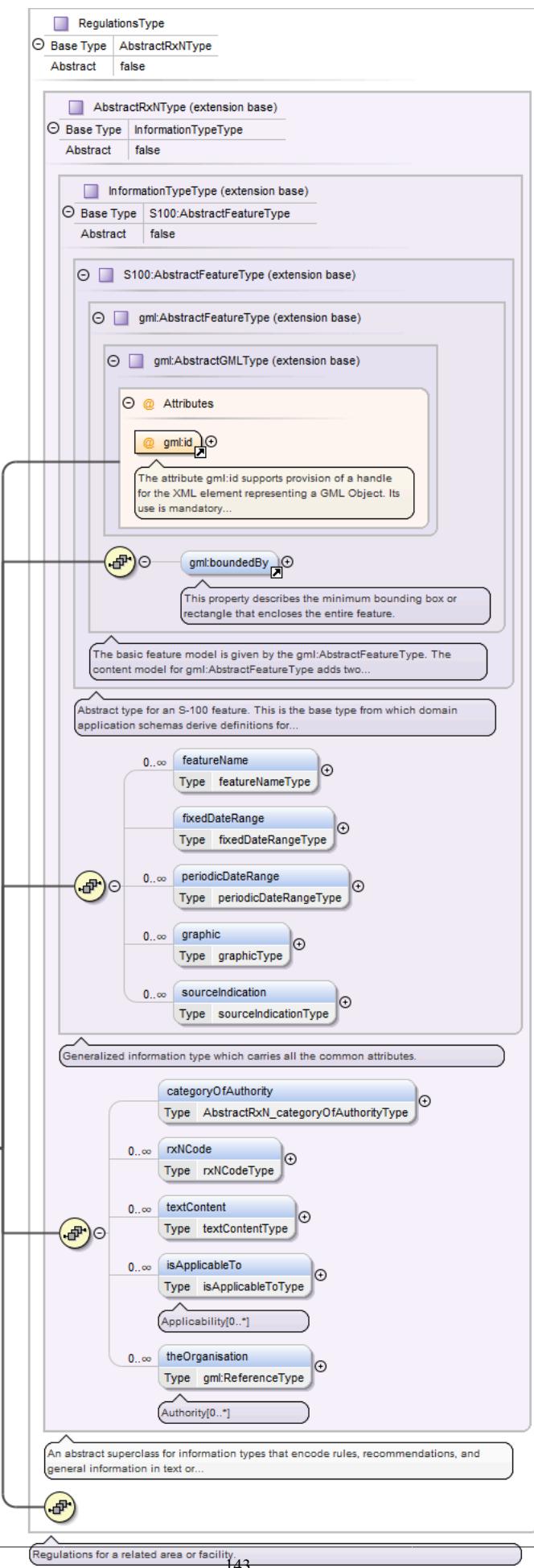


Type	RecommendationsType										
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code> • <code>InformationTypeType</code> • <code>AbstractRxNType</code> • <code>RecommendationsType</code> 										
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>										
Children	categoryOfAuthority, featureName, fixedDateRange, <code>gml:boundedBy</code> , graphic, isApplicableTo, periodicDateRange, rxNCode, sourceIndication, textContent, 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><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		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.	
QName	Type	Use									
<code>gml:id</code>	ID	required									
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd										

Element Regulations

Namespace	http://www.ihc.int/S127/2.0
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Diagram

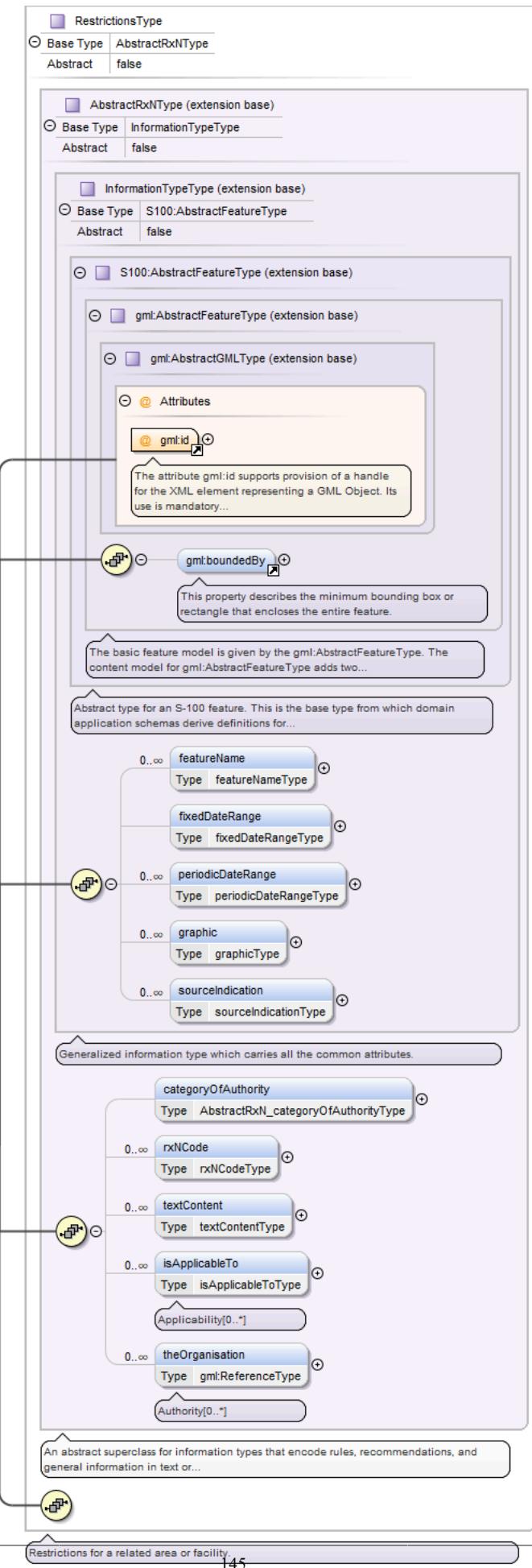


Type	RegulationsType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • InformationTypeType • AbstractRxNType • RegulationsType 										
Properties	content: complex										
Used by	Element Group MemberObjects										
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication* , categoryOfAuthority{0,1} , rxNCode* , textContent* , isApplicableTo* , theOrganisation*										
Children	categoryOfAuthority, featureName, fixedDateRange, gml:boundedBy, graphic, isApplicableTo, periodicDateRange, rxNCode, sourceIndication, textContent, 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>gml:id</td> <td>ID</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		gml:id	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									
gml:id	ID	required									
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd										

Element Restrictions

Namespace	http://www.ihc.int/S127/2.0
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Diagram

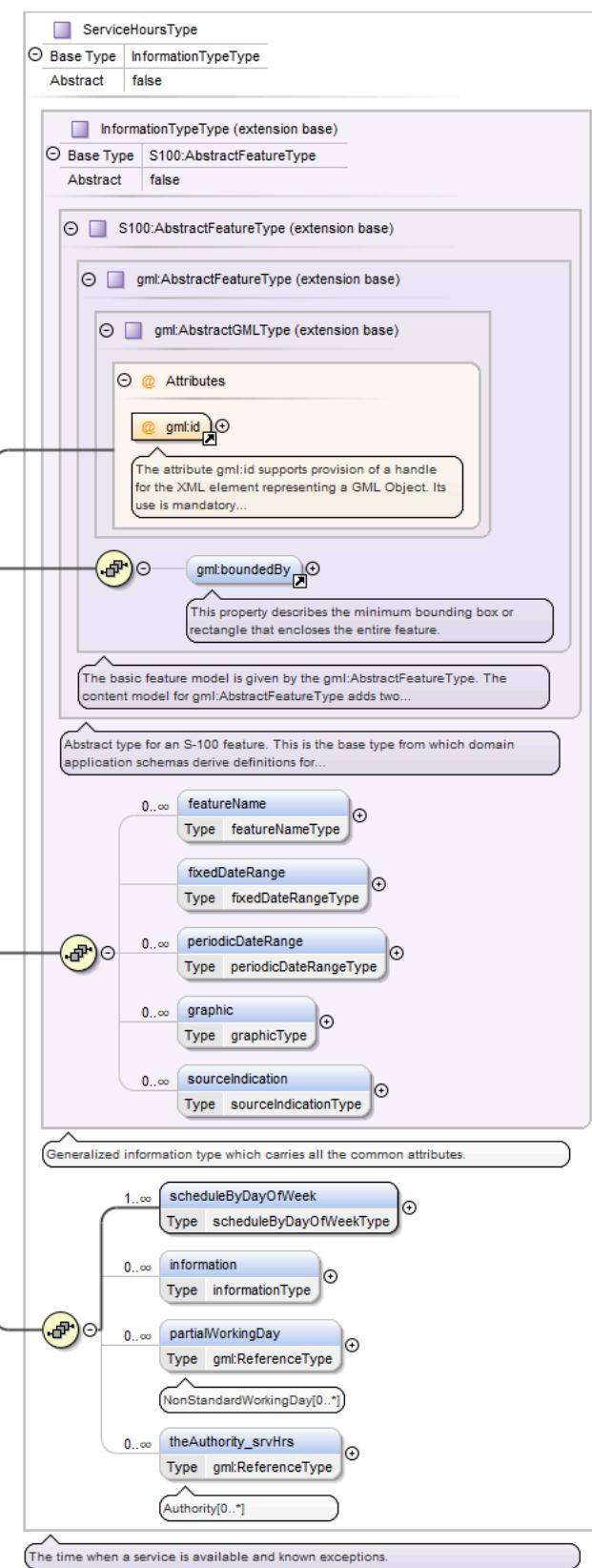


Type	RestrictionsType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • InformationTypeType • AbstractRxNType • RestrictionsType 										
Properties	content: complex										
Used by	Element Group MemberObjects										
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication* , categoryOfAuthority{0,1} , rxNCode* , textContent* , isApplicableTo* , theOrganisation*										
Children	categoryOfAuthority, featureName, fixedDateRange, gml:boundedBy, graphic, isApplicableTo, periodicDateRange, rxNCode, sourceIndication, textContent, 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>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									
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd										

Element ServiceHours

Namespace	http://www.ihc.int/S127/2.0
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Diagram



Type	ServiceHoursType
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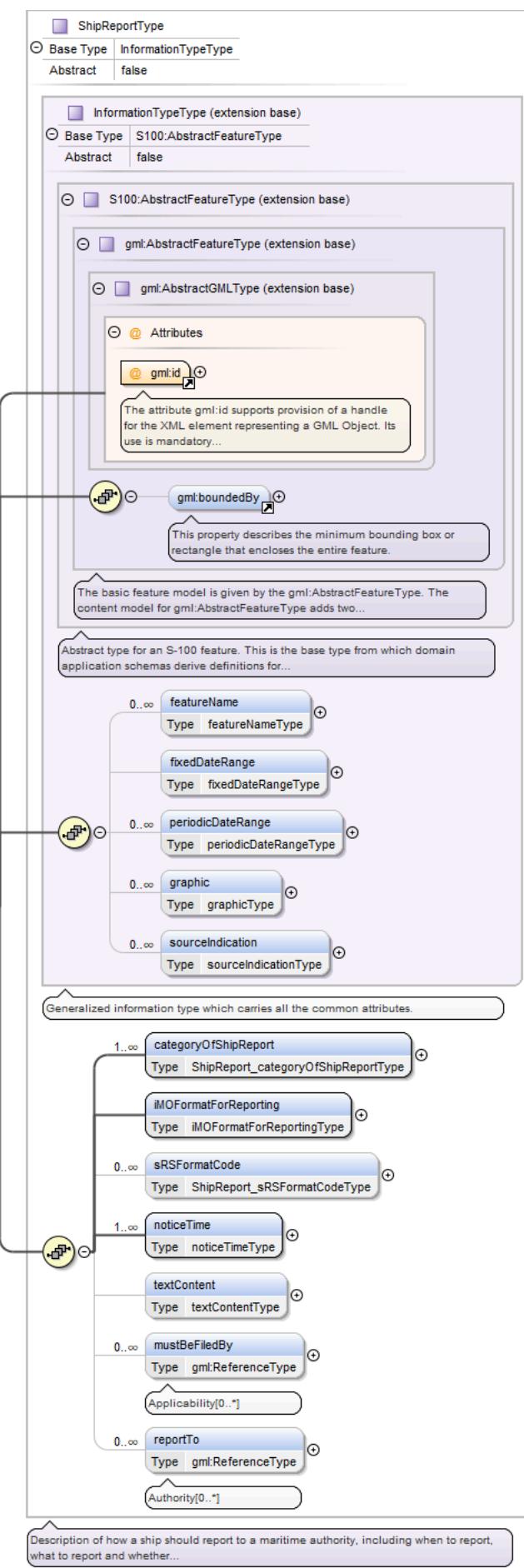
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType
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	<ul style="list-style-type: none"> • InformationTypeType • ServiceHoursType 						
Properties	content: complex						
Used by	Element Group MemberObjects						
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication* , scheduleByDayOfWeek+ , information* , partialWorkingDay* , theAuthority_srvHrs*						
Children	featureName, fixedDateRange, gml:boundedBy, graphic, information, partialWorkingDay, periodicDateRange, scheduleByDayOfWeek, sourceIndication, theAuthority_srvHrs						
Attributes	<table border="1" style="width: 100%;"> <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					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Element shipReport

Namespace	http://www.ihc.int/S127/2.0
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Diagram



Type	ShipReportType								
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • InformationTypeType • ShipReportType 								
Properties	content: complex								
Used by	Element Group MemberObjects								
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication* , categoryOfShipReport+ , iMOFormatForReporting , sRSFormatCode* , noticeTime+ , textContent{0,1} , mustBeFiledBy* , reportTo*								
Children	categoryOfShipReport, featureName, fixedDateRange, gml:boundedBy, graphic, iMOFormatForReporting, mustBeFiledBy, noticeTime, periodicDateRange, reportTo, sRSFormatCode, sourceIndication, textContent								
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							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Element SpatialQuality

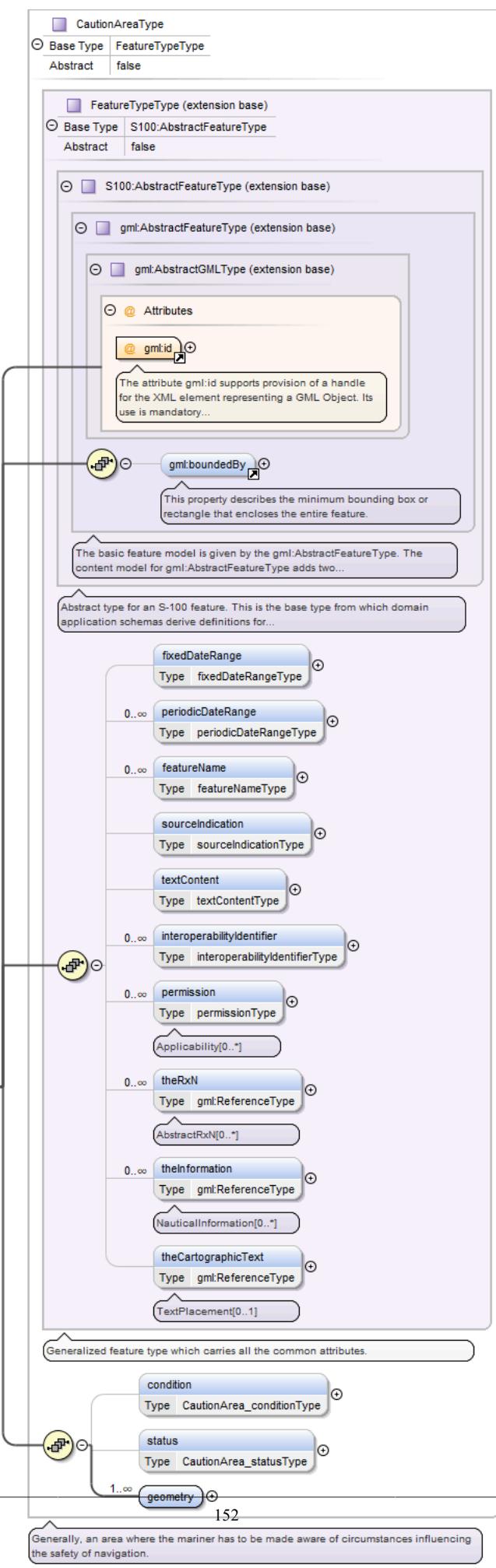
Namespace	http://www.ihc.int/S127/2.0		
Diagram	<p>The diagram illustrates the inheritance structure of the SpatialQualityType element. It shows the following relationships:</p> <ul style="list-style-type: none"> SpatialQualityType is a Type of SpatialQuality. SpatialQualityType is a Base Type of S100:AbstractFeatureType. S100:AbstractFeatureType is an extension base of gml:AbstractFeatureType. gml:AbstractFeatureType is an extension base of gml:AbstractGMLType. gml:AbstractGMLType has an Attribute named gml:id. A callout box for the gml:id attribute provides the following description: "The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory..." gml:AbstractGMLType has a Relationship named gml:boundedBy. A callout box for the gml:boundedBy relationship provides the following description: "This property describes the minimum bounding box or rectangle that encloses the entire feature." gml:AbstractGMLType has a Relationship named qualityOfHorizontalMeasurement. A callout box for the qualityOfHorizontalMeasurement relationship provides the following description: "The basic feature model is given by the gml:AbstractFeatureType. The content model for gml:AbstractFeatureType adds two..." gml:AbstractGMLType has a Relationship named spatialAccuracy. A callout box for the spatialAccuracy relationship provides the following description: "Abstract type for an S-100 feature. This is the base type from which domain application schemas derive definitions for..." A callout box for the spatialAccuracy relationship also provides the following description: "The indication of the quality of the locational information for features in a dataset." 		
Type	SpatialQualityType		

Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> <ul style="list-style-type: none"> • <code>gml:AbstractFeatureType</code> <ul style="list-style-type: none"> • <code>AbstractFeatureType</code> • <code>SpatialQualityType</code> 										
Properties	content: complex										
Used by	Element Group MemberObjects										
Model	<code>gml:boundedBy{0,1}</code> , <code>qualityOfHorizontalMeasurement{0,1}</code> , <code>spatialAccuracy*</code>										
Children	<code>gml:boundedBy</code> , <code>qualityOfHorizontalMeasurement</code> , <code>spatialAccuracy</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> </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									
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd										

Element CautionArea

Namespace	http://www.ihc.int/S127/2.0
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Diagram

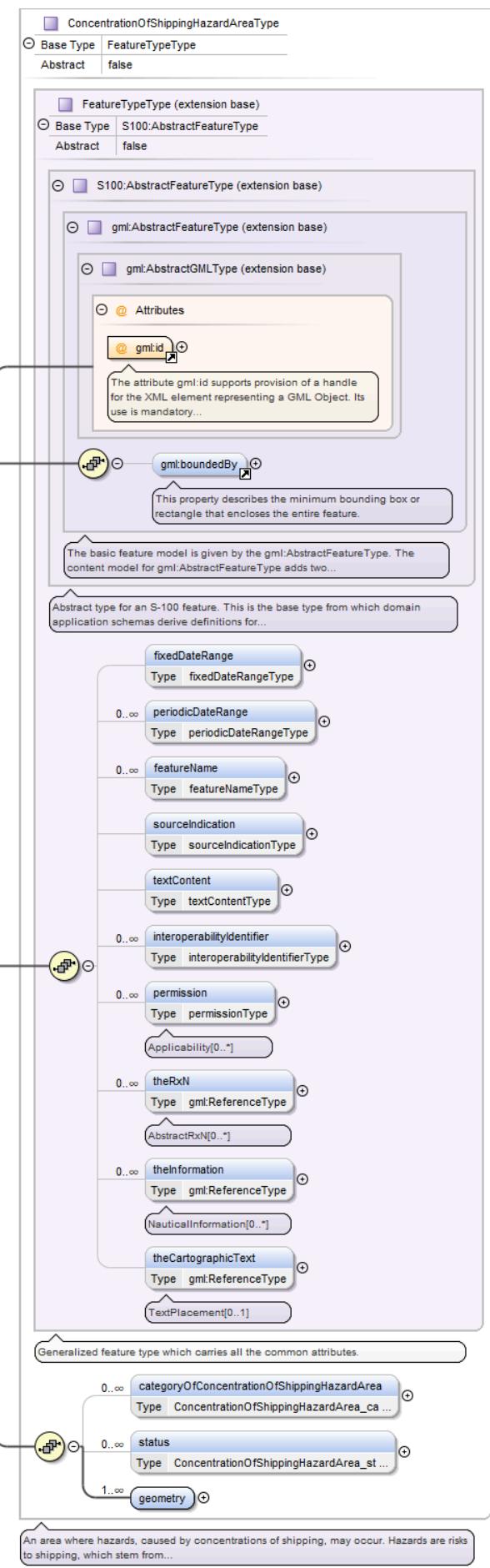


Type	CautionAreaType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • CautionAreaType 										
Properties	content: complex										
Used by	Element Group MemberObjects										
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , condition{0,1} , status{0,1} , geometry+										
Children	condition, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, sourceIndication, status, textContent, theCartographicText, theInformation, theRxN										
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									
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd										

Element ConcentrationOfShippingHazardArea

Namespace	http://www.ihc.int/S127/2.0
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Diagram

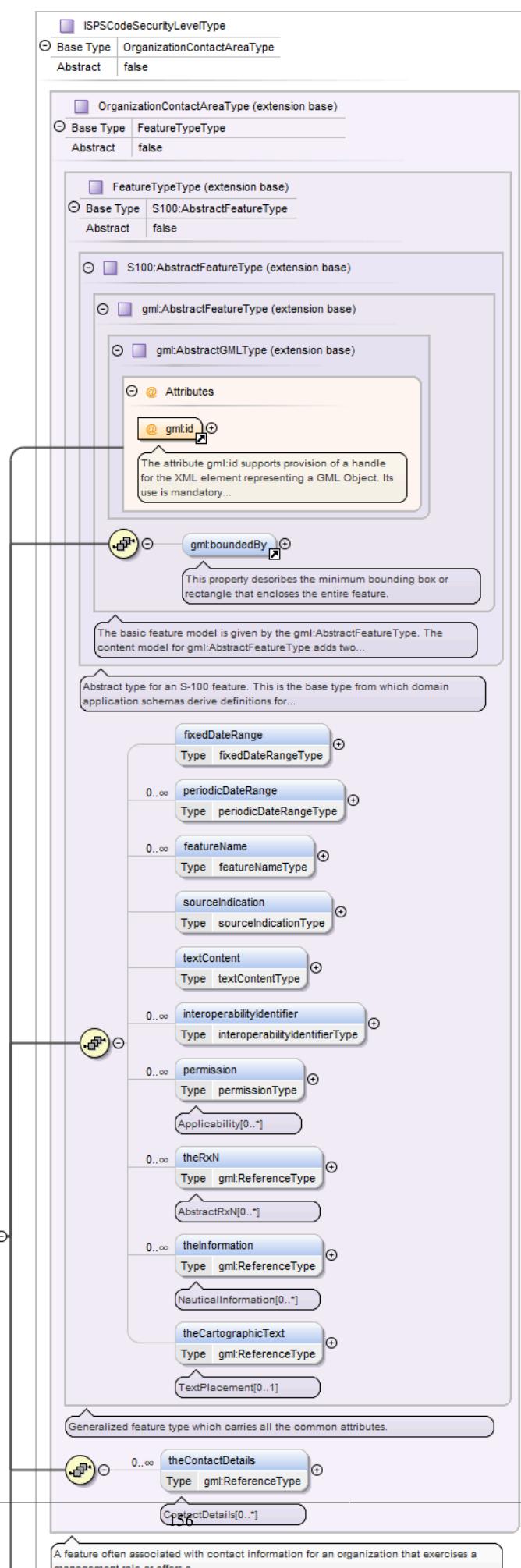


Type	ConcentrationOfShippingHazardAreaType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • ConcentrationOfShippingHazardAreaType 										
Properties	content: complex										
Used by	Element Group MemberObjects										
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , categoryOfConcentrationOfShippingHazardArea* , status* , geometry+										
Children	categoryOfConcentrationOfShippingHazardArea, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, sourceIndication, status, textContent, theCartographicText, theInformation, theRxN										
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> <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									
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd										

Element ISPSCodeSecurityLevel

Namespace	http://www.ihc.int/S127/2.0
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Diagram

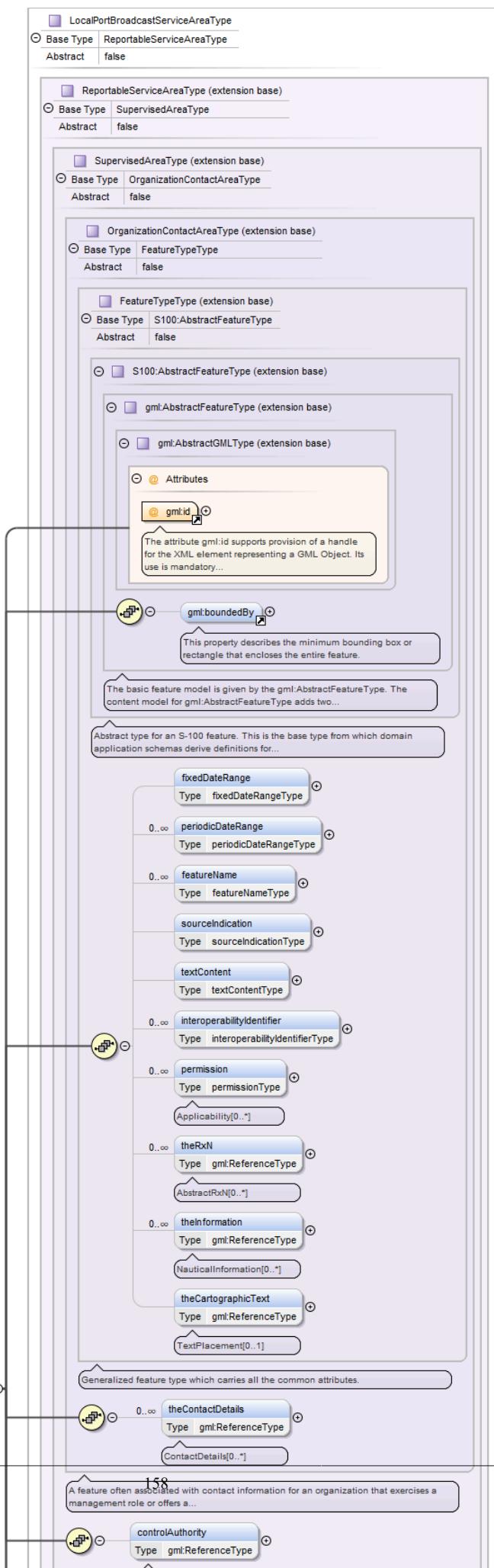


Type	ISPSCodeSecurityLevelType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • ISPSCodeSecurityLevelType 														
Properties	content: complex														
Used by	Element Group MemberObjects														
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , iSPSLevel , geometry+														
Children	featureName, fixedDateRange, geometry, gml:boundedBy, iSPSLevel, interoperabilityIdentifier, periodicDateRange, permission, sourceIndication, textContent, theCartographicText, theContactDetails, theInformation, theRxN														
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> <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		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													
	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.														
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd														

Element LocalPortBroadcastServiceArea

Namespace	http://www.ihc.int/S127/2.0
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Diagram

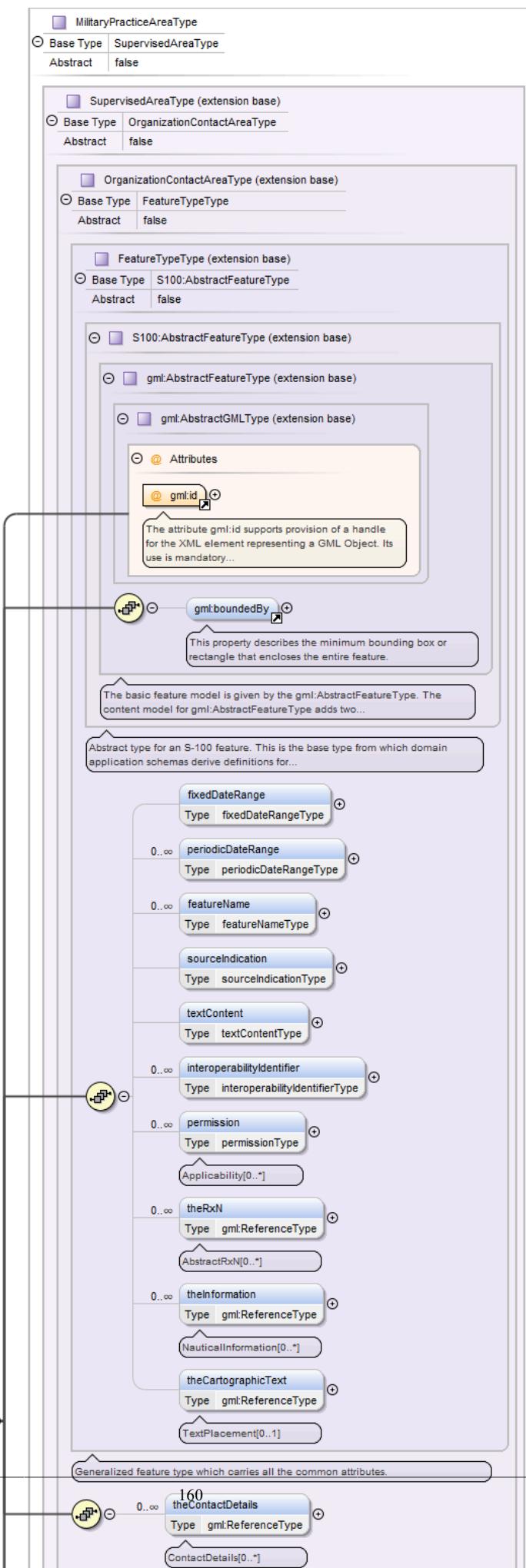


Type	LocalPortBroadcastServiceAreaType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • ReportableServiceAreaType • LocalPortBroadcastServiceAreaType 														
Properties	content: complex														
Used by	Element Group MemberObjects														
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , reptForTrafficServ* , serviceAccessProcedure{0,1} , requirementsForMaintenanceOfListeningWatch , consistsOf* , geometry+														
Children	consistsOf, controlAuthority, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, reptForTrafficServ, requirementsForMaintenanceOfListeningWatch, serviceAccessProcedure, sourceIndication, textContent, theCartographicText, theContactDetails, theInformation, theRxN														
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> <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		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													
	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.														
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd														

Element MilitaryPracticeArea

Namespace	http://www.ihc.int/S127/2.0
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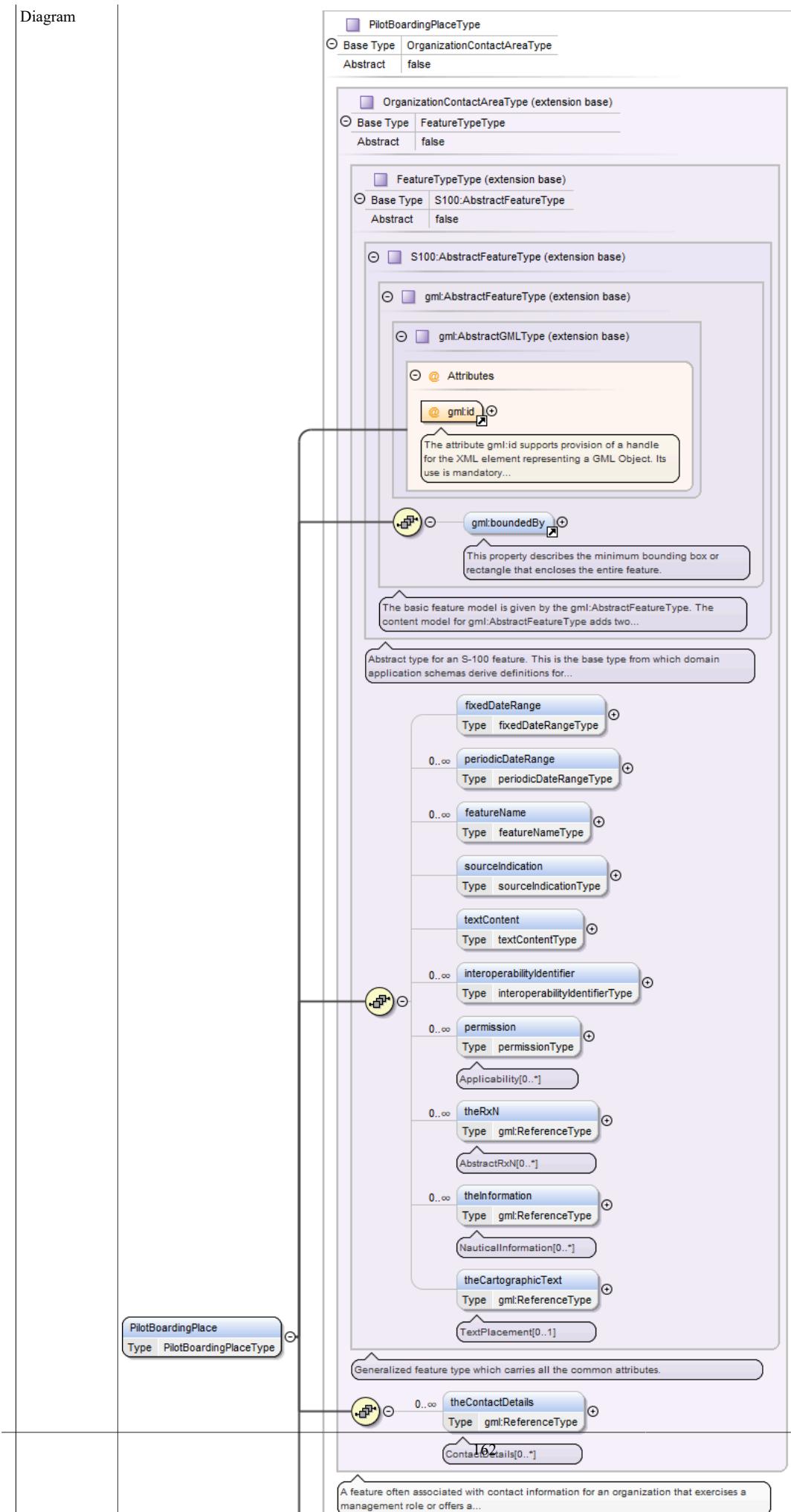
Diagram



Type	MilitaryPracticeAreaType								
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • MilitaryPracticeAreaType 								
Properties	content: complex								
Used by	Element Group MemberObjects								
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , categoryOfMilitaryPracticeArea* , nationality{0,1} , restriction* , status* , theServiceHours{0,1} , geometry+								
Children	categoryOfMilitaryPracticeArea, controlAuthority, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, nationality, periodicDateRange, permission, restriction, sourceIndication, status, textContent, theCartographicText, theContactDetails, theInformation, theRxN, theServiceHours								
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							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Element PilotBoardingPlace

Namespace	http://www.ihc.int/S127/2.0
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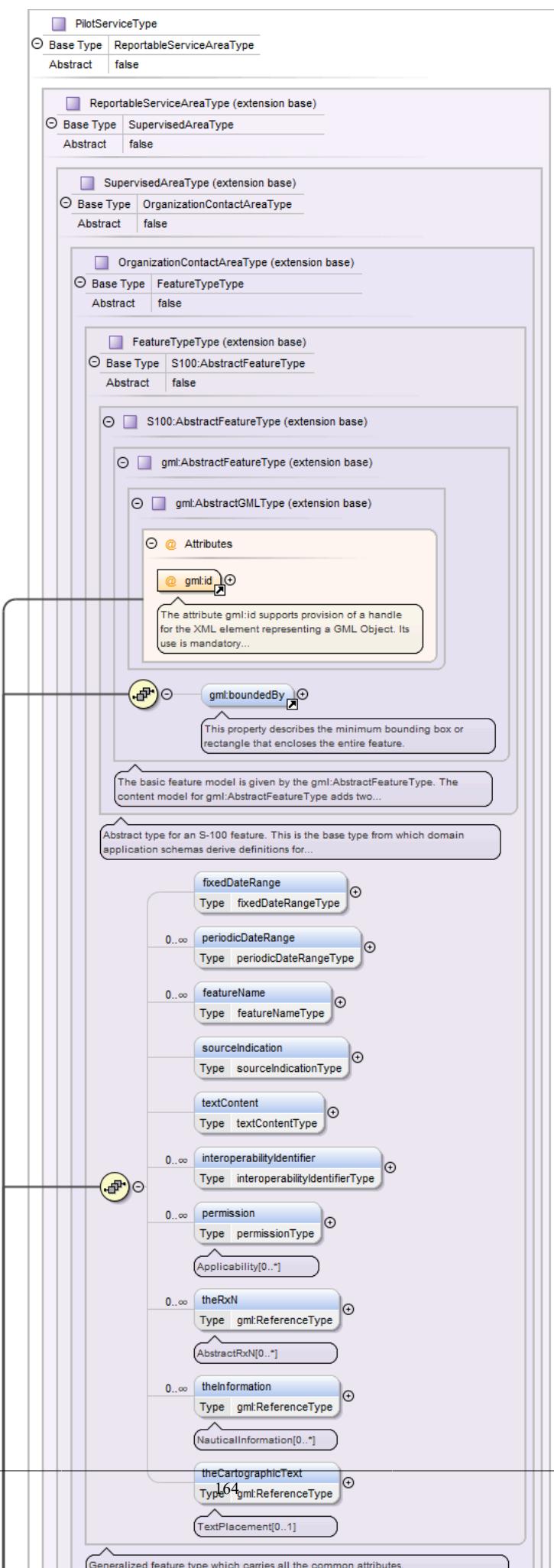


Type	PilotBoardingPlaceType									
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • PilotBoardingPlaceType 									
Properties	content: complex									
Used by	Element Group MemberObjects									
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , callSign{0,1} , categoryOfPilotBoardingPlace{0,1} , categoryOfPreference{0,1} , categoryOfVessel{0,1} , communicationChannel* , destination{0,1} , pilotMovement{0,1} , pilotVessel{0,1} , status* , theCollection{0,1} , serviceProvider* , geometry+									
Children	callSign, categoryOfPilotBoardingPlace, categoryOfPreference, categoryOfVessel, communicationChannel, destination, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, pilotMovement, pilotVessel, serviceProvider, sourceIndication, status, textContent, theCartographicText, theCollection, theContactDetails, theInformation, theRxN									
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> <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	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								
	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.									
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd									

Element PilotService

Namespace	http://www.ihc.int/S127/2.0
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Diagram

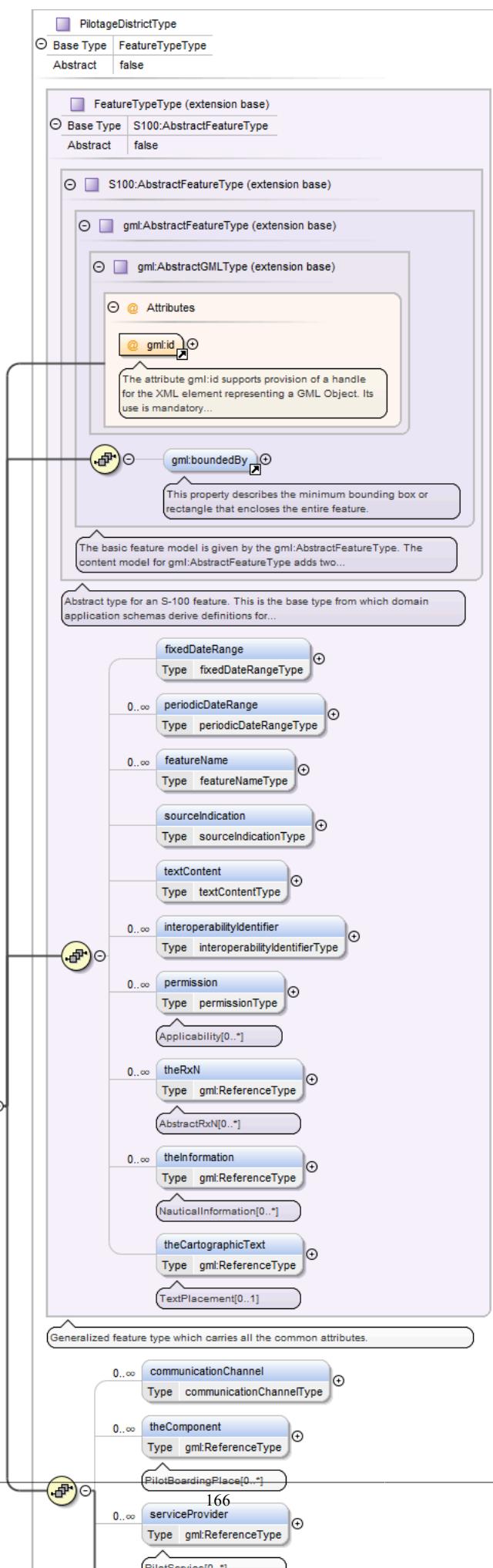


Type	PilotServiceType									
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • ReportableServiceAreaType • PilotServiceType 									
Properties	content: complex									
Used by	Element Group MemberObjects									
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , reptForTrafficServ* , categoryOfPilot* , pilotQualification{0,1} , pilotRequest{0,1} , remotePilot , noticeTime{0,1} , theServiceHours{0,1} , serviceArea* , geometry+									
Children	categoryOfPilot, controlAuthority, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, noticeTime, periodicDateRange, permission, pilotQualification, pilotRequest, remotePilot, reptForTrafficServ, serviceArea, sourceIndication, textContent, theCartographicText, theContactDetails, theInformation, theRxN, theServiceHours									
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> <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	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								
	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.									
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd									

Element PilotageDistrict

Namespace	http://www.ihc.int/S127/2.0
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Diagram

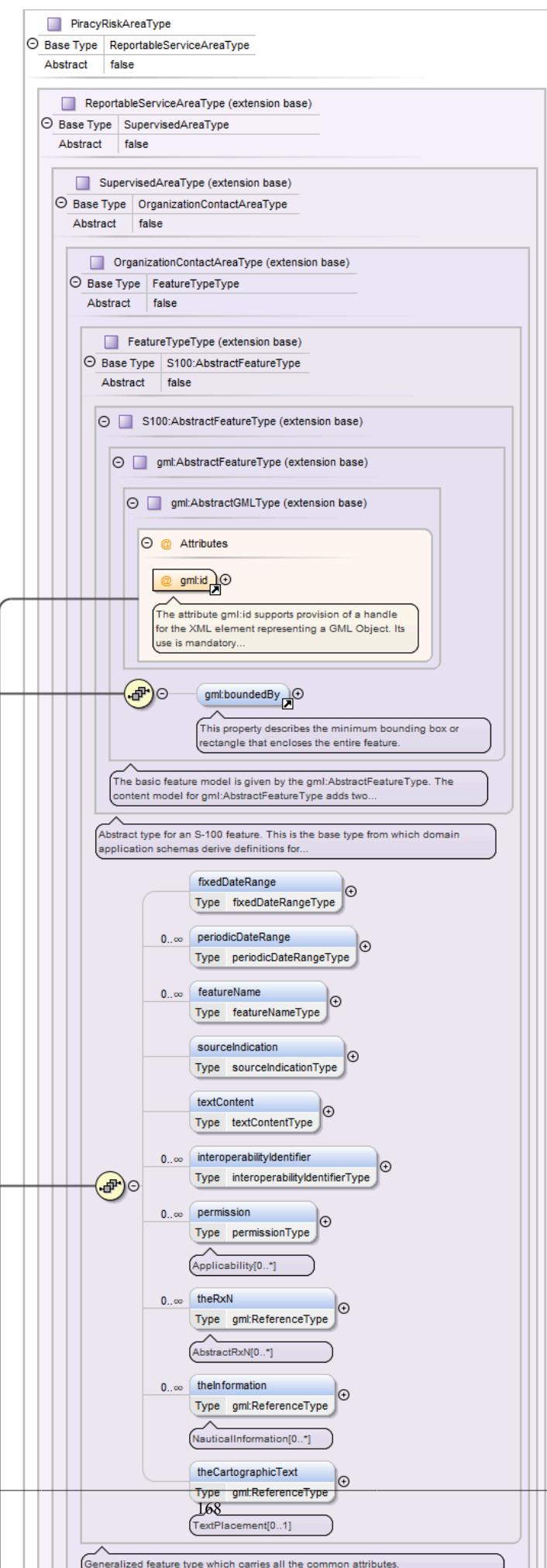


Type	PilotageDistrictType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • PilotageDistrictType 														
Properties	content: complex														
Used by	Element Group MemberObjects														
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , communicationChannel* , theComponent* , serviceProvider* , geometry+														
Children	communicationChannel, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, serviceProvider, sourceIndication, textContent, theCartographicText, theComponent, theInformation, theRxN														
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> <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		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													
	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.														
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd														

Element PiracyRiskArea

Namespace	http://www.ihc.int/S127/2.0
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Diagram

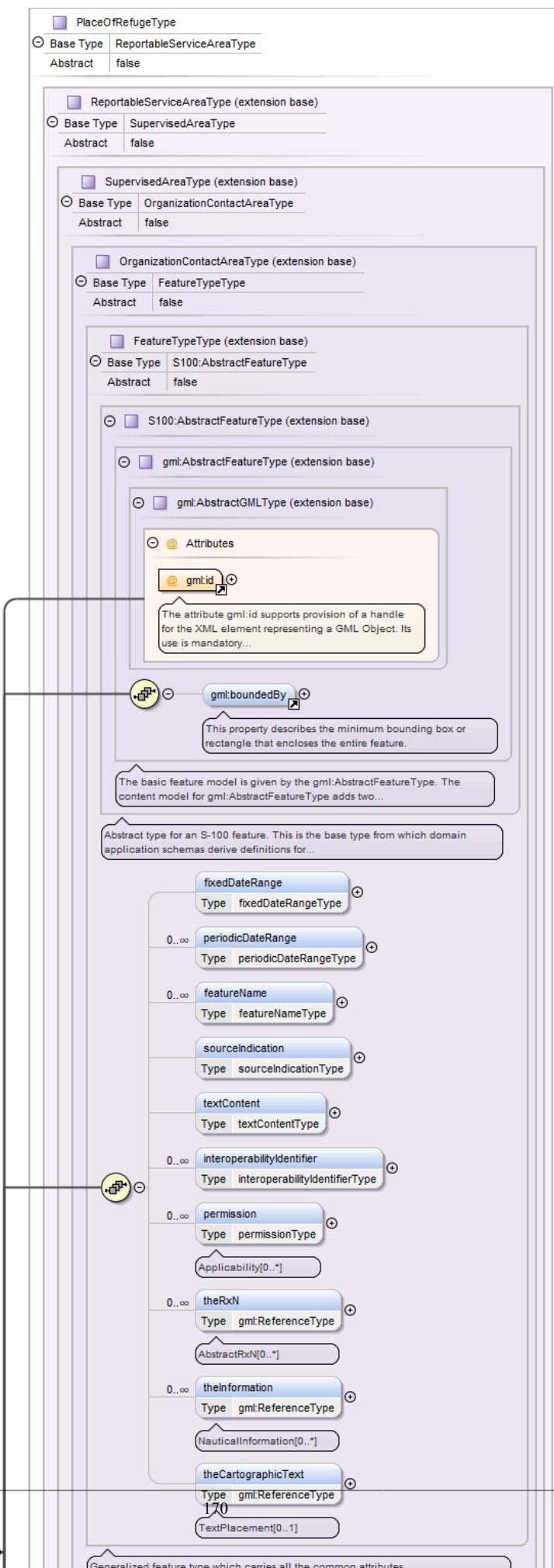


Type	PiracyRiskAreaType											
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • ReportableServiceAreaType • PiracyRiskAreaType 											
Properties	content: complex											
Used by	Element Group MemberObjects											
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , reptForTrafficServ* , restriction* , status* , geometry+											
Children	controlAuthority, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, reptForTrafficServ, restriction, sourceIndication, status, textContent, theCartographicText, theContactDetails, theInformation, theRxN											
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> <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	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										
	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.											
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd											

Element PlaceOfRefuge

Namespace	http://www.ihc.int/S127/2.0
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Diagram

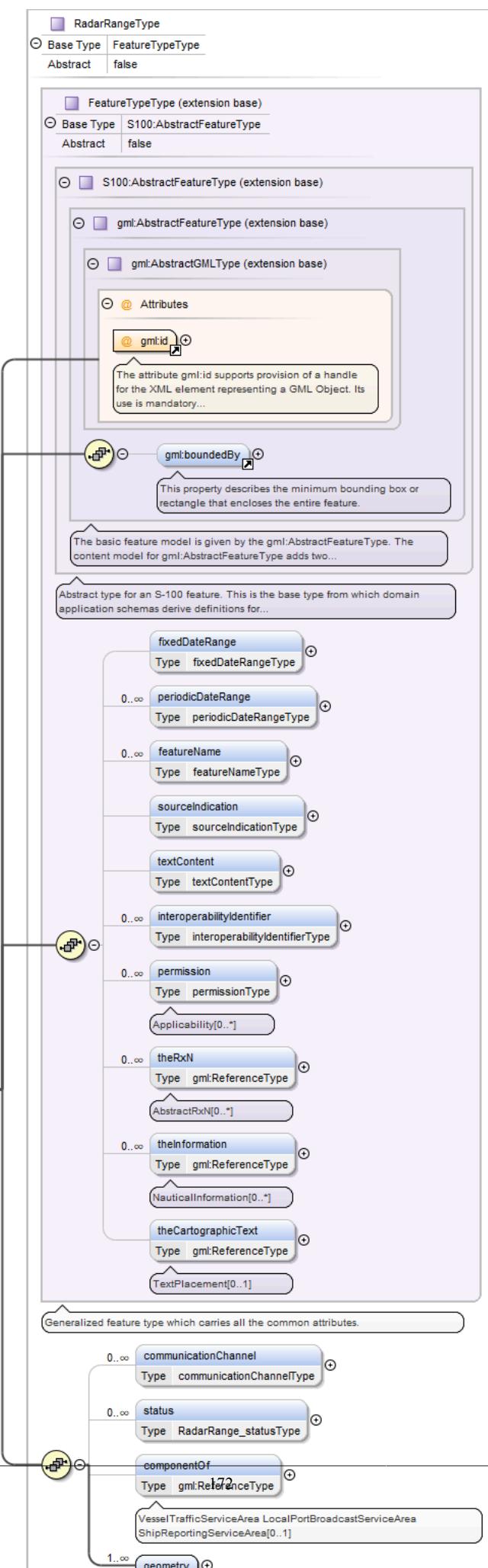


Type	PlaceOfRefugeType											
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • ReportableServiceAreaType • PlaceOfRefugeType 											
Properties	content: complex											
Used by	Element Group MemberObjects											
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , reptForTrafficServ* , communicationChannel* , status* , geometry+											
Children	communicationChannel, controlAuthority, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, reptForTrafficServ, sourceIndication, status, textContent, theCartographicText, theContactDetails, theInformation, theRxN											
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> <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	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										
	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.											
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd											

Element RadarRange

Namespace	http://www.ihc.int/S127/2.0
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Diagram

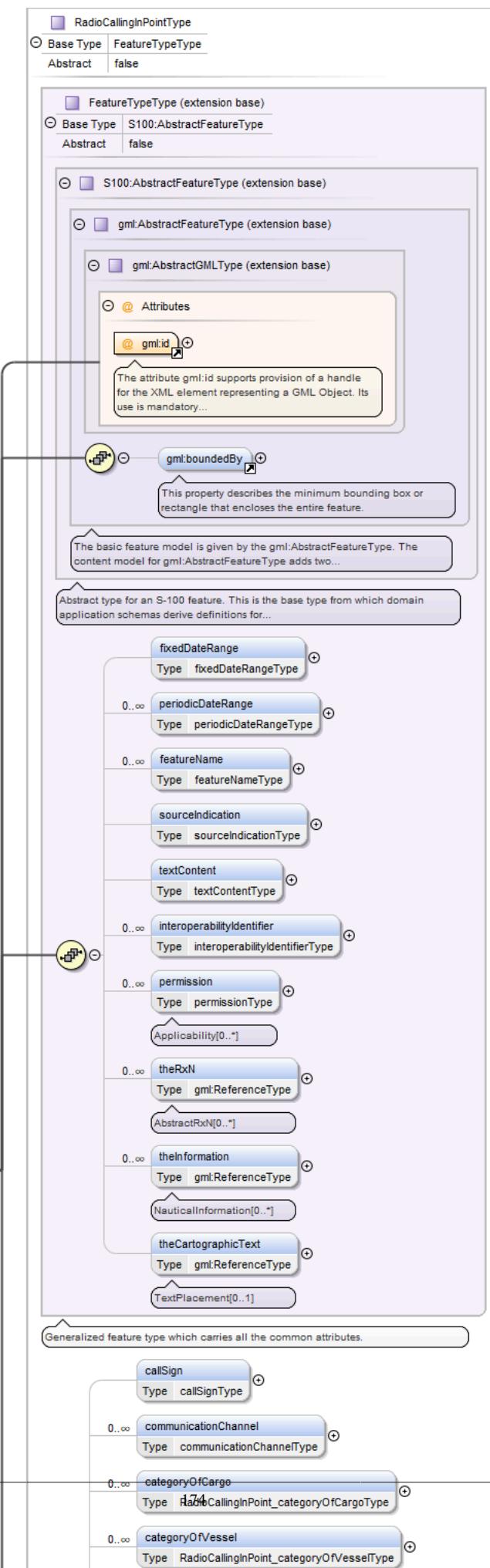


Type	RadarRangeType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • RadarRangeType 										
Properties	content: complex										
Used by	Element Group MemberObjects										
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , communicationChannel* , status* , componentOf{0,1} , geometry+										
Children	communicationChannel, componentOf, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, sourceIndication, status, textContent, theCartographicText, theInformation, theRxN										
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									
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd										

Element RadioCallingInPoint

Namespace	http://www.ihc.int/S127/2.0
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Diagram

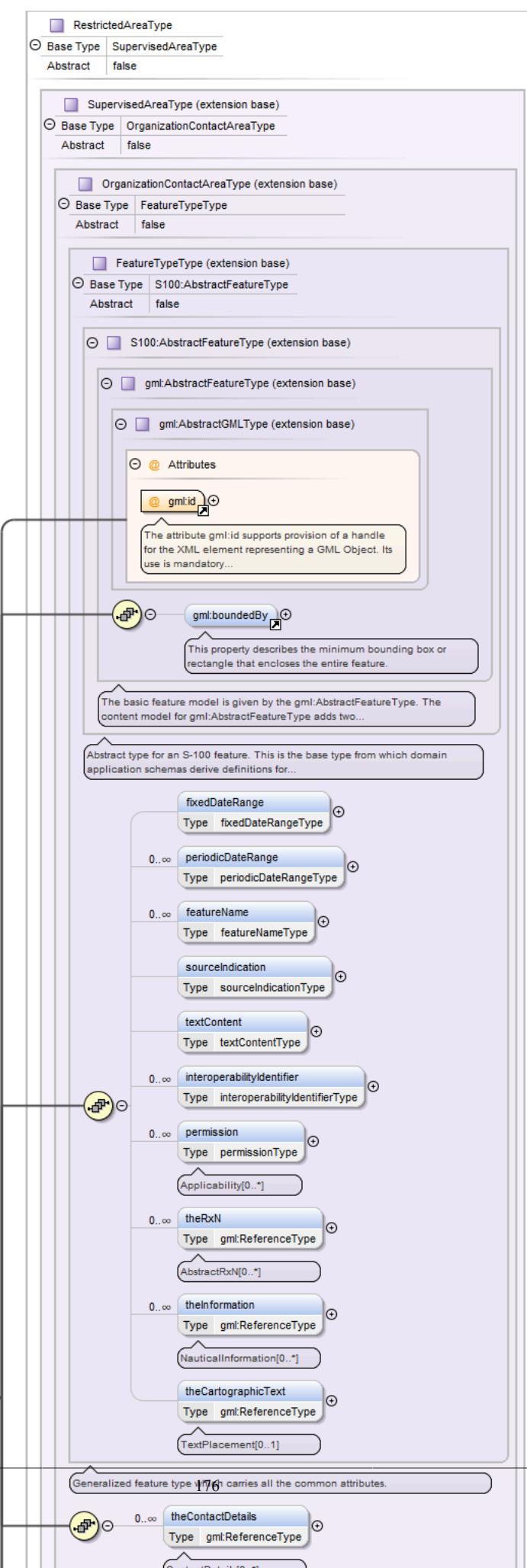


Type	RadioCallingInPointType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • RadioCallingInPointType 														
Properties	content: complex														
Used by	Element Group MemberObjects														
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , callSign{0,1} , communicationChannel* , categoryOfCargo* , categoryOfVessel* , orientationValue{0,2} , status* , trafficFlow , componentOf{0,1} , geometry+														
Children	callSign, categoryOfCargo, categoryOfVessel, communicationChannel, componentOf, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, orientationValue, periodicDateRange, permission, sourceIndication, status, textContent, theCartographicText, theInformation, theRxN, trafficFlow														
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> <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		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													
	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.														
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd														

Element RestrictedArea

Namespace	http://www.ihc.int/S127/2.0
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Diagram

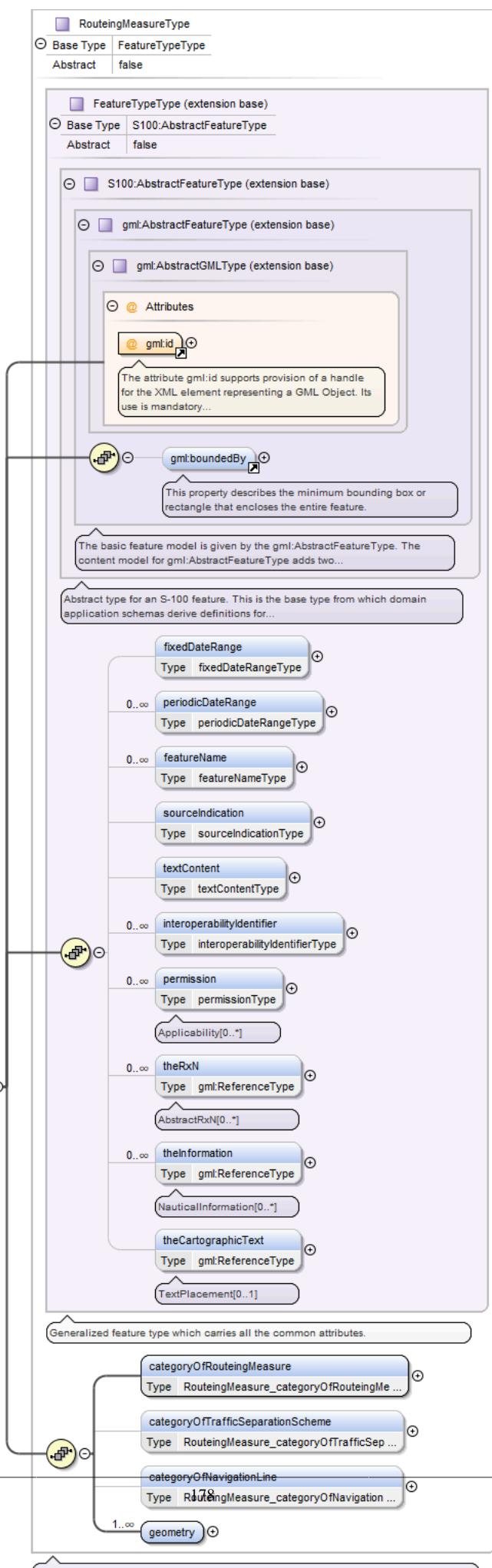


Type	RestrictedAreaType								
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • RestrictedAreaType 								
Properties	content: complex								
Used by	Element Group MemberObjects								
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , categoryOfRestrictedArea* , restriction+ , status* , geometry+								
Children	categoryOfRestrictedArea, controlAuthority, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, restriction, sourceIndication, status, textContent, theCartographicText, theContactDetails, theInformation, theRxN								
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>gml:id</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	gml:id	ID	required		
QName	Type	Use							
gml:id	ID	required							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Element RouteingMeasure

Namespace	http://www.ihc.int/S127/2.0
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Diagram

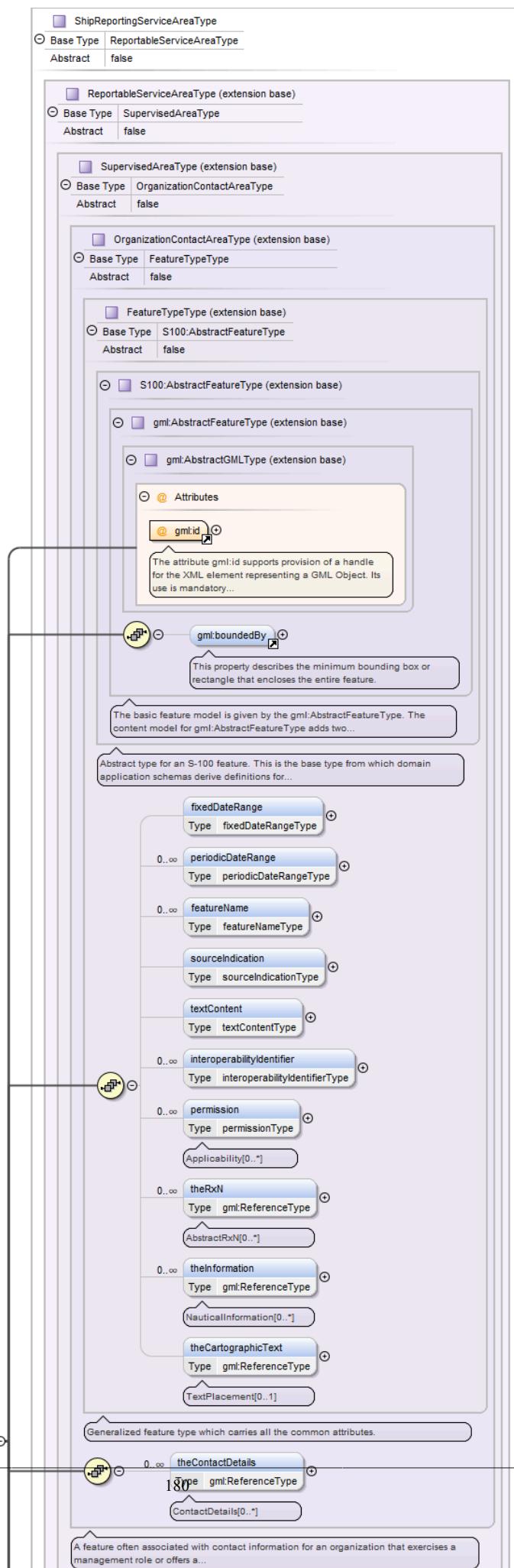


Type	RouteingMeasureType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • RouteingMeasureType 										
Properties	content: complex										
Used by	Element Group MemberObjects										
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , categoryOfRouteingMeasure , categoryOfTrafficSeparationScheme{0,1} , categoryOfNavigationLine{0,1} , geometry+										
Children	categoryOfNavigationLine, categoryOfRouteingMeasure, categoryOfTrafficSeparationScheme, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, sourceIndication, textContent, theCartographicText, theInformation, theRxN										
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		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									
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd										

Element **ShipReportingServiceArea**

Namespace	http://www.ihc.int/S127/2.0
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Diagram

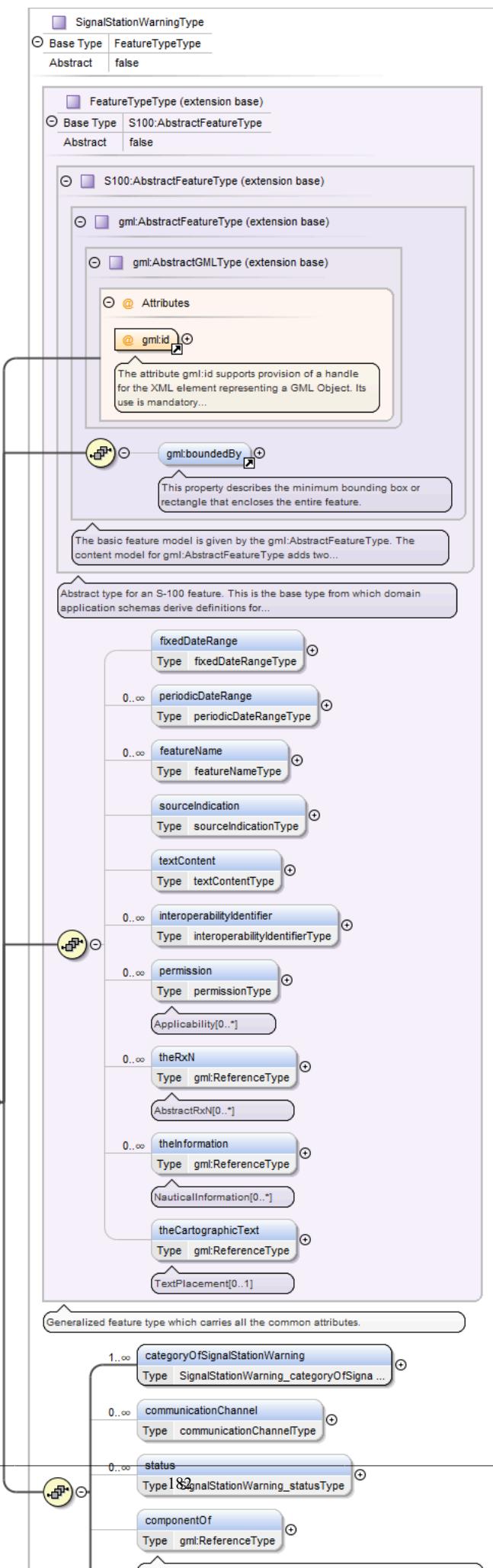


Type	ShipReportingServiceAreaType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • ReportableServiceAreaType • ShipReportingServiceAreaType 														
Properties	content: complex														
Used by	Element Group MemberObjects														
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , reptForTrafficServ* , serviceAccessProcedure{0,1} , requirementsForMaintenanceOfListeningWatch , consistsOf* , geometry+														
Children	consistsOf, controlAuthority, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, reptForTrafficServ, requirementsForMaintenanceOfListeningWatch, serviceAccessProcedure, sourceIndication, textContent, theCartographicText, theContactDetails, theInformation, theRxN														
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> <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		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													
	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.														
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd														

Element SignalStationWarning

Namespace	http://www.ihc.int/S127/2.0
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Diagram

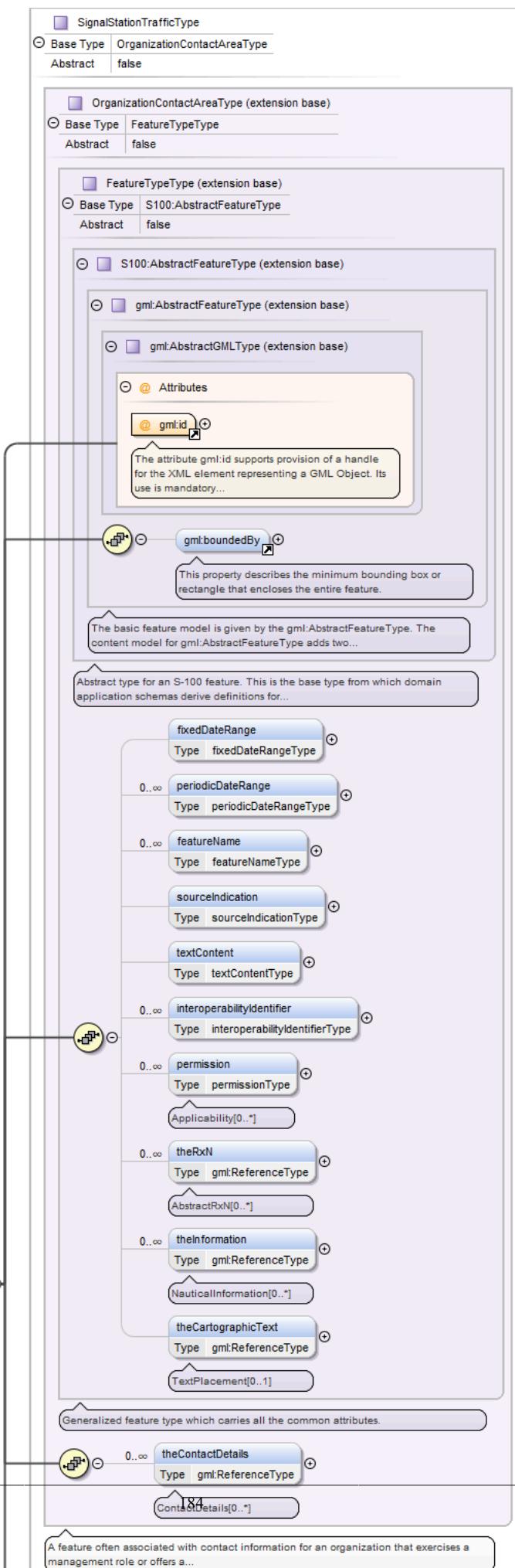


Type	SignalStationWarningType												
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • SignalStationWarningType 												
Properties	content: complex												
Used by	Element Group MemberObjects												
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , categoryOfSignalStationWarning+ , communicationChannel* , status* , componentOf{0,1} , geometry+												
Children	categoryOfSignalStationWarning, communicationChannel, componentOf, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, sourceIndication, status, textContent, theCartographicText, theInformation, theRxN												
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> <tr> <td></td> <td colspan="3" style="text-align: center;">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		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											
	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.												
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd												

Element **SignalStationTraffic**

Namespace	http://www.ihc.int/S127/2.0
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Diagram

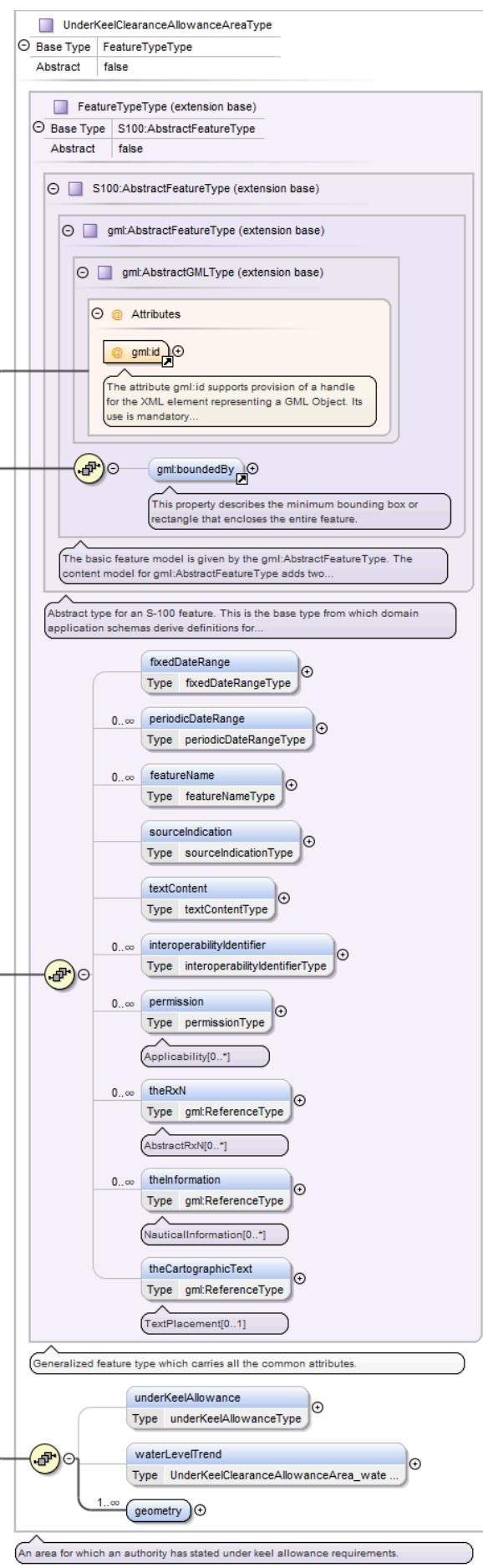


Type	SignalStationTrafficType								
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SignalStationTrafficType 								
Properties	content: complex								
Used by	Element Group MemberObjects								
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , categoryOfSignalStationTraffic+ , communicationChannel* , status* , componentOf{0,1} , geometry+								
Children	categoryOfSignalStationTraffic, communicationChannel, componentOf, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, sourceIndication, status, textContent, theCartographicText, theContactDetails, theInformation, theRxN								
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							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Element UnderKeelClearanceAllowanceArea

Namespace	http://www.ihc.int/S127/2.0
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Diagram

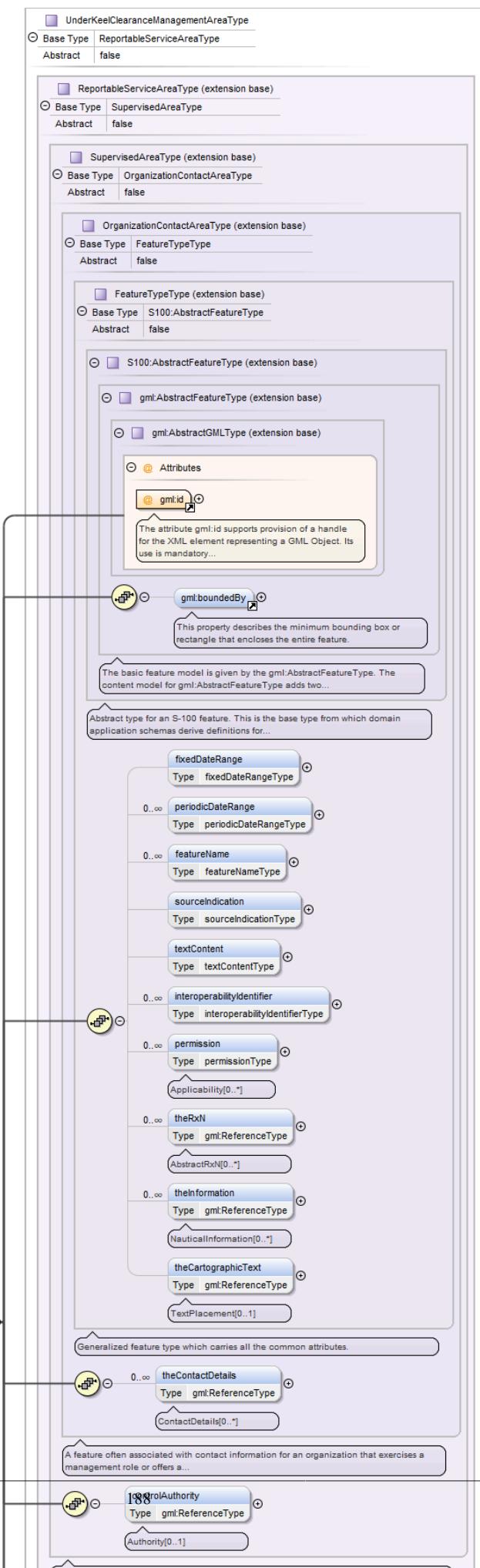


Type	UnderKeelClearanceAllowanceAreaType										
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code> • <code>FeatureTypeType</code> • <code>UnderKeelClearanceAllowanceAreaType</code> 										
Properties	content: complex										
Used by	Element Group MemberObjects										
Model	<code>gml:boundedBy{0,1}</code> , <code>fixedDateRange{0,1}</code> , <code>periodicDateRange*</code> , <code>featureName*</code> , <code>sourceIndication{0,1}</code> , <code>textContent{0,1}</code> , <code>interoperabilityIdentifier*</code> , <code>permission*</code> , <code>theRxN*</code> , <code>theInformation*</code> , <code>theCartographicText{0,1}</code> , <code>underKeelAllowance{0,1}</code> , <code>waterLevelTrend{0,1}</code> , <code>geometry+</code>										
Children	featureName, fixedDateRange, geometry, <code>gml:boundedBy</code> , interoperabilityIdentifier, periodicDateRange, permission, sourceIndication, textContent, theCartographicText, theInformation, theRxN, underKeelAllowance, waterLevelTrend										
Attributes	<table border="1"> <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> <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									
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd										

Element UnderKeelClearanceManagementArea

Namespace	http://www.ihc.int/S127/2.0
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Diagram

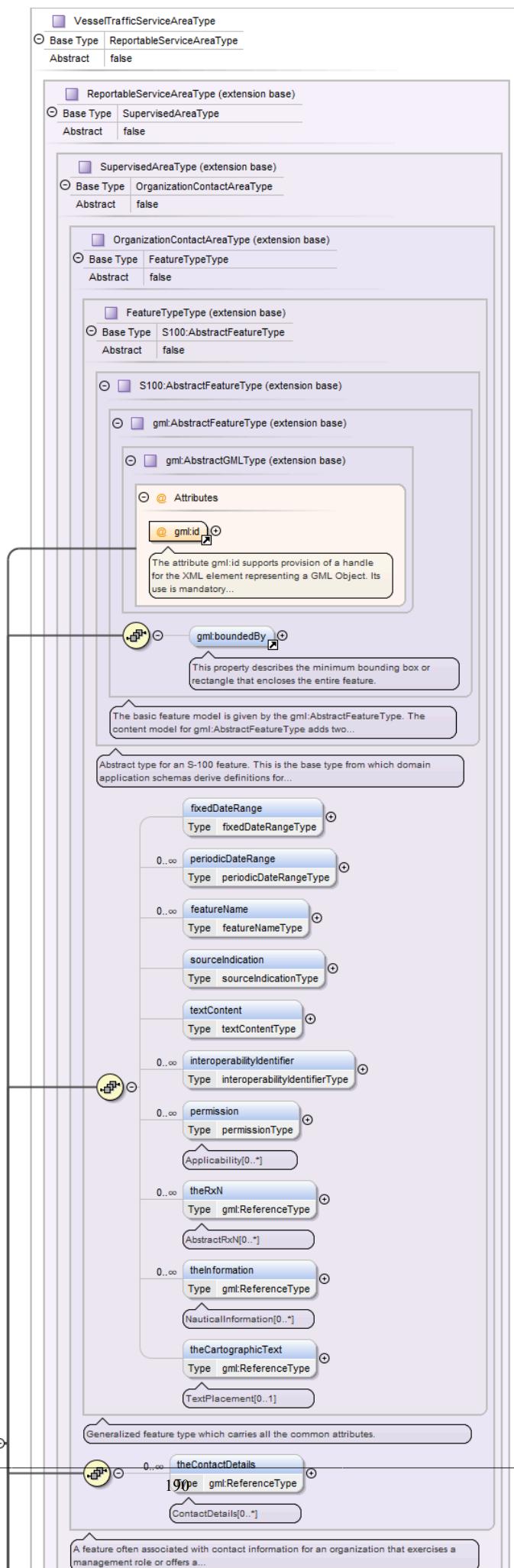


Type	UnderKeelClearanceManagementAreaType											
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • ReportableServiceAreaType • UnderKeelClearanceManagementAreaType 											
Properties	content: complex											
Used by	Element Group MemberObjects											
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , reptForTrafficServ* , dynamicResource , geometry+											
Children	controlAuthority, dynamicResource, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, reptForTrafficServ, sourceIndication, textContent, theCartographicText, theContactDetails, theInformation, theRxN											
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> <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	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										
	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.											
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd											

Element **VesselTrafficServiceArea**

Namespace	http://www.ihc.int/S127/2.0
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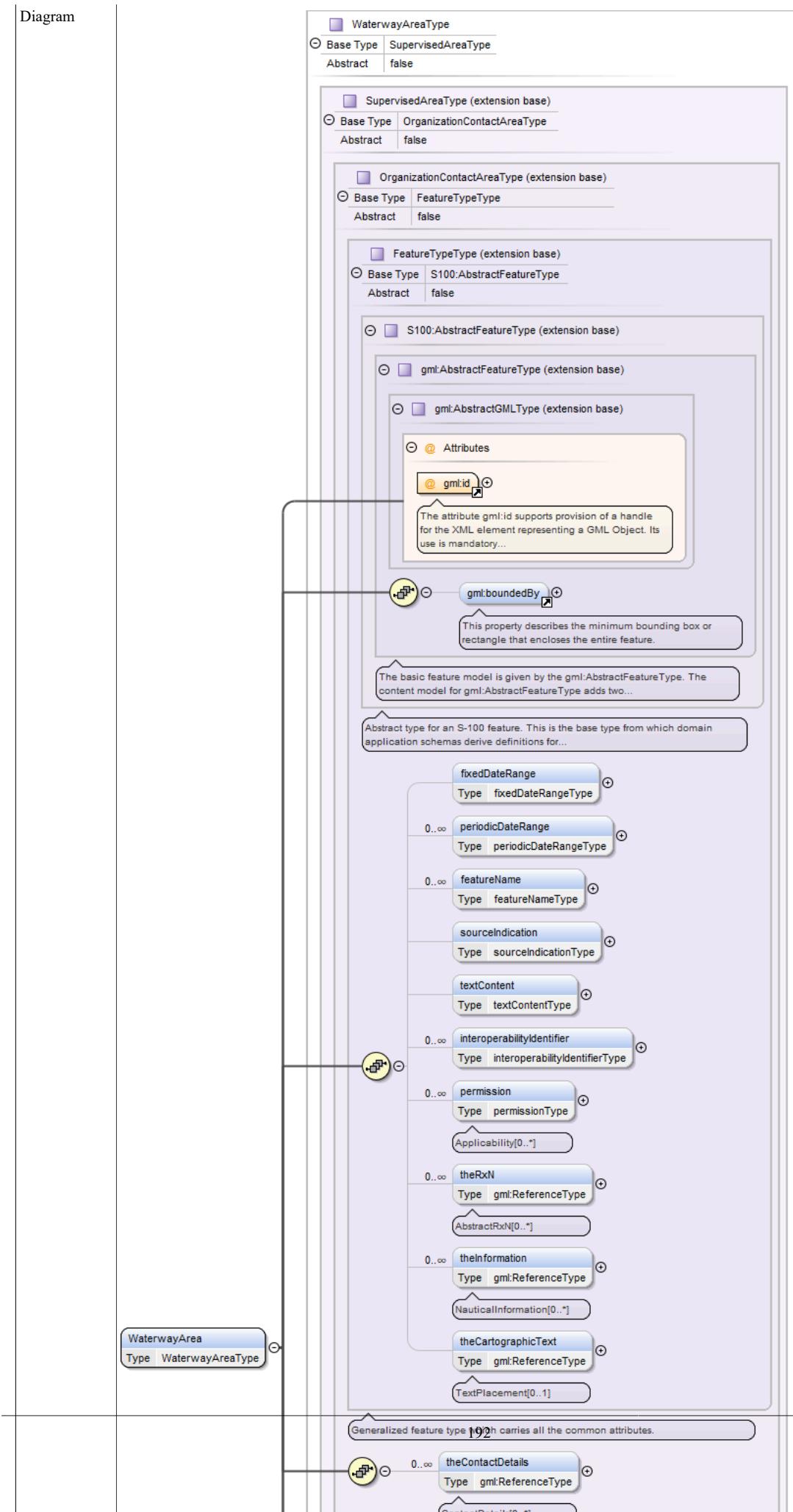
Diagram



Type	VesselTrafficServiceAreaType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • ReportableServiceAreaType • VesselTrafficServiceAreaType 														
Properties	content: complex														
Used by	Element Group MemberObjects														
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , reptForTrafficServ* , serviceAccessProcedure{0,1} , requirementsForMaintenanceOfListeningWatch , consistsOf* , geometry+														
Children	consistsOf, controlAuthority, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, reptForTrafficServ, requirementsForMaintenanceOfListeningWatch, serviceAccessProcedure, sourceIndication, textContent, theCartographicText, theContactDetails, theInformation, theRxN														
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> <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		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													
	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.														
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd														

Element WaterwayArea

Namespace	http://www.ihc.int/S127/2.0
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Type	WaterwayAreaType								
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • WaterwayAreaType 								
Properties	content: complex								
Used by	Element Group MemberObjects								
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , dynamicResource , siltationRate{0,1} , status* , geometry+								
Children	controlAuthority, dynamicResource, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, siltationRate, sourceIndication, status, textContent, theCartographicText, theContactDetails, theInformation, theRxN								
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>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							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Element DataCoverage

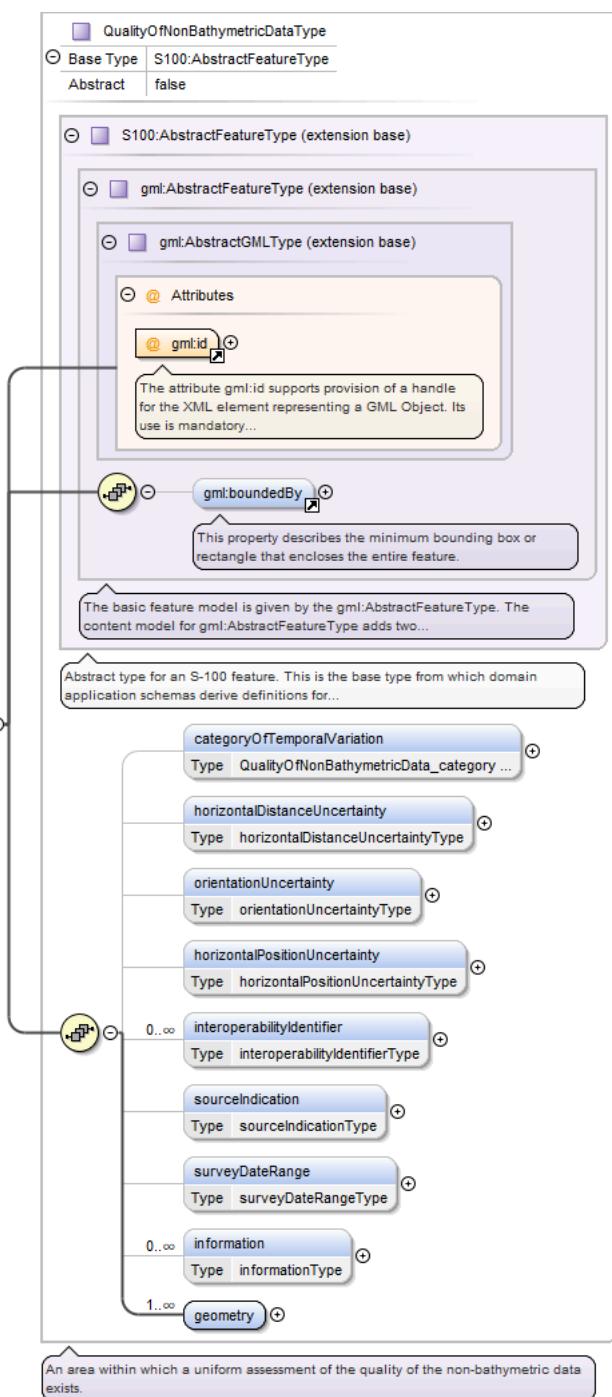
Namespace	http://www.ihc.int/S127/2.0
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Diagram	<pre> classDiagram class DataCoverageType { <<DataCoverage>> Type DataCoverageType } class S100AbstractFeatureType { <<S100:AbstractFeatureType (extension base)>> Base Type S100:AbstractFeatureType Abstract false } class gmlAbstractFeatureType { <<gml:AbstractFeatureType (extension base)>> Base Type gml:AbstractFeatureType Abstract false } class gmlAbstractGMLType { <<gml:AbstractGMLType (extension base)>> Base Type gml:AbstractGMLType Abstract false } DataCoverageType --> S100AbstractFeatureType S100AbstractFeatureType --> gmlAbstractFeatureType gmlAbstractFeatureType --> gmlAbstractGMLType gmlAbstractFeatureType @gml:id gmlAbstractFeatureType gml:boundedBy </pre>									
Type	DataCoverageType									
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • DataCoverageType 									
Properties	content: complex									
Used by	Element Group MemberObjects									
Model	gml:boundedBy{0,1} , interoperabilityIdentifier* , maximumDisplayScale , minimumDisplayScale , geometry+									
Children	geometry, gml:boundedBy, interoperabilityIdentifier, maximumDisplayScale, minimumDisplayScale									
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> <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 occurs.</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								
		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.								
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd									

Element QualityOfNonBathymetricData

Namespace	http://www.ihc.int/S127/2.0
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Diagram



Type	<code>QualityOfNonBathymetricDataType</code>	
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code> • <code>QualityOfNonBathymetricDataType</code> 	
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>orientationUncertainty{0,1}</code> , <code>horizontalPositionUncertainty{0,1}</code> , <code>interoperabilityIdentifier*</code> , <code>sourceIndication{0,1}</code> , <code>surveyDateRange{0,1}</code> , <code>information*</code> , <code>geometry+</code>	

Children	categoryOfTemporalVariation, geometry, gml:boundedBy, horizontalDistanceUncertainty, horizontalPositionUncertainty, information, interoperabilityIdentifier, orientationUncertainty, sourceIndication, surveyDateRange		
Attributes	QName gml:id	Type ID	Use required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Element TextPlacement

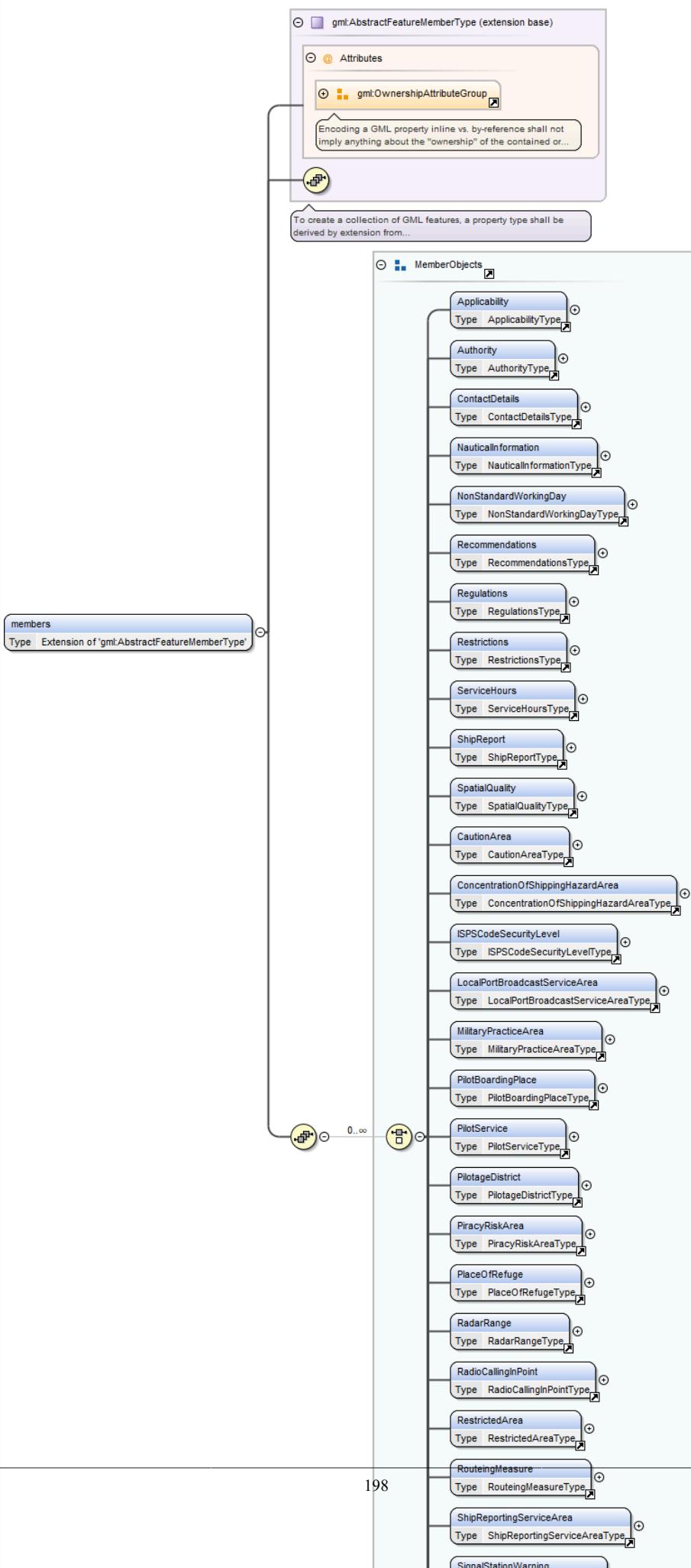
Namespace	http://www.ihoint/S127/2.0
Diagram	<pre> classDiagram class TextPlacementType { <<TextPlacement>> <<TextPlacementType>> } class S100_AbstractFeatureType { <<AbstractFeatureType>> <<S100_AbstractFeatureType>> <<Abstract>> <<false>> } class gml_AbstractFeatureType { <<AbstractFeatureType>> <<gml_AbstractFeatureType>> } class gml_AbstractGMLType { <<AbstractGMLType>> <<gml_AbstractGMLType>> } TextPlacementType < -- S100_AbstractFeatureType S100_AbstractFeatureType < -- gml_AbstractFeatureType gml_AbstractFeatureType < -- gml_AbstractGMLType TextPlacementType "1..2" --> "1..1" gml_boundedBy : gml_boundedByType TextPlacementType "1..2" --> "1..1" textOffsetBearing : textOffsetBearingType TextPlacementType "1..2" --> "1..1" textOffsetDistance : textOffsetDistanceType TextPlacementType "1..2" --> "1..1" textRotation : textRotationType TextPlacementType "1..2" --> "1..1" textType : TextPlacement_textTypeType TextPlacementType "1..2" --> "1..1" scaleMinimum : scaleMinimumType TextPlacementType "1..2" --> "1..1" thePositionProvider : gmlReferenceType TextPlacementType "1..oo" --> "1..1" geometry : geometryType </pre>
Type	TextPlacementType

Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code> • <code>TextPlacementType</code> 										
Properties	content: complex										
Used by	Element Group MemberObjects										
Model	<code>gml:boundedBy{0,1}</code> , <code>textOffsetBearing</code> , <code>textOffsetDistance</code> , <code>textRotation{0,1}</code> , <code>textType{1,2}</code> , <code>scaleMinimum{0,1}</code> , <code>thePositionProvider</code> , <code>geometry+</code>										
Children	geometry, <code>gml:boundedBy</code> , <code>scaleMinimum</code> , <code>textOffsetBearing</code> , <code>textOffsetDistance</code> , <code>textRotation</code> , <code>textType</code> , <code>thePositionProvider</code>										
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">QName</th> <th style="text-align: left;">Type</th> <th style="text-align: left;">Use</th> <th style="text-align: left;"></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									
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd										

Element `ThisDatasetType / members`

Namespace	http://www.ihc.int/S127/2.0
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Diagram

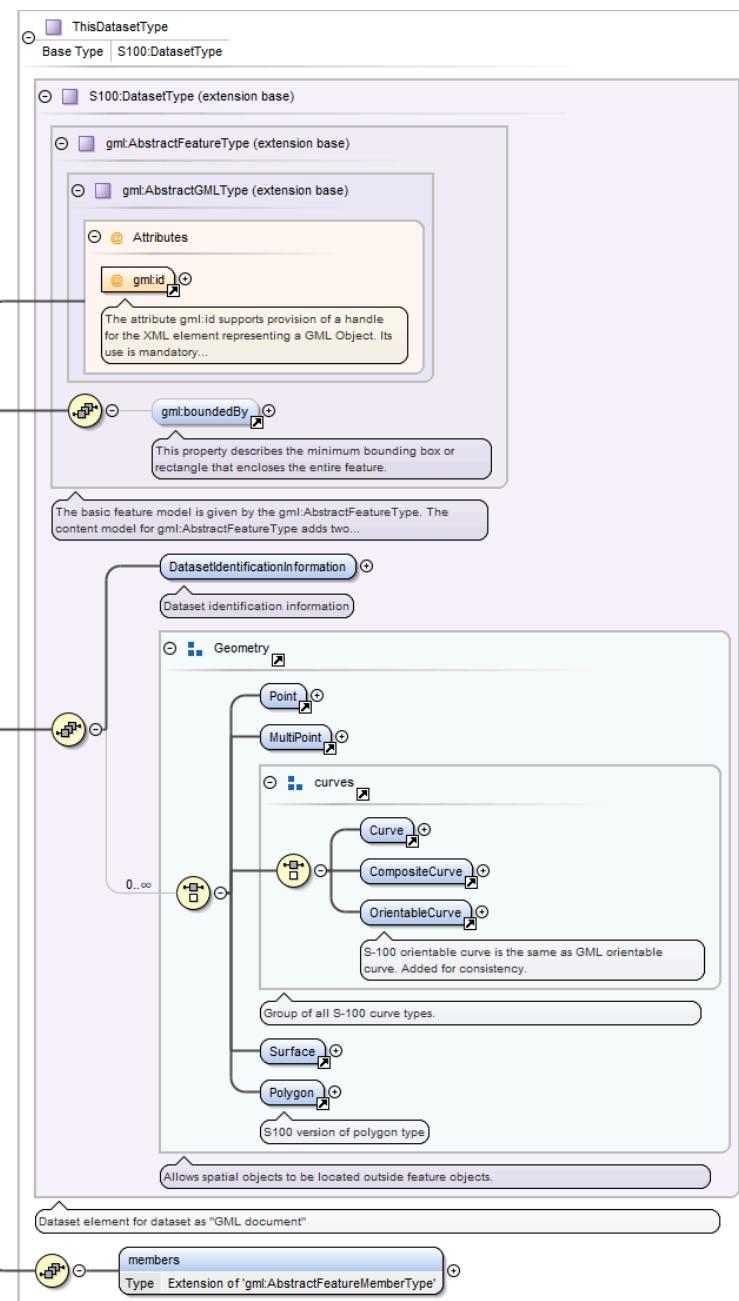


Type	extension of <code>gml:AbstractFeatureMemberType</code>													
Type hierarchy	<ul style="list-style-type: none"> <code>gml:AbstractFeatureMemberType</code> 													
Properties	content: <code>complex</code>													
Model	<code>(Applicability Authority ContactDetails NauticalInformation NonStandardWorkingDay Recommendations Regulations Restrictions ServiceHours ShipReport SpatialQuality CautionArea ConcentrationOfShippingHazardArea ISPSCodeSecurityLevel LocalPortBroadcastServiceArea MilitaryPracticeArea PilotBoardingPlace PilotService PilotageDistrict PiracyRiskArea PlaceOfRefuge RadarRange RadioCallingInPoint RestrictedArea RouteingMeasure ShipReportingServiceArea SignalStationWarning SignalStationTraffic UnderKeelClearanceAllowanceArea UnderKeelClearanceManagementArea VesselTrafficServiceArea WaterwayArea DataCoverage QualityOfNonBathymetricData TextPlacement)</code>													
Children	<code>Applicability, Authority, CautionArea, ConcentrationOfShippingHazardArea, ContactDetails, DataCoverage, ISPSCodeSecurityLevel, LocalPortBroadcastServiceArea, MilitaryPracticeArea, NauticalInformation, NonStandardWorkingDay, PilotBoardingPlace, PilotService, PilotageDistrict, PiracyRiskArea, PlaceOfRefuge, QualityOfNonBathymetricData, RadarRange, RadioCallingInPoint, Recommendations, Regulations, RestrictedArea, Restrictions, RouteingMeasure, ServiceHours, ShipReport, ShipReportingServiceArea, SignalStationTraffic, SignalStationWarning, SpatialQuality, TextPlacement, UnderKeelClearanceAllowanceArea, UnderKeelClearanceManagementArea, VesselTrafficServiceArea, WaterwayArea</code>													
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Default</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td><code>owns</code></td> <td><code>boolean</code></td> <td><code>false</code></td> <td><code>optional</code></td> <td></td> </tr> </tbody> </table>	QName	Type	Default	Use		<code>owns</code>	<code>boolean</code>	<code>false</code>	<code>optional</code>				
QName	Type	Default	Use											
<code>owns</code>	<code>boolean</code>	<code>false</code>	<code>optional</code>											
Schema location	<code>file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd</code>													

Element Dataset

Namespace	<code>http://www.ihc.int/S127/2.0</code>
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Diagram



Type	ThisDatasetType		
Type hierarchy	<ul style="list-style-type: none"> <code>gml:AbstractGMLType</code> <code>gml:AbstractFeatureType</code> <code>DatasetType</code> <code>ThisDatasetType</code> 		
Properties	content: complex		
Model	<code>gml:boundedBy{0,1}</code> , <code>DatasetIdentificationInformation</code> , (<code>Point</code> <code>MultiPoint</code> <code>Curve</code> <code>CompositeCurve</code> <code>OrientableCurve</code> <code>Surface</code> <code>Polygon</code>) , <code>members</code>		
Children	CompositeCurve, Curve, DatasetIdentificationInformation, MultiPoint, OrientableCurve, Point, Polygon, Surface, <code>gml:boundedBy</code> , <code>members</code>		
Attributes	QName	Type	Use
	<code>gml:id</code>	ID	required
	The attribute <code>gml:id</code> supports provision of a handle for the XML element		

	QName	Type	Use
			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.
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type(s)

Simple Type codelistTypeType

Namespace	http://www.ihc.int/S127/2.0		
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	enumeration	openEnumeration	Open enumeration
	enumeration	openDictionary	Open dictionary
	enumeration	closedDictionary	Closed Dictionary
Used by	Attributes	actionOrActivityType/@codelistType, categoryOfRxNType/@codelistType, categoryOfVesselType/@codelistType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type extraLabelType

Namespace	http://www.ihc.int/S127/2.0		
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].*\\$)	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type extraValueType

Namespace	http://www.ihc.int/S127/2.0		
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, categoryOfRxNType/@otherValue, categoryOfVesselType/@otherValue	

Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd
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Simple Type administrativeDivisionType

Namespace	http://www.oho.int/S127/2.0
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 { <<A generic term for an administrative region within a country at a level below that of the sovereign state.>> } class xs:string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } administrativeDivisionType "1" -- "1" xs:string </pre>
Type	xs:string
Used by	Element contactAddressType/administrativeDivision
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type applicationProfileType

Namespace	http://www.oho.int/S127/2.0
Annotations	Name of an application profile that can be used with the online resource.
Diagram	<pre> classDiagram class applicationProfileType { <<Name of an application profile that can be used with the online resource.>> } class xs:string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } applicationProfileType "1" -- "1" xs:string </pre>
Type	xs:string
Used by	Element onlineResourceType/applicationProfile
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type callNameType

Namespace	http://www.oho.int/S127/2.0
Annotations	The designated call name of a station; for example, radio station, radar station, pilot.
Diagram	<pre> classDiagram class callNameType { <<The designated call name of a station; for example, radio station, radar station, pilot.>> } class xs:string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } callNameType "1" -- "1" xs:string </pre>
Type	xs:string
Used by	Element ContactDetailsType/callName
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type callSignType

Namespace	http://www.oho.int/S127/2.0
Annotations	The designated call-sign of a station (radio station, radar station, pilot, ...).
Diagram	<pre> classDiagram class callSignType { <<The designated call-sign of a station (radio station, radar station, pilot, ...).>> } class xs:string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } callSignType "1" -- "1" xs:string </pre>
Type	xs:string
Used by	Elements ContactDetailsType/callSign, PilotBoardingPlaceType/callSign, RadioCallingInPointType/callSign
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type cardinalDirectionLabel

Namespace	http://www.oho.int/S127/2.0
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Annotations	Principal and intermediate compass points.																																																	
Diagram		<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Principal and intermediate compass points. </div> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> Built-in primitive type. The string datatype represents character strings in XML. </div>																																																
Type	restriction of xs:string																																																	
Facets	<table border="1" style="width: 100%; border-collapse: collapse;"> <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> <tr><td>enumeration</td><td>East</td><td>5: 078.75-101.25 degrees.</td></tr> <tr><td>enumeration</td><td>East Southeast</td><td>6: 101.25-123.75 degrees.</td></tr> <tr><td>enumeration</td><td>Southeast</td><td>7: 123.75-146.25 degrees.</td></tr> <tr><td>enumeration</td><td>South Southeast</td><td>8: 146.25-168.75 degrees.</td></tr> <tr><td>enumeration</td><td>South</td><td>9: 168.75-191.25 degrees.</td></tr> <tr><td>enumeration</td><td>South Southwest</td><td>10: 191.25-213.75 degrees.</td></tr> <tr><td>enumeration</td><td>Southwest</td><td>11: 213.75-236.25 degrees.</td></tr> <tr><td>enumeration</td><td>West Southwest</td><td>12: 236.25-258.75 degrees.</td></tr> <tr><td>enumeration</td><td>West</td><td>13: 258.75-281.25 degrees.</td></tr> <tr><td>enumeration</td><td>West Northwest</td><td>14: 281.25-303.75 degrees.</td></tr> <tr><td>enumeration</td><td>Northwest</td><td>15: 303.75 - 326.25 degrees.</td></tr> <tr><td>enumeration</td><td>North Northwest</td><td>16: 326.25 - 348.75 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	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.
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Used by	Complex Type	cardinalDirectionType																																																
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																																																	

Simple Type cardinalDirectionCode

Namespace	http://www.ihc.int/S127/2.0	
Annotations	Principal and intermediate compass points.	
Diagram		<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Principal and intermediate compass points. </div> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This... </div>
Type	restriction of xs:integer	
Facets	enumeration	348.75-011.25 degrees (true north).
	enumeration	011.25 - 033.75 degrees.
	enumeration	033.75 - 056.25 degrees.
	enumeration	056.25-078.75 degrees.
	enumeration	078.75-101.25 degrees.
	enumeration	101.25-123.75 degrees.
	enumeration	123.75-146.25 degrees.
	enumeration	146.25-168.75 degrees.
	enumeration	168.75-191.25 degrees.
	enumeration	191.25-213.75 degrees.
	enumeration	213.75-236.25 degrees.
	enumeration	236.25-258.75 degrees.
	enumeration	258.75-281.25 degrees.
	enumeration	281.25-303.75 degrees.
	enumeration	303.75 - 326.25 degrees.
	enumeration	326.25 - 348.75 degrees.

Used by	Attribute	cardinalDirectionType/@code
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type bearingInformation_cardinalDirectionLabel

Namespace	http://www.ihc.int/S127/2.0																																	
Annotations	Restricted values of bearingInformation/cardinalDirection																																	
Diagram	<p>The diagram shows a UML class named 'bearingInformation_cardinalDirectionLabel' with a multiplicity of 0..1. It has a directed association labeled 'xs:string' pointing to another class. A callout box indicates that 'xs:string' is a built-in primitive type representing character strings in XML.</p>																																	
Type	restriction of xs:string																																	
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Used by	Complex Type	bearingInformation_cardinalDirectionType																																
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																																	

Simple Type bearingInformation_cardinalDirectionCode

Namespace	http://www.ihc.int/S127/2.0																															
Annotations	Restricted values of bearingInformation/cardinalDirection																															
Diagram	<p>The diagram shows a UML class named 'bearingInformation_cardinalDirectionCode' with a multiplicity of 0..1. It has a directed association labeled 'xs:integer' pointing to another class. A callout box indicates that 'xs:integer' is a built-in derived type derived from decimal by fixing fractionDigits to 0.</p>																															
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	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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type categoryOfAuthorityLabel

Namespace	http://www.ihc.int/S127/2.0		
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 type of person, government agency or organisation granted powers of managing or controlling access to and/or...</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.

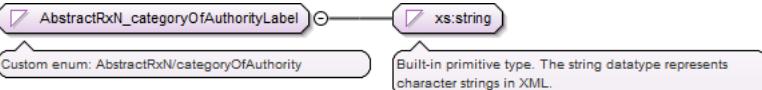
Used by	Complex Type	categoryOfAuthorityType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type categoryOfAuthorityCode

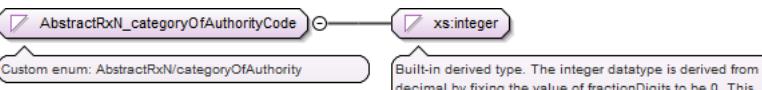
Namespace	http://www.ihodata.org/S127/2.0																																														
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Type	restriction of xs:integer																																														
Facets	<table border="1"> <tr> <td>enumeration</td> <td>2</td> <td>The administration 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> <tr> <td>enumeration</td> <td>5</td> <td>The authority controlling people entering a country.</td> </tr> <tr> <td>enumeration</td> <td>6</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>7</td> <td>Organization keeping watch on shipping and coastal waters according to governmental law; normally the authority with responsibility for search and rescue.</td> </tr> <tr> <td>enumeration</td> <td>8</td> <td>The authority with responsibility for preventing infection of the agriculture of a country and for the protection of the agricultural interests of a country.</td> </tr> <tr> <td>enumeration</td> <td>9</td> <td>A military authority which provides control of access to or approval for transit through designated areas or airspace.</td> </tr> <tr> <td>enumeration</td> <td>10</td> <td>A private or publicly owned company or commercial enterprise which exercises control of facilities, for example a calibration area.</td> </tr> <tr> <td>enumeration</td> <td>11</td> <td>A governmental or military force with jurisdiction in territorial waters. Examples could include Gendarmerie Maritime, Carabinierie, and Guardia Civil.</td> </tr> <tr> <td>enumeration</td> <td>12</td> <td>An authority with responsibility for the protection of the environment.</td> </tr> <tr> <td>enumeration</td> <td>13</td> <td>An authority with responsibility for the control of fisheries.</td> </tr> <tr> <td>enumeration</td> <td>14</td> <td>An authority with responsibility for the control and movement of money.</td> </tr> <tr> <td>enumeration</td> <td>15</td> <td>A national or regional authority charged with administration of maritime affairs.</td> </tr> <tr> <td>enumeration</td> <td>16</td> <td>The agency or establishment for collecting duties, tolls.</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	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.
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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																																														
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																																														

Simple Type AbstractRxN_categoryOfAuthorityLabel

Namespace	http://www.ihodata.org/S127/2.0
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Annotations	Custom enum: AbstractRxN/categoryOfAuthority	
Diagram		
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	AbstractRxN_categoryOfAuthorityType
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type AbstractRxN_categoryOfAuthorityCode

Namespace	http://www.ihc.int/S127/2.0	
Annotations	Custom enum: AbstractRxN/categoryOfAuthority	
Diagram		
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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type Authority_categoryOfAuthorityLabel

Namespace	http://www.ihc.int/S127/2.0	
Annotations	Custom enum: Authority/categoryOfAuthority	
Diagram	<p>Custom enum: Authority/categoryOfAuthority</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</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
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type Authority_categoryOfAuthorityCode

Namespace	http://www.ihc.int/S127/2.0	
Annotations	Custom enum: Authority/categoryOfAuthority	
Diagram	<p>Custom enum: Authority/categoryOfAuthority</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	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	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type sourceIndication_categoryOfAuthorityLabel

Namespace	http://www.ihoint/S127/2.0
Annotations	Restricted values of sourceIndication/categoryOfAuthority
Diagram	<pre> classDiagram class sourceIndication_categoryOfAuthorityLabel { <<Restricted values of sourceIndication/categoryOfAuthority>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } sourceIndication_categoryOfAuthorityLabel "1" -- "1" xsString </pre>
Type	xs:string
Used by	Complex Type sourceIndication_categoryOfAuthorityType
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type sourceIndication_categoryOfAuthorityCode

Namespace	http://www.ihoint/S127/2.0
Annotations	Restricted values of sourceIndication/categoryOfAuthority

Diagram	
Type	xs:integer
Used by	Attribute sourceIndication_categoryOfAuthorityType/@code
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type categoryOfCommunicationPreferenceLabel

Namespace	http://www.oho.int/S127/2.0														
Annotations	Classification of frequencies, VHF channels, telephone numbers, or other means of communication based on preference.														
Diagram															
Type	restriction of xs:string														
Facets	<table border="1"> <tr> <td>enumeration</td> <td>Preferred Calling</td> <td>1: The first choice channel or frequency to be used when calling a radio station.</td> </tr> <tr> <td>enumeration</td> <td>Alternate Calling</td> <td>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.</td> </tr> <tr> <td>enumeration</td> <td>Preferred Working</td> <td>3: The first choice channel or frequency to be used when working with a radio station.</td> </tr> <tr> <td>enumeration</td> <td>Alternate Working</td> <td>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.</td> </tr> </table>			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.
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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														
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd														

Simple Type categoryOfCommunicationPreferenceCode

Namespace	http://www.oho.int/S127/2.0														
Annotations	Classification of frequencies, VHF channels, telephone numbers, or other means of communication based on preference.														
Diagram															
Type	restriction of xs:integer														
Facets	<table border="1"> <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.
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Used by	Attribute categoryOfCommunicationPreferenceType/@code														
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd														

Simple Type ContactDetails_categoryOfCommunicationPreferenceLabel

Namespace	http://www.oho.int/S127/2.0									
Annotations	Custom enum: ContactDetails/categoryOfCommunicationPreference									
Diagram	<pre> classDiagram class ContactDetails_categoryOfCommunicationPreferenceLabel { <<Custom enum: ContactDetails/categoryOfCommunicationPreference>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } ContactDetails_categoryOfCommunicationPreferenceLabel "1" -- "0..1" xs_string </pre>									
Type	restriction of xs:string									
Facets	<table> <tr> <td>enumeration</td> <td>Preferred Calling</td> </tr> <tr> <td>enumeration</td> <td>Alternate Calling</td> </tr> <tr> <td>enumeration</td> <td>Preferred Working</td> </tr> <tr> <td>enumeration</td> <td>Alternate Working</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								
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd									

Simple Type ContactDetails_categoryOfCommunicationPreferenceCode

Namespace	http://www.oho.int/S127/2.0													
Annotations	Custom enum: ContactDetails/categoryOfCommunicationPreference													
Diagram	<pre> classDiagram class ContactDetails_categoryOfCommunicationPreferenceCode { <<Custom enum: ContactDetails/categoryOfCommunicationPreference>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } ContactDetails_categoryOfCommunicationPreferenceCode "1" -- "0..1" xs_integer </pre>													
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.
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Used by	Attribute	ContactDetails_categoryOfCommunicationPreferenceType/@code												
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd													

Simple Type telecommunications_categoryOfCommunicationPreferenceLabel

Namespace	http://www.oho.int/S127/2.0									
Annotations	Restricted values of telecommunications/categoryOfCommunicationPreference									
Diagram	<pre> classDiagram class telecommunications_categoryOfCommunicationPreferenceLabel { <<Restricted values of telecommunications/categoryOfCommunicationPreference>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } telecommunications_categoryOfCommunicationPreferenceLabel "1" -- "0..1" xs_string </pre>									
Type	restriction of xs:string									
Facets	<table> <tr> <td>enumeration</td> <td>Preferred Calling</td> </tr> <tr> <td>enumeration</td> <td>Alternate Calling</td> </tr> <tr> <td>enumeration</td> <td>Preferred Working</td> </tr> <tr> <td>enumeration</td> <td>Alternate Working</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	telecommunications_categoryOfCommunicationPreferenceType								
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd									

Simple Type `telecommunications_categoryOfCommunicationPreferenceCode`

Namespace	http://www.ihc.int/S127/2.0													
Annotations	Restricted values of <code>telecommunications/categoryOfCommunicationPreference</code>													
Diagram	<p>The diagram shows a UML class named <code>telecommunications_categoryOfCommunicationPreferenceCode</code>. It has a single attribute, <code>xs:integer</code>, indicated by a line connecting the class to a box labeled <code>xs:integer</code>. A note below the attribute says: "Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This..."</p>													
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Used by	Attribute <code>telecommunications_categoryOfCommunicationPreferenceType/@code</code>													
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd													

Simple Type `categoryOfCargoLabel`

Namespace	http://www.ihc.int/S127/2.0																																					
Annotations	Classification of the different types of cargo that a ship may be carrying.																																					
Diagram	<p>The diagram shows a UML class named <code>categoryOfCargoLabel</code>. It has a single attribute, <code>xs:string</code>, indicated by a line connecting the class to a box labeled <code>xs:string</code>. A note below the attribute says: "Built-in primitive type. The string datatype represents character strings in XML."</p>																																					
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	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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type categoryOfCargoCode

Namespace	http://www.ihc.int/S127/2.0																																												
Annotations	Classification of the different types of cargo that a ship may be carrying.																																												
Diagram	<pre> classDiagram class categoryOfCargoCode { <<Classification of the different types of cargo that a ship may be carrying.>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } categoryOfCargoCode < -- xs_integer </pre>																																												
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	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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type Applicability_categoryOfCargoLabel

Namespace	http://www.oho.int/S127/2.0																													
Annotations	Custom enum: Applicability/categoryOfCargo																													
Diagram	<pre> classDiagram class Applicability_categoryOfCargoLabel { <<Custom enum: Applicability/categoryOfCargo>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } Applicability_categoryOfCargoLabel "1" -- "0..1" xs_string </pre>																													
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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																												
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																													

Simple Type Applicability_categoryOfCargoCode

Namespace	http://www.oho.int/S127/2.0																			
Annotations	Custom enum: Applicability/categoryOfCargo																			
Diagram	<pre> classDiagram class Applicability_categoryOfCargoCode { <<Custom enum: Applicability/categoryOfCargo>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } Applicability_categoryOfCargoCode "1" -- "0..1" xs_integer </pre>																			
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> </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	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.																		
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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
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type RadioCallingInPoint_categoryOfCargoLabel

Namespace	http://www.oho.int/S127/2.0	
Annotations	Custom enum: RadioCallingInPoint/categoryOfCargo	
Diagram	<pre> classDiagram class RadioCallingInPoint_categoryOfCargoLabel { <<Custom enum: RadioCallingInPoint/categoryOfCargo>> } class xs:string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } RadioCallingInPoint_categoryOfCargoLabel < -- xs:string </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	Ballast
Used by	Complex Type	RadioCallingInPoint_categoryOfCargoType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type RadioCallingInPoint_categoryOfCargoCode

Namespace	http://www.oho.int/S127/2.0
Annotations	Custom enum: RadioCallingInPoint/categoryOfCargo

Diagram	<p>Custom enum: RadioCallingInPoint/categoryOfCargo</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 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	9 Material carried by a ship to ensure its stability.
Used by	Attribute	RadioCallingInPoint_categoryOfCargoType/@code
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type categoryOfConcentrationOfShippingHazardAreaLabel

Namespace	http://www.ihc.int/S127/2.0	
Annotations	Classification of shipping hazards due to traffic volume or density.	
Diagram	<p>Classification of shipping hazards due to traffic volume or density.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	restriction of xs:string	
Facets	enumeration	Concentration of Merchant Shipping 1: Concentration of vessels whose primary purpose is to engage in commerce, including ferries.
	enumeration	Concentration of Recreational Vessels 2: Concentration of powered or sailing vessels principally engaged in recreation, leisure, or sporting competition.
	enumeration	Concentration of Fishing Vessels 3: Concentration of vessels whose primary purpose is to hunt, trap or process fish. The concentration could be on the fishing ground, in transit or in the approaches to home bases or fish markets.
	enumeration	Concentration of Military Vessels 4: Concentration of vessels principally engaged in military activities. This includes activities based on mandate of international organizations (for example, UN). The concentration is in areas others than military exercise areas.
	Used by	Complex Type categoryOfConcentrationOfShippingHazardAreaType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type categoryOfConcentrationOfShippingHazardAreaCode

Namespace	http://www.ihc.int/S127/2.0	
Annotations	Classification of shipping hazards due to traffic volume or density.	
Diagram	<p>Classification of shipping hazards due to traffic volume or density.</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	Concentration of vessels whose primary purpose is to engage in commerce, including ferries.
	enumeration	2	Concentration of powered or sailing vessels principally engaged in recreation, leisure, or sporting competition.
	enumeration	3	Concentration of vessels whose primary purpose is to hunt, trap or process fish. The concentration could be on the fishing ground, in transit or in the approaches to home bases or fish markets.
	enumeration	4	Concentration of vessels principally engaged in military activities. This includes activities based on mandate of international organizations (for example, UN). The concentration is in areas others than military exercise areas.
Used by	Attribute	categoryOfConcentrationOfShippingHazardAreaType/@code	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type ConcentrationOfShippingHazardArea_categoryOfConcentrationOfShippingHazardAreaLabel

Namespace	http://www.ihc.int/S127/2.0										
Annotations	Custom enum: ConcentrationOfShippingHazardArea/categoryOfConcentrationOfShippingHazardArea										
Diagram	<pre> classDiagram class ConcentrationOfShippingHazardArea_categoryOfConcentrationOfShippingHazardAreaLabel { <<Custom enum: ConcentrationOfShippingHazardArea/categoryOfConcentrationOfShippingHazardArea>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } ConcentrationOfShippingHazardArea_categoryOfConcentrationOfShippingHazardAreaLabel --> xs_string </pre>										
Type	restriction of xs:string										
Facets	<table border="1"> <tr> <td>enumeration</td> <td>Concentration of Merchant Shipping</td> </tr> <tr> <td>enumeration</td> <td>Concentration of Recreational Vessels</td> </tr> <tr> <td>enumeration</td> <td>Concentration of Fishing Vessels</td> </tr> <tr> <td>enumeration</td> <td>Concentration of Military Vessels</td> </tr> </table>			enumeration	Concentration of Merchant Shipping	enumeration	Concentration of Recreational Vessels	enumeration	Concentration of Fishing Vessels	enumeration	Concentration of Military Vessels
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enumeration	Concentration of Fishing Vessels										
enumeration	Concentration of Military Vessels										
Used by	Complex Type	ConcentrationOfShippingHazardArea_categoryOfConcentrationOfShippingHazardAreaType									
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd										

Simple Type ConcentrationOfShippingHazardArea_categoryOfConcentrationOfShippingHazardAreaCode

Namespace	http://www.ihc.int/S127/2.0														
Annotations	Custom enum: ConcentrationOfShippingHazardArea/categoryOfConcentrationOfShippingHazardArea														
Diagram	<pre> classDiagram class ConcentrationOfShippingHazardArea_categoryOfConcentrationOfShippingHazardAreaCode { <<Custom enum: ConcentrationOfShippingHazardArea/categoryOfConcentrationOfShippingHazardArea>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } ConcentrationOfShippingHazardArea_categoryOfConcentrationOfShippingHazardAreaCode --> xs_integer </pre>														
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		(for example, UN). The concentration is in areas others than military exercise areas.
Used by	Attribute	ConcentrationOfShippingHazardArea_categoryOfConcentrationOfShippingHazardAreaType/@code
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type categoryOfDangerousOrHazardousCargoLabel

Namespace	http://www.ihc.int/S127/2.0																																																																
Annotations	Classification of dangerous goods or hazardous materials based on the International Maritime Dangerous Goods Code (IMDG Code).																																																																
Diagram	<pre> classDiagram categoryOfDangerousOrHazardousCargoLabel < -- xs:string </pre> <p>Classification of dangerous goods or hazardous materials based on the International Maritime Dangerous Goods Code (IMDG...)</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>																																																																
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Facets	<table border="1"> <tr> <td>enumeration</td> <td>IMDG Code Class 1 Div. 1.1</td> <td>1: Explosives, Division 1: Substances and articles which have a mass explosion hazard.</td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 1 Div. 1.2</td> <td>2: Explosives, Division 2: Substances and articles which have a projection hazard but not a mass explosion hazard.</td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 1 Div. 1.3</td> <td>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.</td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 1 Div. 1.4</td> <td>4: Explosives, Division 4: Substances and articles which present no significant hazard.</td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 1 Div. 1.5</td> <td>5: Explosives, Division 5: Very insensitive substances which have a mass explosion hazard.</td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 1 Div. 1.6</td> <td>6: Explosives, Division 6: Extremely insensitive articles which do not have a mass explosion hazard.</td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 2 Div. 2.1</td> <td>7: Gases, flammable gases.</td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 2 Div. 2.2</td> <td>8: Gases, non-flammable, non-toxic gases.</td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 2 Div. 2.3</td> <td>9: Gases, toxic gases.</td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 3</td> <td>10: Flammable liquids.</td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 4 Div. 4.1</td> <td>11: Flammable solids, self-reactive substances and desensitized explosives.</td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 4 Div. 4.2</td> <td>12: Substances liable to spontaneous combustion.</td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 4 Div. 4.3</td> <td>13: Substances which, in contact with water, emit flammable gases.</td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 5 Div. 5.1</td> <td>14: Oxidizing substances.</td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 5 Div. 5.2</td> <td>15: Organic peroxides.</td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 6 Div. 6.1</td> <td>16: Toxic substances.</td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 6 Div. 6.2</td> <td>17: Infectious substances.</td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 7</td> <td>18: Radioactive material.</td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 8</td> <td>19: Corrosive substances.</td> </tr> <tr> <td>enumeration</td> <td>IMDG Code Class 9</td> <td>20: Miscellaneous dangerous substances and articles.</td> </tr> <tr> <td>enumeration</td> <td>Harmful Substances in Packaged Form</td> <td>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</td> </tr> </table>		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). 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		the forms of containment specified for harmful substances in the IMDG Code.
Used by	Complex Type	categoryOfDangerousOrHazardousCargoType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type categoryOfDangerousOrHazardousCargoCode

Namespace	http://www.oho.int/S127/2.0																																																																
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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.																																																															
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enumeration	16	Toxic substances.																																																															
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Used by	Attribute categoryOfDangerousOrHazardousCargoType/@code																																																																
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																																																																

Simple Type Applicability_categoryOfDangerousOrHazardousCargoLabel

Namespace	http://www.oho.int/S127/2.0
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Annotations	Custom enum: Applicability/categoryOfDangerousOrHazardousCargo																																										
Diagram	<pre> classDiagram class Applicability_categoryOfDangerousOrHazardousCargoLabel { <<Custom enum: Applicability/categoryOfDangerousOrHazardousCargo>> } xs:string Applicability_categoryOfDangerousOrHazardousCargoLabel "1" -- "0..1" 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>IMDG Code Class 1 Div. 1.1</td></tr> <tr><td>enumeration</td><td>IMDG Code Class 1 Div. 1.2</td></tr> <tr><td>enumeration</td><td>IMDG Code Class 1 Div. 1.3</td></tr> <tr><td>enumeration</td><td>IMDG Code Class 1 Div. 1.4</td></tr> <tr><td>enumeration</td><td>IMDG Code Class 1 Div. 1.5</td></tr> <tr><td>enumeration</td><td>IMDG Code Class 1 Div. 1.6</td></tr> <tr><td>enumeration</td><td>IMDG Code Class 2 Div. 2.1</td></tr> <tr><td>enumeration</td><td>IMDG Code Class 2 Div. 2.2</td></tr> <tr><td>enumeration</td><td>IMDG Code Class 2 Div. 2.3</td></tr> <tr><td>enumeration</td><td>IMDG Code Class 3</td></tr> <tr><td>enumeration</td><td>IMDG Code Class 4 Div. 4.1</td></tr> <tr><td>enumeration</td><td>IMDG Code Class 4 Div. 4.2</td></tr> <tr><td>enumeration</td><td>IMDG Code Class 4 Div. 4.3</td></tr> <tr><td>enumeration</td><td>IMDG Code Class 5 Div. 5.1</td></tr> <tr><td>enumeration</td><td>IMDG Code Class 5 Div. 5.2</td></tr> <tr><td>enumeration</td><td>IMDG Code Class 6 Div. 6.1</td></tr> <tr><td>enumeration</td><td>IMDG Code Class 6 Div. 6.2</td></tr> <tr><td>enumeration</td><td>IMDG Code Class 7</td></tr> <tr><td>enumeration</td><td>IMDG Code Class 8</td></tr> <tr><td>enumeration</td><td>IMDG Code Class 9</td></tr> <tr><td>enumeration</td><td>Harmful Substances in Packaged Form</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 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
enumeration	IMDG Code Class 1 Div. 1.1																																										
enumeration	IMDG Code Class 1 Div. 1.2																																										
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enumeration	IMDG Code Class 4 Div. 4.1																																										
enumeration	IMDG Code Class 4 Div. 4.2																																										
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enumeration	IMDG Code Class 9																																										
enumeration	Harmful Substances in Packaged Form																																										
Used by	Complex Type Applicability_categoryOfDangerousOrHazardousCargoType																																										
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																																										

Simple Type Applicability_categoryOfDangerousOrHazardousCargoCode

Namespace	http://www.oho.int/S127/2.0
Annotations	Custom enum: Applicability/categoryOfDangerousOrHazardousCargo
Diagram	<pre> classDiagram class Applicability_categoryOfDangerousOrHazardousCargoCode { <<Custom enum: Applicability/categoryOfDangerousOrHazardousCargo>> } xs:integer Applicability_categoryOfDangerousOrHazardousCargoCode "1" -- "0..1" 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	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	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type categoryOfMilitaryPracticeAreaLabel

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Classification of area by military use.		
Diagram	<p>The diagram shows a UML class named 'categoryOfMilitaryPracticeAreaLabel' with a multiplicity of 0..1. It has a directed association labeled 'xs:string' with a multiplicity of 0..1. A callout box below the association indicates: 'Classification of area by military use.' Another callout box indicates: 'Built-in primitive type. The string datatype represents character strings in XML.'</p>		
Type	restriction of xs:string		
Facets	enumeration	Torpedo Exercise Area	2: An area within which exercises are carried out with torpedoes.
	enumeration	Submarine Exercise Area	3: An area within which submarine exercises are carried out.
	enumeration	Firing Danger Area	4: Areas for bombing and missile exercises.
	enumeration	Mine-Laying Practice Area	5: An area within which mine laying exercises are carried out.
	enumeration	Small Arms Firing Range	6: An area for shooting pistols, rifles and machine guns etc. at a target.

Used by	Complex Type	categoryOfMilitaryPracticeAreaType
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type categoryOfMilitaryPracticeAreaCode

Namespace	http://www.ihc.int/S127/2.0	
Annotations	Classification of area by military use.	
Diagram	<p>The diagram shows a UML class named 'categoryOfMilitaryPracticeAreaCode' with a hollow diamond symbol indicating it is derived from another type. A line connects it to the built-in type 'xs:integer'. A callout box under 'categoryOfMilitaryPracticeAreaCode' states 'Classification of area by military use.' 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	2 An area within which exercises are carried out with torpedoes.
	enumeration	3 An area within which submarine exercises are carried out.
	enumeration	4 Areas for bombing and missile exercises.
	enumeration	5 An area within which mine laying exercises are carried out.
	enumeration	6 An area for shooting pistols, rifles and machine guns etc. at a target.
Used by	Attribute	categoryOfMilitaryPracticeAreaType/@code
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type MilitaryPracticeArea_categoryOfMilitaryPracticeAreaLabel

Namespace	http://www.ihc.int/S127/2.0	
Annotations	Custom enum: MilitaryPracticeArea/categoryOfMilitaryPracticeArea	
Diagram	<p>The diagram shows a UML class named 'MilitaryPracticeArea_categoryOfMilitaryPracticeAreaLabel' with a hollow diamond symbol indicating it is derived from another type. A line connects it to the built-in type 'xs:string'. A callout box under 'MilitaryPracticeArea_categoryOfMilitaryPracticeAreaLabel' states 'Custom enum: MilitaryPracticeArea/categoryOfMilitaryPracticeArea'. 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	Torpedo Exercise Area
	enumeration	Submarine Exercise Area
	enumeration	Firing Danger Area
	enumeration	Mine-Laying Practice Area
	enumeration	Small Arms Firing Range
Used by	Complex Type	MilitaryPracticeArea_categoryOfMilitaryPracticeAreaType
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type MilitaryPracticeArea_categoryOfMilitaryPracticeAreaCode

Namespace	http://www.ihc.int/S127/2.0	
Annotations	Custom enum: MilitaryPracticeArea/categoryOfMilitaryPracticeArea	
Diagram	<p>The diagram shows a UML class named 'MilitaryPracticeArea_categoryOfMilitaryPracticeAreaCode' with a hollow diamond symbol indicating it is derived from another type. A line connects it to the built-in type 'xs:integer'. A callout box under 'MilitaryPracticeArea_categoryOfMilitaryPracticeAreaCode' states 'Custom enum: MilitaryPracticeArea/categoryOfMilitaryPracticeArea'. 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	2 An area within which exercises are carried out with torpedoes.
	enumeration	3 An area within which submarine exercises are carried out.
	enumeration	4 Areas for bombing and missile exercises.

	enumeration	5	An area within which mine laying exercises are carried out.
	enumeration	6	An area for shooting pistols, rifles and machine guns etc. at a target.
Used by	Attribute	MilitaryPracticeArea_categoryOfMilitaryPracticeAreaType/@code	
Schema location		file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type categoryOfNavigationLineLabel

Namespace	http://www.ihoint/S127/2.0											
Annotations	Classification of route guidance given to vessels.											
Diagram	<p>The diagram shows a class named 'categoryOfNavigationLineLabel' with a multiplicity of 0..1. It has a directed association labeled 'xs:string' with a multiplicity of 0..1. A callout box for 'categoryOfNavigationLineLabel' states 'Classification of route guidance given to vessels.' 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	<table> <tr> <td>enumeration</td> <td>Clearing Line</td> <td>1: A straight line that marks the boundary between a safe and a dangerous area or that passes clear of a navigational danger.</td> </tr> <tr> <td>enumeration</td> <td>Transit Line</td> <td>2: A line passing through one or more fixed marks.</td> </tr> <tr> <td>enumeration</td> <td>Leading Line Bearing a Recommended Track</td> <td>3: A line passing through one or more clearly defined objects, along the path of which a vessel can approach safely up to a certain distance off.</td> </tr> </table>			enumeration	Clearing Line	1: A straight line that marks the boundary between a safe and a dangerous area or that passes clear of a navigational danger.	enumeration	Transit Line	2: A line passing through one or more fixed marks.	enumeration	Leading Line Bearing a Recommended Track	3: A line passing through one or more clearly defined objects, along the path of which a vessel can approach safely up to a certain distance off.
enumeration	Clearing Line	1: A straight line that marks the boundary between a safe and a dangerous area or that passes clear of a navigational danger.										
enumeration	Transit Line	2: A line passing through one or more fixed marks.										
enumeration	Leading Line Bearing a Recommended Track	3: A line passing through one or more clearly defined objects, along the path of which a vessel can approach safely up to a certain distance off.										
Used by	Complex Type categoryOfNavigationLineType											
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd											

Simple Type categoryOfNavigationLineCode

Namespace	http://www.ihoint/S127/2.0											
Annotations	Classification of route guidance given to vessels.											
Diagram	<p>The diagram shows a class named 'categoryOfNavigationLineCode' with a multiplicity of 0..1. It has a directed association labeled 'xs:integer' with a multiplicity of 0..1. A callout box for 'categoryOfNavigationLineCode' states 'Classification of route guidance given to vessels.' 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	<table> <tr> <td>enumeration</td> <td>1</td> <td>A straight line that marks the boundary between a safe and a dangerous area or that passes clear of a navigational danger.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>A line passing through one or more fixed marks.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>A line passing through one or more clearly defined objects, along the path of which a vessel can approach safely up to a certain distance off.</td> </tr> </table>			enumeration	1	A straight line that marks the boundary between a safe and a dangerous area or that passes clear of a navigational danger.	enumeration	2	A line passing through one or more fixed marks.	enumeration	3	A line passing through one or more clearly defined objects, along the path of which a vessel can approach safely up to a certain distance off.
enumeration	1	A straight line that marks the boundary between a safe and a dangerous area or that passes clear of a navigational danger.										
enumeration	2	A line passing through one or more fixed marks.										
enumeration	3	A line passing through one or more clearly defined objects, along the path of which a vessel can approach safely up to a certain distance off.										
Used by	Attribute categoryOfNavigationLineType/@code											
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd											

Simple Type RouteingMeasure_categoryOfNavigationLineLabel

Namespace	http://www.ihoint/S127/2.0		
Annotations	Custom enum: RouteingMeasure/categoryOfNavigationLine		
Diagram	<p>The diagram shows a class named 'RouteingMeasure_categoryOfNavigationLineLabel' with a multiplicity of 0..1. It has a directed association labeled 'xs:string' with a multiplicity of 0..1. A callout box for 'RouteingMeasure_categoryOfNavigationLineLabel' states 'Custom enum: RouteingMeasure/categoryOfNavigationLine'. 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	Clearing Line
	enumeration	Transit Line
	enumeration	Leading Line Bearing a Recommended Track
Used by	Complex Type	RouteingMeasure_categoryOfNavigationLineType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type RouteingMeasure_categoryOfNavigationLineCode

Namespace	http://www.ihc.int/S127/2.0										
Annotations	Custom enum: RouteingMeasure/categoryOfNavigationLine										
Diagram	<p>Custom enum: RouteingMeasure/categoryOfNavigationLine</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>A straight line that marks the boundary between a safe and a dangerous area or that passes clear of a navigational danger.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>A line passing through one or more fixed marks.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>A line passing through one or more clearly defined objects, along the path of which a vessel can approach safely up to a certain distance off.</td> </tr> </table>		enumeration	1	A straight line that marks the boundary between a safe and a dangerous area or that passes clear of a navigational danger.	enumeration	2	A line passing through one or more fixed marks.	enumeration	3	A line passing through one or more clearly defined objects, along the path of which a vessel can approach safely up to a certain distance off.
enumeration	1	A straight line that marks the boundary between a safe and a dangerous area or that passes clear of a navigational danger.									
enumeration	2	A line passing through one or more fixed marks.									
enumeration	3	A line passing through one or more clearly defined objects, along the path of which a vessel can approach safely up to a certain distance off.									
Used by	Attribute RouteingMeasure_categoryOfNavigationLineType/@code										
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd										

Simple Type categoryOfPilotLabel

Namespace	http://www.ihc.int/S127/2.0																						
Annotations	Classification of pilots and pilot services by type of waterway where piloting services are provided.																						
Diagram	<p>Classification of pilots and pilot services by type of waterway where piloting services are provided.</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>Pilot</td> <td>1: Pilot licenced to conduct vessels during approach from sea to a specified place which may be a handover place, an anchorage or alongside.</td> </tr> <tr> <td>enumeration</td> <td>Deep Sea</td> <td>2: Pilot licenced to conduct vessels over extensive sea areas.</td> </tr> <tr> <td>enumeration</td> <td>Harbour</td> <td>3: A reporting point of a harbour.</td> </tr> <tr> <td>enumeration</td> <td>Bar</td> <td>4: A ridge or succession of ridges of sand or other substances extending across the mouth of a river or harbour and which may obstruct navigation.</td> </tr> <tr> <td>enumeration</td> <td>River</td> <td>5: A relatively large natural stream of water.</td> </tr> <tr> <td>enumeration</td> <td>Channel</td> <td>6: Pilot licensed to conduct vessels from and to specified places, along the course of a channel. (For example as used in Rio Amazonas and Rio de La Plata.)</td> </tr> <tr> <td>enumeration</td> <td>Lake</td> <td>7: A large body of water entirely surrounded by land.</td> </tr> </table>		enumeration	Pilot	1: Pilot licenced to conduct vessels during approach from sea to a specified place which may be a handover place, an anchorage or alongside.	enumeration	Deep Sea	2: Pilot licenced to conduct vessels over extensive sea areas.	enumeration	Harbour	3: A reporting point of a harbour.	enumeration	Bar	4: A ridge or succession of ridges of sand or other substances extending across the mouth of a river or harbour and which may obstruct navigation.	enumeration	River	5: A relatively large natural stream of water.	enumeration	Channel	6: Pilot licensed to conduct vessels from and to specified places, along the course of a channel. (For example as used in Rio Amazonas and Rio de La Plata.)	enumeration	Lake	7: A large body of water entirely surrounded by land.
enumeration	Pilot	1: Pilot licenced to conduct vessels during approach from sea to a specified place which may be a handover place, an anchorage or alongside.																					
enumeration	Deep Sea	2: Pilot licenced to conduct vessels over extensive sea areas.																					
enumeration	Harbour	3: A reporting point of a harbour.																					
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enumeration	Channel	6: Pilot licensed to conduct vessels from and to specified places, along the course of a channel. (For example as used in Rio Amazonas and Rio de La Plata.)																					
enumeration	Lake	7: A large body of water entirely surrounded by land.																					
Used by	Complex Type categoryOfPilotType																						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																						

Simple Type categoryOfPilotCode

Namespace	http://www.ihc.int/S127/2.0																							
Annotations	Classification of pilots and pilot services by type of waterway where piloting services are provided.																							
Diagram	<p>The diagram shows a UML class named 'categoryOfPilotCode' connected via an association to the built-in datatype 'xs:integer'. A callout box for 'categoryOfPilotCode' states: 'Classification of pilots and pilot services by type of waterway where piloting services are provided.' 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	<table> <tr> <td>enumeration</td> <td>1</td> <td>Pilot licenced to conduct vessels during approach from sea to a specified place which may be a handover place, an anchorage or alongside.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>Pilot licenced to conduct vessels over extensive sea areas.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>A reporting point of a harbour.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>A ridge or succession of ridges of sand or other substances extending across the mouth of a river or harbour and which may obstruct navigation.</td> </tr> <tr> <td>enumeration</td> <td>5</td> <td>A relatively large natural stream of water.</td> </tr> <tr> <td>enumeration</td> <td>6</td> <td>Pilot licensed to conduct vessels from and to specified places, along the course of a channel. (For example as used in Rio Amazonas and Rio de La Plata.)</td> </tr> <tr> <td>enumeration</td> <td>7</td> <td>A large body of water entirely surrounded by land.</td> </tr> </table>			enumeration	1	Pilot licenced to conduct vessels during approach from sea to a specified place which may be a handover place, an anchorage or alongside.	enumeration	2	Pilot licenced to conduct vessels over extensive sea areas.	enumeration	3	A reporting point of a harbour.	enumeration	4	A ridge or succession of ridges of sand or other substances extending across the mouth of a river or harbour and which may obstruct navigation.	enumeration	5	A relatively large natural stream of water.	enumeration	6	Pilot licensed to conduct vessels from and to specified places, along the course of a channel. (For example as used in Rio Amazonas and Rio de La Plata.)	enumeration	7	A large body of water entirely surrounded by land.
enumeration	1	Pilot licenced to conduct vessels during approach from sea to a specified place which may be a handover place, an anchorage or alongside.																						
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enumeration	5	A relatively large natural stream of water.																						
enumeration	6	Pilot licensed to conduct vessels from and to specified places, along the course of a channel. (For example as used in Rio Amazonas and Rio de La Plata.)																						
enumeration	7	A large body of water entirely surrounded by land.																						
Used by	Attribute categoryOfPilotType/@code																							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																							

Simple Type PilotService_categoryOfPilotLabel

Namespace	http://www.ihc.int/S127/2.0																							
Annotations	Custom enum: PilotService/categoryOfPilot																							
Diagram	<p>The diagram shows a UML class named 'PilotService_categoryOfPilotLabel' connected via an association to the built-in datatype 'xs:string'. A callout box for 'PilotService_categoryOfPilotLabel' states: 'Custom enum: PilotService/categoryOfPilot'. 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	<table> <tr> <td>enumeration</td> <td>Pilot</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Deep Sea</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Harbour</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Bar</td> <td></td> </tr> <tr> <td>enumeration</td> <td>River</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Channel</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Lake</td> <td></td> </tr> </table>			enumeration	Pilot		enumeration	Deep Sea		enumeration	Harbour		enumeration	Bar		enumeration	River		enumeration	Channel		enumeration	Lake	
enumeration	Pilot																							
enumeration	Deep Sea																							
enumeration	Harbour																							
enumeration	Bar																							
enumeration	River																							
enumeration	Channel																							
enumeration	Lake																							
Used by	Complex Type PilotService_categoryOfPilotType																							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																							

Simple Type PilotService_categoryOfPilotCode

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Custom enum: PilotService/categoryOfPilot		
Diagram	<p>The diagram shows a UML class named 'PilotService_categoryOfPilotCode' connected via an association to the built-in datatype 'xs:integer'. A callout box for 'PilotService_categoryOfPilotCode' states: 'Custom enum: PilotService/categoryOfPilot'. 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	Pilot licenced to conduct vessels during approach from sea to a specified place which may be a handover place, an anchorage or alongside.
	enumeration	2	Pilot licenced to conduct vessels over extensive sea areas.
	enumeration	3	A reporting point of a harbour.
	enumeration	4	A ridge or succession of ridges of sand or other substances extending across the mouth of a river or harbour and which may obstruct navigation.
	enumeration	5	A relatively large natural stream of water.
	enumeration	6	Pilot licensed to conduct vessels from and to specified places, along the course of a channel. (For example as used in Rio Amazonas and Rio de La Plata.)
	enumeration	7	A large body of water entirely surrounded by land.
Used by	Attribute	PilotService_categoryOfPilotType/@code	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type categoryOfPilotBoardingPlaceLabel

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Classification of pilot boarding method.		
Diagram	<pre> classDiagram class categoryOfPilotBoardingPlaceLabel { <<Classification of pilot boarding method.>> } class xs:string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } categoryOfPilotBoardingPlaceLabel "1" -- "0..1" xs:string </pre>		
Type	restriction of xs:string		
Facets	enumeration	Boarding by Pilot-Cruising Vessel	1: Pilot boards from a cruising vessel.
	enumeration	Boarding by Helicopter	2: Pilot boards by helicopter which comes out from the shore.
	enumeration	Pilot Comes Out from Shore	3: Pilot embarks from a vessel or disembarks on a vessel which comes out from the shore on request.
Used by	Complex Type	categoryOfPilotBoardingPlaceType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type categoryOfPilotBoardingPlaceCode

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Classification of pilot boarding method.		
Diagram	<pre> classDiagram class categoryOfPilotBoardingPlaceCode { <<Classification of pilot boarding method.>> } class xs:integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } categoryOfPilotBoardingPlaceCode "1" -- "0..1" xs:integer </pre>		
Type	restriction of xs:integer		
Facets	enumeration	1	Pilot boards from a cruising vessel.
	enumeration	2	Pilot boards by helicopter which comes out from the shore.
	enumeration	3	Pilot embarks from a vessel or disembarks on a vessel which comes out from the shore on request.
Used by	Attribute	categoryOfPilotBoardingPlaceType/@code	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type PilotBoardingPlace_categoryOfPilotBoardingPlaceLabel

Namespace	http://www.oho.int/S127/2.0							
Annotations	Custom enum: PilotBoardingPlace/categoryOfPilotBoardingPlace							
Diagram	<p>PilotBoardingPlace_categoryOfPilotBoardingPlaceLabel</p> <p>xs:string</p> <p>Custom enum: PilotBoardingPlace/categoryOfPilotBoardingPlace</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>Boarding by Pilot-Cruising Vessel</td> </tr> <tr> <td>enumeration</td> <td>Boarding by Helicopter</td> </tr> <tr> <td>enumeration</td> <td>Pilot Comes Out from Shore</td> </tr> </table>		enumeration	Boarding by Pilot-Cruising Vessel	enumeration	Boarding by Helicopter	enumeration	Pilot Comes Out from Shore
enumeration	Boarding by Pilot-Cruising Vessel							
enumeration	Boarding by Helicopter							
enumeration	Pilot Comes Out from Shore							
Used by	Complex Type	PilotBoardingPlace_categoryOfPilotBoardingPlaceType						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd							

Simple Type PilotBoardingPlace_categoryOfPilotBoardingPlaceCode

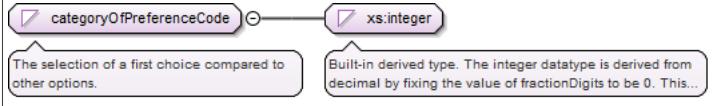
Namespace	http://www.oho.int/S127/2.0										
Annotations	Custom enum: PilotBoardingPlace/categoryOfPilotBoardingPlace										
Diagram	<p>PilotBoardingPlace_categoryOfPilotBoardingPlaceCode</p> <p>xs:integer</p> <p>Custom enum: PilotBoardingPlace/categoryOfPilotBoardingPlace</p> <p>Built-in derived 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>Pilot boards from a cruising vessel.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>Pilot boards by helicopter which comes out from the shore.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>Pilot embarks from a vessel or disembarks on a vessel which comes out from the shore on request.</td> </tr> </table>		enumeration	1	Pilot boards from a cruising vessel.	enumeration	2	Pilot boards by helicopter which comes out from the shore.	enumeration	3	Pilot embarks from a vessel or disembarks on a vessel which comes out from the shore on request.
enumeration	1	Pilot boards from a cruising vessel.									
enumeration	2	Pilot boards by helicopter which comes out from the shore.									
enumeration	3	Pilot embarks from a vessel or disembarks on a vessel which comes out from the shore on request.									
Used by	Attribute	PilotBoardingPlace_categoryOfPilotBoardingPlaceType/@code									
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd										

Simple Type categoryOfPreferenceLabel

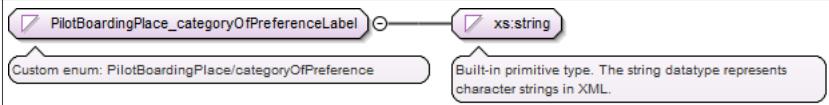
Namespace	http://www.oho.int/S127/2.0							
Annotations	The selection of a first choice compared to other options.							
Diagram	<p>categoryOfPreferenceLabel</p> <p>xs:string</p> <p>The selection of a first choice compared to other options.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>							
Type	restriction of xs:string							
Facets	<table> <tr> <td>enumeration</td> <td>Primary</td> <td>1: The preferred first choice used in normal conditions.</td> </tr> <tr> <td>enumeration</td> <td>Alternate</td> <td>2: The preferred choice in extraordinary conditions.</td> </tr> </table>		enumeration	Primary	1: The preferred first choice used in normal conditions.	enumeration	Alternate	2: The preferred choice in extraordinary conditions.
enumeration	Primary	1: The preferred first choice used in normal conditions.						
enumeration	Alternate	2: The preferred choice in extraordinary conditions.						
Used by	Complex Type	categoryOfPreferenceType						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd							

Simple Type categoryOfPreferenceCode

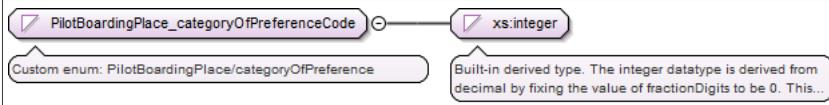
Namespace	http://www.oho.int/S127/2.0	
Annotations	The selection of a first choice compared to other options.	

Diagram							
Type	restriction of xs:integer						
Facets	<table> <tr> <td>enumeration</td> <td>1</td> <td>The preferred first choice used in normal conditions.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>The preferred choice in extraordinary conditions.</td> </tr> </table>	enumeration	1	The preferred first choice used in normal conditions.	enumeration	2	The preferred choice in extraordinary conditions.
enumeration	1	The preferred first choice used in normal conditions.					
enumeration	2	The preferred choice in extraordinary conditions.					
Used by	Attribute categoryOfPreferenceType/@code						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

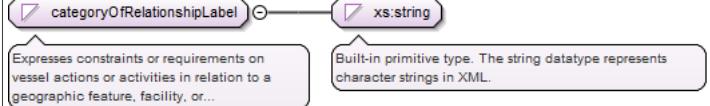
Simple Type PilotBoardingPlace_categoryOfPreferenceLabel

Namespace	http://www.ihoint/S127/2.0						
Annotations	Custom enum: PilotBoardingPlace/categoryOfPreference						
Diagram							
Type	restriction of xs:string						
Facets	<table> <tr> <td>enumeration</td> <td>Primary</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Alternate</td> <td></td> </tr> </table>	enumeration	Primary		enumeration	Alternate	
enumeration	Primary						
enumeration	Alternate						
Used by	Complex Type PilotBoardingPlace_categoryOfPreferenceType						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Simple Type PilotBoardingPlace_categoryOfPreferenceCode

Namespace	http://www.ihoint/S127/2.0						
Annotations	Custom enum: PilotBoardingPlace/categoryOfPreference						
Diagram							
Type	restriction of xs:integer						
Facets	<table> <tr> <td>enumeration</td> <td>1</td> <td>The preferred first choice used in normal conditions.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>The preferred choice in extraordinary conditions.</td> </tr> </table>	enumeration	1	The preferred first choice used in normal conditions.	enumeration	2	The preferred choice in extraordinary conditions.
enumeration	1	The preferred first choice used in normal conditions.					
enumeration	2	The preferred choice in extraordinary conditions.					
Used by	Attribute PilotBoardingPlace_categoryOfPreferenceType/@code						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Simple Type categoryOfRelationshipLabel

Namespace	http://www.ihoint/S127/2.0						
Annotations	Expresses constraints or requirements on vessel actions or activities in relation to a geographic feature, facility, or service.						
Diagram							
Type	restriction of xs:string						
Facets	<table> <tr> <td>enumeration</td> <td>Prohibited</td> <td>1: Use of facility, waterway or service is forbidden.</td> </tr> <tr> <td>enumeration</td> <td>Not Recommended</td> <td>2: Use of facility, waterway or service is not recommended.</td> </tr> </table>	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	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	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type categoryOfRelationshipCode

Namespace	http://www.ihoint/S127/2.0																							
Annotations	Expresses constraints or requirements on vessel actions or activities in relation to a geographic feature, facility, or service.																							
Diagram	<p>categoryOfRelationshipCode \circlearrowleft xs:integer</p> <p>Expresses constraints or requirements on vessel actions or activities in relation to a geographic feature, facility, or...</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>Use of facility, waterway or service is forbidden.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>Use of facility, waterway or service is not recommended.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>Use of facility, waterway, or service is permitted but not required.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>Use of facility, waterway, or service is recommended.</td> </tr> <tr> <td>enumeration</td> <td>5</td> <td>Use of facility, waterway, or service is required.</td> </tr> <tr> <td>enumeration</td> <td>6</td> <td>Use of facility, waterway, or service is not required.</td> </tr> <tr> <td>enumeration</td> <td>7</td> <td>Only vessels of the specified characteristics may use the facility, waterway, or service.</td> </tr> </table>			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.
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																							
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																							

Simple Type categoryOfRestrictedAreaLabel

Namespace	http://www.ihoint/S127/2.0								
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>categoryOfRestrictedAreaLabel \circlearrowleft xs:string</p> <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	<table border="1"> <tr> <td>enumeration</td> <td>Offshore Safety Zone</td> <td>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.</td> </tr> <tr> <td>enumeration</td> <td>Nature Reserve</td> <td>4: A tract of land or water managed so as to preserve its flora, fauna, physical features, etc.</td> </tr> </table>			enumeration	Offshore Safety Zone	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	Nature Reserve	4: A tract of land or water managed so as to preserve its flora, fauna, physical features, etc.
enumeration	Offshore Safety Zone	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	Nature Reserve	4: A tract of land or water managed so as to preserve its flora, fauna, physical features, etc.							

enumeration	Bird Sanctuary	5: A place where birds are bred and protected.
enumeration	Game Reserve	6: A place where wild animals or birds hunted for sport or food are kept undisturbed for private use.
enumeration	Seal Sanctuary	7: A place where seals are protected.
enumeration	Degaussing Range	8: An area, usually about two cables diameter, within which ships' magnetic fields may be measured; sensing instruments and cables are installed on the sea bed in the range and there are cables leading from the range to a control position ashore.
enumeration	Military Area	9: An area controlled by the military in which restrictions may apply.
enumeration	Historic Wreck Area	10: An area around certain wrecks of historical importance to protect the wrecks from unauthorized interference by diving, salvage or deposition (including anchoring).
enumeration	Navigational Aid Safety Zone	12: An area around a navigational aid which vessels are prohibited from entering.
enumeration	Minefield	14: An area laid and maintained with explosive mines for defence or practice purposes.
enumeration	Waiting Area	19: An area reserved for vessels waiting to enter a harbour.
enumeration	Research Area	20: An area where marine research takes place.
enumeration	Fish Sanctuary	22: A place where fish (including shellfish and crustaceans) are protected.
enumeration	Ecological Reserve	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	Swinging Area	25: An area where vessels turn.
enumeration	Environmentally Sensitive Sea Area	27: A generic term which may be used to describe a wide range of areas, considered sensitive for a variety of environmental reasons.
enumeration	Particularly Sensitive Sea Area	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	Disengagement Area	29: An area near a fairway where vessels can go to clear the way or make an about turn and possibly return to a waiting area when nautical conditions impose it.
enumeration	Port Security Area	30: An area in which defence, law and treaty enforcement, and counter-terrorism activities that fall within the port and maritime domain apply.
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.
Used by	Complex Type	categoryOfRestrictedAreaType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

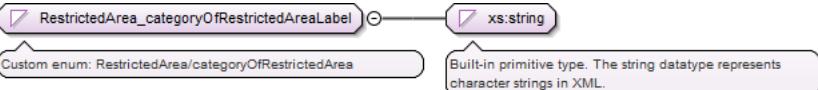
Simple Type categoryOfRestrictedAreaCode

Namespace	http://www.ihc.int/S127/2.0
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 class xs_integer categoryOfRestrictedAreaCode < -- xs_integer </pre> <p>The diagram shows a UML class named "categoryOfRestrictedAreaCode" represented by a rounded rectangle with a purple border. It has a generalization relationship indicated by a hollow circle with a line pointing to another rounded rectangle containing "xs:integer". Two callouts provide additional context: one for "categoryOfRestrictedAreaCode" stating "The official legal status of each kind of restricted area defines the kind of restriction(s), for example the..." 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

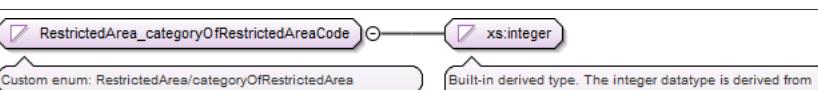
Facets	enumeration	1	The area around an offshore installation within which vessels are prohibited from entering without permission. Special regulations protect installations within a safety zone and vessels of all nationalities are required to respect the zone.
	enumeration	4	A tract of land or water 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	8	An area, usually about two cables diameter, within which ships' magnetic fields may be measured; sensing instruments and cables are installed on the sea bed in the range and there are cables leading from the range to a control position ashore.
	enumeration	9	An area controlled by the military in which restrictions may apply.
	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	12	An area around a navigational aid which vessels are prohibited from entering.
	enumeration	14	An area laid and maintained with explosive mines for defence or practice purposes.
	enumeration	19	An area reserved for vessels waiting to enter a harbour.
	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	25	An area where vessels turn.
	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	29	An area near a fairway where vessels can go to clear the way or make an about turn and possibly return to a waiting area when nautical conditions impose it.
	enumeration	30	An area in which defence, law and treaty enforcement, and counter-terrorism activities that fall within the port and maritime domain apply.
	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.
Used by	Attribute	categoryOfRestrictedAreaType/@code	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type RestrictedArea_categoryOfRestrictedAreaLabel

Namespace	http://www.ihc.int/S127/2.0
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Annotations	Custom enum: RestrictedArea/categoryOfRestrictedArea	
Diagram		
Type	restriction of xs:string	
Facets	enumeration Offshore Safety Zone enumeration Nature Reserve enumeration Bird Sanctuary enumeration Game Reserve enumeration Seal Sanctuary enumeration Degaussing Range enumeration Military Area enumeration Historic Wreck Area enumeration Navigational Aid Safety Zone enumeration Minefield enumeration Waiting Area enumeration Research Area enumeration Fish Sanctuary enumeration Ecological Reserve enumeration Swinging Area enumeration Environmentally Sensitive Sea Area enumeration Particularly Sensitive Sea Area enumeration Disengagement Area enumeration Port Security Area enumeration Coral Sanctuary enumeration Recreation Area	
Used by	Complex Type	RestrictedArea_categoryOfRestrictedAreaType
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type RestrictedArea_categoryOfRestrictedAreaCode

Namespace	http://www.ihc.int/S127/2.0				
Annotations	Custom enum: RestrictedArea/categoryOfRestrictedArea				
Diagram		<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	8	An area, usually about two cables diameter, within which ships' magnetic fields may be measured; sensing instruments and cables are installed on the sea bed in the range and there are cables leading from the range to a control position ashore.
enumeration	9	An area controlled by the military in which restrictions may apply.
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	12	An area around a navigational aid which vessels are prohibited from entering.
enumeration	14	An area laid and maintained with explosive mines for defence or practice purposes.
enumeration	19	An area reserved for vessels waiting to enter a harbour.
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	25	An area where vessels turn.
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	29	An area near a fairway where vessels can go to clear the way or make an about turn and possibly return to a waiting area when nautical conditions impose it.
enumeration	30	An area in which defence, law and treaty enforcement, and counter-terrorism activities that fall within the port and maritime domain apply.
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.
Used by	Attribute	RestrictedArea_categoryOfRestrictedAreaType/@code
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type categoryOfRouteingMeasureLabel

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Classification of routeing measures by type.		
Diagram	<p>Classification of routeing measures by type.</p>		
Type	restriction of xs:string		
Facets	enumeration	Archipelagic Sea Lane	1: Sea lanes designated by an archipelagic State for the passage of ships and aircraft. The Archipelagic Sea Lane aggregates all component parts of an Archipelagic Sea Lane system.
	enumeration	Deep Water Route	2: A route within defined limits which has been accurately surveyed for clearance of sea bottom

		and submerged obstacles as indicated on the chart.
enumeration	Fairway System	3: That part of a river, harbour and so on, where the main navigable channel for vessels of larger size lies. It is also the usual course followed by vessels entering or leaving harbours, called ship channel. A fairway system is an aggregation of connected fairway features making up a complex fairway system.
enumeration	Recommended Route	4: A navigation line, range system, or a recommended track, lane, or route.
enumeration	Traffic Separation Scheme	5: A routeing measure aimed at the separation of opposing streams of traffic by appropriate means and by the establishment of traffic lanes.
enumeration	Two-Way Route	6: A route within defined limits inside which two way traffic is established, aimed at providing safe passage of ships through waters where navigation is difficult or dangerous.
Used by	Complex Type	categoryOfRouteingMeasureType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type categoryOfRouteingMeasureCode

Namespace	http://www.ihc.int/S127/2.0	
Annotations	Classification of routeing measures by type.	
Diagram		
Type	restriction of xs:integer	
Facets	enumeration	1 Sea lanes designated by an archipelagic State for the passage of ships and aircraft. The Archipelagic Sea Lane aggregates all component parts of an Archipelagic Sea Lane system.
	enumeration	2 A route within defined limits which has been accurately surveyed for clearance of sea bottom and submerged obstacles as indicated on the chart.
	enumeration	3 That part of a river, harbour and so on, where the main navigable channel for vessels of larger size lies. It is also the usual course followed by vessels entering or leaving harbours, called ship channel. A fairway system is an aggregation of connected fairway features making up a complex fairway system.
	enumeration	4 A navigation line, range system, or a recommended track, lane, or route.
	enumeration	5 A routeing measure aimed at the separation of opposing streams of traffic by appropriate means and by the establishment of traffic lanes.
	enumeration	6 A route within defined limits inside which two way traffic is established, aimed at providing safe passage of ships through waters where navigation is difficult or dangerous.
Used by	Attribute	categoryOfRouteingMeasureType/@code
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type RouteingMeasure_categoryOfRouteingMeasureLabel

Namespace	http://www.ihc.int/S127/2.0	
Annotations	Custom enum: RouteingMeasure/categoryOfRouteingMeasure	
Diagram		

Type	restriction of xs:string	
Facets	enumeration	Archipelagic Sea Lane
	enumeration	Deep Water Route
	enumeration	Fairway System
	enumeration	Recommended Route
	enumeration	Traffic Separation Scheme
	enumeration	Two-Way Route
Used by	Complex Type	RouteingMeasure_categoryOfRouteingMeasureType
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type RouteingMeasure_categoryOfRouteingMeasureCode

Namespace	http://www.ihc.int/S127/2.0	
Annotations	Custom enum: RouteingMeasure/categoryOfRouteingMeasure	
Diagram	<pre> classDiagram class RouteingMeasure_categoryOfRouteingMeasureCode { <<Custom enum: RouteingMeasure/categoryOfRouteingMeasure>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } RouteingMeasure_categoryOfRouteingMeasureCode "1" -- "0..1" xs_integer </pre>	
Type	restriction of xs:integer	
Facets	enumeration	1 Sea lanes designated by an archipelagic State for the passage of ships and aircraft. The Archipelagic Sea Lane aggregates all component parts of an Archipelagic Sea Lane system.
	enumeration	2 A route within defined limits which has been accurately surveyed for clearance of sea bottom and submerged obstacles as indicated on the chart.
	enumeration	3 That part of a river, harbour and so on, where the main navigable channel for vessels of larger size lies. It is also the usual course followed by vessels entering or leaving harbours, called ship channel. A fairway system is an aggregation of connected fairway features making up a complex fairway system.
	enumeration	4 A navigation line, range system, or a recommended track, lane, or route.
	enumeration	5 A routeing measure aimed at the separation of opposing streams of traffic by appropriate means and by the establishment of traffic lanes.
	enumeration	6 A route within defined limits inside which two way traffic is established, aimed at providing safe passage of ships through waters where navigation is difficult or dangerous.
Used by	Attribute	RouteingMeasure_categoryOfRouteingMeasureType/@code
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type categoryOfScheduleLabel

Namespace	http://www.ihc.int/S127/2.0	
Annotations	The type of schedule, for instance opening, closure, etc.	
Diagram	<pre> classDiagram class categoryOfScheduleLabel { <<The type of schedule, for instance opening, closure, etc.>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } categoryOfScheduleLabel "1" -- "0..1" xs_string </pre>	
Type	restriction of xs:string	
Facets	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	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type categoryOfScheduleCode

Namespace	http://www.ih0.int/S127/2.0											
Annotations	The type of schedule, for instance opening, closure, etc.											
Diagram	<p>The diagram shows a UML class named "categoryOfScheduleCode" with a hollow diamond symbol indicating it is derived from another class. This hollow diamond is connected to a rounded rectangle labeled "xs:integer". A callout box under "categoryOfScheduleCode" states "The type of schedule, for instance opening, closure, etc.". 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	<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											
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd											

Simple Type scheduleByDayOfWeek_categoryOfScheduleLabel

Namespace	http://www.ih0.int/S127/2.0											
Annotations	Restricted values of scheduleByDayOfWeek/categoryOfSchedule											
Diagram	<p>The diagram shows a UML class named "scheduleByDayOfWeek_categoryOfScheduleLabel" with a hollow diamond symbol indicating it is derived from another class. This hollow diamond is connected to a rounded rectangle labeled "xs:string". A callout box under "scheduleByDayOfWeek_categoryOfScheduleLabel" states "Restricted values of scheduleByDayOfWeek/categoryOfSchedule". 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	<table> <tr> <td>enumeration</td> <td>Normal Operation</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Closure</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Unmanned Operation</td> <td></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											
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd											

Simple Type scheduleByDayOfWeek_categoryOfScheduleCode

Namespace	http://www.ih0.int/S127/2.0											
Annotations	Restricted values of scheduleByDayOfWeek/categoryOfSchedule											
Diagram	<p>The diagram shows a UML class named "scheduleByDayOfWeek_categoryOfScheduleCode" with a hollow diamond symbol indicating it is derived from another class. This hollow diamond is connected to a rounded rectangle labeled "xs:integer". A callout box under "scheduleByDayOfWeek_categoryOfScheduleCode" states "Restricted values of scheduleByDayOfWeek/categoryOfSchedule". 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	<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.
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enumeration	2	The service, office, or area is closed.										
enumeration	3	The service is available but not manned.										
Used by	Attribute scheduleByDayOfWeek_categoryOfScheduleType/@code											
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd											

Simple Type categoryOfShipReportLabel

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Classification of ship reports based on IMO standard report formats.		
Diagram	<p>Classification of ship reports based on IMO standard report formats.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	restriction of xs:string		
Facets	enumeration	Sailing Plan	1: Before or as near as possible to the time of departure from a port within a system or when entering the area covered by a system (for instance A, B, J, X etc).
	enumeration	Position Report	2: When necessary to ensure effective operation of the system.
	enumeration	Deviation Report	3: When the ships position varies significantly from the position that would have been predicted from previous reports; when changing the reported route; or as decided by the master.
	enumeration	Final Report	4: On arrival at the destination or on leaving the area covered by the system.
	enumeration	Dangerous Goods Report	5: When an incident takes place involving the loss or likely loss overboard of packaged dangerous goods, including those in freight containers, portable tanks, road and rail vehicles and ship-borne barges, into the sea.
	enumeration	Harmful Substances Report	6: Report submitted when an incident takes place involving the discharge or probable discharge of oil or noxious liquid substances in bulk.
	enumeration	Marine Pollutants Report	7: In the case of the loss or likely loss overboard of harmful substances in packaged form, including those in freight containers, portable tanks, road and rail vehicles and ship-borne barges identified in the International Maritime Goods Code as marine pollutants.
	enumeration	Any Other Report	8: Any other type of non-defined report that is made in accordance with the system procedures as notified in accordance with paragraph 9 of the general principles.
Used by	Complex Type	categoryOfShipReportType	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type categoryOfShipReportCode

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Classification of ship reports based on IMO standard report formats.		
Diagram	<p>Classification of ship reports based on IMO standard report formats.</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	Before or as near as possible to the time of departure from a port within a system or when entering the area covered by a system (for instance A, B, J, X etc).
	enumeration	2	When necessary to ensure effective operation of the system.
	enumeration	3	When the ships position varies significantly from the position that would have been predicted from previous reports; when changing the reported route; or as decided by the master.
	enumeration	4	On arrival at the destination or on leaving the area covered by the system.
	enumeration	5	When an incident takes place involving the loss or likely loss overboard of packaged dangerous

		goods, including those in freight containers, portable tanks, road and rail vehicles and ship-borne barges, into the sea.
enumeration	6	Report submitted when an incident takes place involving the discharge or probable discharge of oil or noxious liquid substances in bulk.
enumeration	7	In the case of the loss or likely loss overboard of harmful substances in packaged form, including those in freight containers, portable tanks, road and rail vehicles and ship-borne barges identified in the International Maritime Goods Code as marine pollutants.
enumeration	8	Any other type of non-defined report that is made in accordance with the system procedures as notified in accordance with paragraph 9 of the general principles.
Used by	Attribute	categoryOfShipReportType/@code
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type ShipReport_categoryOfShipReportLabel

Namespace	http://www.ihc.int/S127/2.0	
Annotations	Custom enum: ShipReport/categoryOfShipReport	
Diagram	<pre> classDiagram class ShipReport_categoryOfShipReportLabel { <<Custom enum: ShipReport/categoryOfShipReport>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } ShipReport_categoryOfShipReportLabel "0..1" -- "1" xsString </pre>	
Type	restriction of xs:string	
Facets	enumeration	Sailing Plan
	enumeration	Position Report
	enumeration	Deviation Report
	enumeration	Final Report
	enumeration	Dangerous Goods Report
	enumeration	Harmful Substances Report
	enumeration	Marine Pollutants Report
	enumeration	Any Other Report
Used by	Complex Type	ShipReport_categoryOfShipReportType
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type ShipReport_categoryOfShipReportCode

Namespace	http://www.ihc.int/S127/2.0	
Annotations	Custom enum: ShipReport/categoryOfShipReport	
Diagram	<pre> classDiagram class ShipReport_categoryOfShipReportCode { <<Custom enum: ShipReport/categoryOfShipReport>> } class xsInteger { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } ShipReport_categoryOfShipReportCode "0..1" -- "1" xsInteger </pre>	
Type	restriction of xs:integer	
Facets	enumeration	1 Before or as near as possible to the time of departure from a port within a system or when entering the area covered by a system (for instance A, B, J, X etc.).
	enumeration	2 When necessary to ensure effective operation of the system.
	enumeration	3 When the ships position varies significantly from the position that would have been predicted from previous reports; when changing the reported route; or as decided by the master.

	enumeration	4	On arrival at the destination or on leaving the area covered by the system.
	enumeration	5	When an incident takes place involving the loss or likely loss overboard of packaged dangerous goods, including those in freight containers, portable tanks, road and rail vehicles and ship-borne barges, into the sea.
	enumeration	6	Report submitted when an incident takes place involving the discharge or probable discharge of oil or noxious liquid substances in bulk.
	enumeration	7	In the case of the loss or likely loss overboard of harmful substances in packaged form, including those in freight containers, portable tanks, road and rail vehicles and ship-borne barges identified in the International Maritime Goods Code as marine pollutants.
	enumeration	8	Any other type of non-defined report that is made in accordance with the system procedures as notified in accordance with paragraph 9 of the general principles.
Used by	Attribute	ShipReport_categoryOfShipReportType/@code	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type categoryOfSignalStationTrafficLabel

Namespace	http://www.oho.int/S127/2.0																																			
Annotations	Classification of station based on the traffic service provided.																																			
Diagram																																				
Type	restriction of xs:string																																			
Facets	<table border="1"> <tr> <td>enumeration</td> <td>Port Control</td> <td>1: A signal station for the control of vessels within a port.</td> </tr> <tr> <td>enumeration</td> <td>Port Entry and Departure</td> <td>2: A signal station for the control of vessels entering or leaving a port.</td> </tr> <tr> <td>enumeration</td> <td>International Port Traffic</td> <td>3: A signal station displaying International Port Traffic signals.</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>Dock</td> <td>5: A signal station for the control of vessels entering or leaving a dock.</td> </tr> <tr> <td>enumeration</td> <td>Lock</td> <td>6: A signal station for the control of vessels entering or leaving a lock.</td> </tr> <tr> <td>enumeration</td> <td>Flood Barrage Station</td> <td>7: A signal station for the control of vessels wishing to pass through a flood control barrage.</td> </tr> <tr> <td>enumeration</td> <td>Bridge Passage</td> <td>8: A signal station for the control of vessels wishing to pass under a bridge.</td> </tr> <tr> <td>enumeration</td> <td>Dredging</td> <td>9: A signal station indicating when dredging is in progress.</td> </tr> <tr> <td>enumeration</td> <td>Traffic Control Light</td> <td>10: Visual signal lights placed in a waterway to indicate to shipping the movements authorized at the time at which they are shown.</td> </tr> <tr> <td>enumeration</td> <td>Oncoming Traffic Indication</td> <td>13: Indicates the oncoming traffic on an inland waterway.</td> </tr> </table>			enumeration	Port Control	1: A signal station for the control of vessels within a port.	enumeration	Port Entry and Departure	2: A signal station for the control of vessels entering or leaving a port.	enumeration	International Port Traffic	3: A signal station displaying International Port Traffic signals.	enumeration	Berthing	4: A signal station for the control of vessels when berthing.	enumeration	Dock	5: A signal station for the control of vessels entering or leaving a dock.	enumeration	Lock	6: A signal station for the control of vessels entering or leaving a lock.	enumeration	Flood Barrage Station	7: A signal station for the control of vessels wishing to pass through a flood control barrage.	enumeration	Bridge Passage	8: A signal station for the control of vessels wishing to pass under a bridge.	enumeration	Dredging	9: A signal station indicating when dredging is in progress.	enumeration	Traffic Control Light	10: Visual signal lights placed in a waterway to indicate to shipping the movements authorized at the time at which they are shown.	enumeration	Oncoming Traffic Indication	13: Indicates the oncoming traffic on an inland waterway.
enumeration	Port Control	1: A signal station for the control of vessels within a port.																																		
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Used by	Complex Type	categoryOfSignalStationTrafficType																																		
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																																			

Simple Type categoryOfSignalStationTrafficCode

Namespace	http://www.oho.int/S127/2.0
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Annotations	Classification of station based on the traffic service provided.	
Diagram		Classification of station based on the traffic service provided. 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		
Facets	enumeration	1 A signal station for the control of vessels within a port.
	enumeration	2 A signal station for the control of vessels entering or leaving a port.
	enumeration	3 A signal station displaying International Port Traffic signals.
	enumeration	4 A signal station for the control of vessels when berthing.
	enumeration	5 A signal station for the control of vessels entering or leaving a dock.
	enumeration	6 A signal station for the control of vessels entering or leaving a lock.
	enumeration	7 A signal station for the control of vessels wishing to pass through a flood control barrage.
	enumeration	8 A signal station for the control of vessels wishing to pass under a bridge.
	enumeration	9 A signal station indicating when dredging is in progress.
	enumeration	10 Visual signal lights placed in a waterway to indicate to shipping the movements authorized at the time at which they are shown.
	enumeration	13 Indicates the oncoming traffic on an inland waterway.
Used by	Attribute	categoryOfSignalStationTrafficType/@code
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type SignalStationTraffic_categoryOfSignalStationTrafficLabel

Namespace	http://www.ihointerfaces.org/S127/2.0	
Annotations	Custom enum: SignalStationTraffic/categoryOfSignalStationTraffic	
Diagram		Custom enum: SignalStationTraffic/categoryOfSignalStationTraffic Built-in primitive type. The string datatype represents character strings in XML.
Type	restriction of xs:string	
Facets		
Facets	enumeration	Port Control
	enumeration	Port Entry and Departure
	enumeration	International Port Traffic
	enumeration	Berthing
	enumeration	Dock
	enumeration	Lock
	enumeration	Flood Barrage Station
	enumeration	Bridge Passage
	enumeration	Dredging
	enumeration	Traffic Control Light
	enumeration	Oncoming Traffic Indication
Used by	Complex Type	SignalStationTraffic_categoryOfSignalStationTrafficType
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type SignalStationTraffic_categoryOfSignalStationTrafficCode

Namespace	http://www.ihoint/S127/2.0																																		
Annotations	Custom enum: SignalStationTraffic/categoryOfSignalStationTraffic																																		
Diagram	<p>Custom enum: SignalStationTraffic/categoryOfSignalStationTraffic</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>A signal station for the control of vessels within a port.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>A signal station for the control of vessels entering or leaving a port.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>A signal station displaying International Port Traffic signals.</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>A signal station for the control of vessels entering or leaving a dock.</td> </tr> <tr> <td>enumeration</td> <td>6</td> <td>A signal station for the control of vessels entering or leaving a lock.</td> </tr> <tr> <td>enumeration</td> <td>7</td> <td>A signal station for the control of vessels wishing to pass through a flood control barrage.</td> </tr> <tr> <td>enumeration</td> <td>8</td> <td>A signal station for the control of vessels wishing to pass under a bridge.</td> </tr> <tr> <td>enumeration</td> <td>9</td> <td>A signal station indicating when dredging is in progress.</td> </tr> <tr> <td>enumeration</td> <td>10</td> <td>Visual signal lights placed in a waterway to indicate to shipping the movements authorized at the time at which they are shown.</td> </tr> <tr> <td>enumeration</td> <td>13</td> <td>Indicates the oncoming traffic on an inland waterway.</td> </tr> </table>		enumeration	1	A signal station for the control of vessels within a port.	enumeration	2	A signal station for the control of vessels entering or leaving a port.	enumeration	3	A signal station displaying International Port Traffic signals.	enumeration	4	A signal station for the control of vessels when berthing.	enumeration	5	A signal station for the control of vessels entering or leaving a dock.	enumeration	6	A signal station for the control of vessels entering or leaving a lock.	enumeration	7	A signal station for the control of vessels wishing to pass through a flood control barrage.	enumeration	8	A signal station for the control of vessels wishing to pass under a bridge.	enumeration	9	A signal station indicating when dredging is in progress.	enumeration	10	Visual signal lights placed in a waterway to indicate to shipping the movements authorized at the time at which they are shown.	enumeration	13	Indicates the oncoming traffic on an inland waterway.
enumeration	1	A signal station for the control of vessels within a port.																																	
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enumeration	13	Indicates the oncoming traffic on an inland waterway.																																	
Used by	Attribute	SignalStationTraffic_categoryOfSignalStationTrafficType/@code																																	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																																		

Simple Type categoryOfSignalStationWarningLabel

Namespace	http://www.ihoint/S127/2.0																												
Annotations	Classification of station based on the warning service provided.																												
Diagram	<p>Classification of station based on the warning service provided.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>																												
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enumeration	Tide	10: A signal or message conveying information on tidal conditions in the area in question.
enumeration	Tidal Stream	11: A signal or message conveying information on condition of tidal currents in the area in question.
enumeration	Tide Gauge	12: A device for measuring the height of tide. A graduated staff in a sheltered area where visual observations can be made or it may consist of an elaborate recording instrument making a continuous graphic record of tide height against time. Such an instrument is usually actuated by a float in a pipe communicating with the sea through a small hole which filters out shorter waves.
enumeration	Tide Scale	13: A visual scale which directly shows the height of the water above chart datum or a local datum.
enumeration	Diving	14: A signal or message warning of diving activity.
enumeration	Water Level Gauge	15: A device for measuring and conveying information about the water level (non-tidal) in the area in question.
enumeration	Vertical Clearance Indication	16: An indication of the vertical clearance of a bridge, overhead cable, etc.
enumeration	High Water Mark	17: An indication of the official high water level.
enumeration	Depth Indication	18: An indication of the local depth.
Used by	Complex Type	categoryOfSignalStationWarningType
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type categoryOfSignalStationWarningCode

Namespace	http://www.ihc.int/S127/2.0																												
Annotations	Classification of station based on the warning service provided.																												
Diagram	<pre> classDiagram class categoryOfSignalStationWarningCode { <<Classification of station based on the warning service provided.>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } categoryOfSignalStationWarningCode "0..1" -- "1..1" xs_integer </pre>																												
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enumeration	13	A visual scale which directly shows the height of the water above chart datum or a local datum.
enumeration	14	A signal or message warning of diving activity.
enumeration	15	A device for measuring and conveying information about the water level (non-tidal) in the area in question.
enumeration	16	An indication of the vertical clearance of a bridge, overhead cable, etc.
enumeration	17	An indication of the official high water level.
enumeration	18	An indication of the local depth.
Used by	Attribute	categoryOfSignalStationWarningType/@code
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type SignalStationWarning_categoryOfSignalStationWarningLabel

Namespace	http://www.ihoint/S127/2.0	
Annotations	Custom enum: SignalStationWarning/categoryOfSignalStationWarning	
Diagram	<pre> classDiagram class SignalStationWarning_categoryOfSignalStationWarningLabel { <<Custom enum: SignalStationWarning/categoryOfSignalStationWarning>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } SignalStationWarning_categoryOfSignalStationWarningLabel "1" -- "0..1" xs_string </pre>	
Type	restriction of xs:string	
Facets	enumeration	Danger
	enumeration	Maritime Obstruction
	enumeration	Cable
	enumeration	Military Practice
	enumeration	Distress
	enumeration	Weather
	enumeration	Storm
	enumeration	Ice Warning
	enumeration	Time
	enumeration	Tide
	enumeration	Tidal Stream
	enumeration	Tide Gauge
	enumeration	Tide Scale
	enumeration	Diving
	enumeration	Water Level Gauge
	enumeration	Vertical Clearance Indication
	enumeration	High Water Mark
	enumeration	Depth Indication
Used by	Complex Type	SignalStationWarning_categoryOfSignalStationWarningType

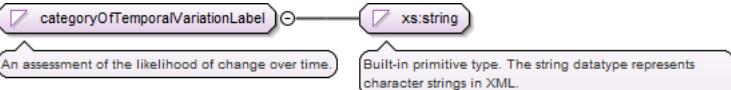
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd
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Simple Type SignalStationWarning_categoryOfSignalStationWarningCode

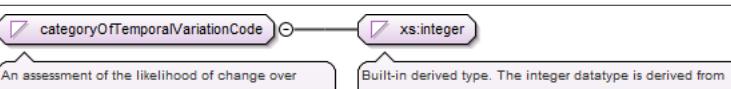
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Used by	Attribute	SignalStationWarning_categoryOfSignalStationWarningType/@code																																																						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																																																							

Simple Type categoryOfTemporalVariationLabel

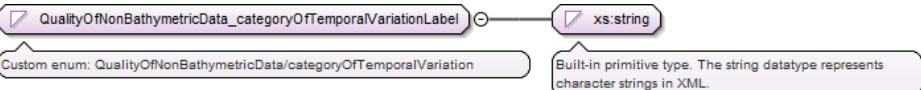
Namespace	http://www.ihodata.org/S127/2.0
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Annotations	An assessment of the likelihood of change over time.		
Diagram			
Type	restriction of xs:string		
Facets	enumeration	Extreme Event	1: Indication of the possible impact of a significant event (for 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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type categoryOfTemporalVariationCode

Namespace	http://www.ihodata.com/S127/2.0		
Annotations	An assessment of the likelihood of change over time.		
Diagram			
Type	restriction of xs:integer		
	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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type QualityOfNonBathymetricData_categoryOfTemporalVariationLabel

Namespace	http://www.ihodata.com/S127/2.0		
Annotations	Custom enum: QualityOfNonBathymetricData/categoryOfTemporalVariation		
Diagram			
Type	restriction of xs:string		
Facets	enumeration	Extreme Event	
	enumeration	Likely to Change	
	enumeration	Unlikely to Change	
	enumeration	Unassessed	

Used by	Complex Type	QualityOfNonBathymetricData_categoryOfTemporalVariationType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type QualityOfNonBathymetricData_categoryOfTemporalVariationCode

Namespace	http://www.ihodata.org/S127/2.0														
Annotations	Custom enum: QualityOfNonBathymetricData/categoryOfTemporalVariation														
Diagram	<p>Diagram illustrating the derivation of the simple type QualityOfNonBathymetricData_categoryOfTemporalVariationCode from the built-in datatype xs:integer. The class is shown with a generalization arrow pointing to xs:integer.</p>														
Type	restriction of xs:integer														
Facets	<table border="1"> <tr> <td>enumeration</td> <td>1</td> <td>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</td> <td>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</td> <td>Significant change to the seafloor is not expected.</td> </tr> <tr> <td>enumeration</td> <td>6</td> <td>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.
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Used by	Attribute QualityOfNonBathymetricData_categoryOfTemporalVariationType/@code														
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd														

Simple Type categoryOfTextLabel

Namespace	http://www.ihodata.org/S127/2.0											
Annotations	Classification of completeness of textual information in relation to the source material from which it is derived.											
Diagram	<p>Diagram illustrating the derivation of the simple type categoryOfTextLabel from the built-in primitive datatype xs:string. The class is shown with a generalization arrow pointing to xs:string.</p>											
Type	restriction of xs:string											
Facets	<table border="1"> <tr> <td>enumeration</td> <td>Abstract or Summary</td> <td>1: A statement summarizing the important points of a text.</td> </tr> <tr> <td>enumeration</td> <td>Extract</td> <td>2: An excerpt or excerpts from a text.</td> </tr> <tr> <td>enumeration</td> <td>Full Text</td> <td>3: The whole text.</td> </tr> </table>			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.
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enumeration	Extract	2: An excerpt or excerpts from a text.										
enumeration	Full Text	3: The whole text.										
Used by	Complex Type categoryOfTextType											
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd											

Simple Type categoryOfTextCode

Namespace	http://www.ihodata.org/S127/2.0		
Annotations	Classification of completeness of textual information in relation to the source material from which it is derived.		
Diagram	<p>Diagram illustrating the derivation of the simple type categoryOfTextCode from the built-in derived datatype xs:integer. The class is shown with a generalization arrow pointing to xs:integer.</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
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type textContent_categoryOfTextLabel

Namespace	http://www.ihoint/S127/2.0							
Annotations	Restricted values of textContent/categoryOfText							
Diagram	<p>The diagram shows a UML class named 'textContent_categoryOfTextLabel' with a generalization relationship indicated by a hollow circle to its superclass 'xs:string'. Below the class name, a callout box labeled 'Restricted values of textContent/categoryOfText' points to the class. Another callout box labeled 'Built-in primitive type. The string datatype represents character strings in XML.' points to the superclass 'xs:string'.</p>							
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Facets	<table border="1"> <tr> <td>enumeration</td> <td>Abstract or Summary</td> </tr> <tr> <td>enumeration</td> <td>Extract</td> </tr> <tr> <td>enumeration</td> <td>Full Text</td> </tr> </table>		enumeration	Abstract or Summary	enumeration	Extract	enumeration	Full Text
enumeration	Abstract or Summary							
enumeration	Extract							
enumeration	Full Text							
Used by	Complex Type	textContent_categoryOfTextType						
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd							

Simple Type textContent_categoryOfTextCode

Namespace	http://www.ihoint/S127/2.0							
Annotations	Restricted values of textContent/categoryOfText							
Diagram	<p>The diagram shows a UML class named 'textContent_categoryOfTextCode' with a generalization relationship indicated by a hollow circle to its superclass 'xs:integer'. Below the class name, a callout box labeled 'Restricted values of textContent/categoryOfText' points to the class. Another callout box labeled 'Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...' points to the superclass 'xs:integer'.</p>							
Type	restriction of xs:integer							
Facets	<table border="1"> <tr> <td>enumeration</td> <td>1 A statement summarizing the important points of a text.</td> </tr> <tr> <td>enumeration</td> <td>2 An excerpt or excerpts from a text.</td> </tr> <tr> <td>enumeration</td> <td>3 The whole text.</td> </tr> </table>		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.
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enumeration	2 An excerpt or excerpts from a text.							
enumeration	3 The whole text.							
Used by	Attribute	textContent_categoryOfTextType/@code						
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd							

Simple Type categoryOfTrafficSeparationSchemeLabel

Namespace	http://www.ihoint/S127/2.0					
Annotations	International classification of traffic separation scheme.					
Diagram	<p>The diagram shows a UML class named 'categoryOfTrafficSeparationSchemeLabel' with a generalization relationship indicated by a hollow circle to its superclass 'xs:string'. Below the class name, a callout box labeled 'International classification of traffic separation scheme.' points to the class. Another callout box labeled 'Built-in primitive type. The string datatype represents character strings in XML.' points to the superclass 'xs:string'.</p>					
Type	restriction of xs:string					
Facets	<table border="1"> <tr> <td>enumeration</td> <td>IMO Adopted 1: A defined maritime traffic route that has been adopted as an IMO routing measure.</td> </tr> <tr> <td>enumeration</td> <td>Not IMO - Adopted 2: A defined Traffic Separation Scheme that has not been adopted as an IMO routing measure.</td> </tr> </table>		enumeration	IMO Adopted 1: A defined maritime traffic route that has been adopted as an IMO routing measure.	enumeration	Not IMO - Adopted 2: A defined Traffic Separation Scheme that has not been adopted as an IMO routing measure.
enumeration	IMO Adopted 1: A defined maritime traffic route that has been adopted as an IMO routing measure.					
enumeration	Not IMO - Adopted 2: A defined Traffic Separation Scheme that has not been adopted as an IMO routing measure.					

Used by	Complex Type	categoryOfTrafficSeparationSchemeType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type categoryOfTrafficSeparationSchemeCode

Namespace	http://www.ihc.int/S127/2.0	
Annotations	International classification of traffic separation scheme.	
Diagram	<p>International classification of traffic separation scheme.</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 defined maritime traffic route that has been adopted as an IMO routeing measure.
	enumeration	2 A defined Traffic Separation Scheme that has not been adopted as an IMO routing measure.
Used by	Attribute	categoryOfTrafficSeparationSchemeType/@code
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type RouteingMeasure_categoryOfTrafficSeparationSchemeLabel

Namespace	http://www.ihc.int/S127/2.0	
Annotations	Custom enum: RouteingMeasure/categoryOfTrafficSeparationScheme	
Diagram	<p>Custom enum: RouteingMeasure/categoryOfTrafficSeparationScheme</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	restriction of xs:string	
Facets	enumeration	IMO Adopted
	enumeration	Not IMO - Adopted
Used by	Complex Type	RouteingMeasure_categoryOfTrafficSeparationSchemeType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type RouteingMeasure_categoryOfTrafficSeparationSchemeCode

Namespace	http://www.ihc.int/S127/2.0	
Annotations	Custom enum: RouteingMeasure/categoryOfTrafficSeparationScheme	
Diagram	<p>Custom enum: RouteingMeasure/categoryOfTrafficSeparationScheme</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 defined maritime traffic route that has been adopted as an IMO routeing measure.
	enumeration	2 A defined Traffic Separation Scheme that has not been adopted as an IMO routing measure.
Used by	Attribute	RouteingMeasure_categoryOfTrafficSeparationSchemeType/@code
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type categoryOfVesselRegistryLabel

Namespace	http://www.ihc.int/S127/2.0	
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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> graph LR A[categoryOfVesselRegistryLabel] --> B(xs:string) </pre> <p>The diagram shows a UML class named "categoryOfVesselRegistryLabel" connected by an association arrow to a "xs:string" node. A callout box points to the class with the text "The locality of vessel registration or enrolment relative to the nationality of a port, territorial sea, administrative...". Another callout box points to the "xs:string" node with the text "Built-in primitive type. The string datatype represents character strings in XML.".</p>		
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	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type categoryOfVesselRegistryCode

Namespace	http://www.ihc.int/S127/2.0		
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> graph LR A[categoryOfVesselRegistryCode] --> B(xs:integer) </pre> <p>The diagram shows a UML class named "categoryOfVesselRegistryCode" connected by an association arrow to a "xs:integer" node. A callout box points to the class with the text "The locality of vessel registration or enrolment relative to the nationality of a port, territorial sea, administrative...". Another callout box points to the "xs:integer" node 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	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	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type Applicability_categoryOfVesselRegistryLabel

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Custom enum: Applicability/categoryOfVesselRegistry		
Diagram	<pre> graph LR A[Applicability_categoryOfVesselRegistryLabel] --> B(xs:string) </pre> <p>The diagram shows a UML class named "Applicability_categoryOfVesselRegistryLabel" connected by an association arrow to a "xs:string" node. A callout box points to the class with the text "Custom enum: Applicability/categoryOfVesselRegistry". Another callout box points to the "xs:string" node with the text "Built-in primitive type. The string datatype represents character strings in XML.".</p>		
Type	restriction of xs:string		
Facets	enumeration	Domestic	
	enumeration	Foreign	
Used by	Complex Type	Applicability_categoryOfVesselRegistryType	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type Applicability_categoryOfVesselRegistryCode

Namespace	http://www.ihc.int/S127/2.0							
Annotations	Custom enum: Applicability/categoryOfVesselRegistry							
Diagram	<pre> classDiagram class Applicability_categoryOfVesselRegistryCode { <<Custom enum: Applicability/categoryOfVesselRegistry>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This..>> } Applicability_categoryOfVesselRegistryCode "1" -- "0..1" xs_integer </pre>	<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	<table border="1"> <tr> <td>enumeration</td> <td>1</td> <td>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.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>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.</td> </tr> </table>	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.	
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 Applicability_categoryOfVesselRegistryType/@code							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd							

Simple Type cityNameType

Namespace	http://www.ihc.int/S127/2.0	
Annotations	The name of a town or city.	
Diagram	<pre> classDiagram class cityNameType { <<The name of a town or city.>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } cityNameType "1" -- "0..1" xs_string </pre>	<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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type communicationChannelType

Namespace	http://www.ihc.int/S127/2.0	
Annotations	A channel number assigned to a specific radio frequency, frequencies or frequency band.	
Diagram	<pre> classDiagram class communicationChannelType { <<A channel number assigned to a specific radio frequency, frequencies or frequency band.>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } communicationChannelType "1" -- "0..1" xs_string </pre>	<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	Elements ContactDetailsType/communicationChannel, PilotBoardingPlaceType/communicationChannel, PilotageDistrictType/communicationChannel, PlaceOfRefugeType/communicationChannel, RadarRangeType/communicationChannel, RadioCallingInPointType/communicationChannel, SignalStationTrafficType/communicationChannel, SignalStationWarningType/communicationChannel	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type comparisonOperatorLabel

Namespace	http://www.ihc.int/S127/2.0	
Annotations	Numerical comparison.	
Diagram	<pre> classDiagram class comparisonOperatorLabel { <<Numerical comparison.>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } comparisonOperatorLabel "1" -- "0..1" xs_string </pre>	<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	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type comparisonOperatorCode

Namespace	http://www.ihc.int/S127/2.0																				
Annotations	Numerical comparison.																				
Diagram	<p>The diagram shows a UML class named 'comparisonOperatorCode' with a directed association to another class 'xs:integer'. A callout box below 'comparisonOperatorCode' indicates it is a 'Numerical comparison.' A callout box below 'xs:integer' indicates it is a '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 value of the left value is greater than that of the right.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>The value of the left expression is greater than or equal to that of the right.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>The value of the left expression is less than that of the right.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>The value of the left expression is less than or equal to that of the right.</td> </tr> <tr> <td>enumeration</td> <td>5</td> <td>The two values are equivalent.</td> </tr> <tr> <td>enumeration</td> <td>6</td> <td>The two values are not equivalent.</td> </tr> </table>			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.
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																			
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																				

Simple Type vesselMeasurementsSpecification_comparisonOperatorLabel

Namespace	http://www.ihc.int/S127/2.0																				
Annotations	Restricted values of vesselMeasurementsSpecification/comparisonOperator																				
Diagram	<p>The diagram shows a UML class named 'vesselMeasurementsSpecification_comparisonOperatorLabel' with a directed association to another class 'xs:string'. A callout box below 'vesselMeasurementsSpecification_comparisonOperatorLabel' indicates it is 'Restricted values of vesselMeasurementsSpecification/comparisonOperator'. A callout box below 'xs:string' indicates it is a '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>Greater Than</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Greater Than or Equal To</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Less Than</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Less Than or Equal To</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Equal To</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Not Equal To</td> <td></td> </tr> </table>			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	
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																			
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																				

Simple Type vesselMeasurementsSpecification_comparisonOperatorCode

Namespace	http://www.ihc.int/S127/2.0	
Annotations	Restricted values of vesselMeasurementsSpecification/comparisonOperator	
Diagram	<pre> classDiagram class vesselMeasurementsSpecification_comparisonOperatorCode { <<Restricted values of vesselMeasurementsSpecification/comparisonOperator>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } vesselMeasurementsSpecification_comparisonOperatorCode < -- xs_integer </pre>	<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	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	vesselMeasurementsSpecification_comparisonOperatorType/@code
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type conditionLabel

Namespace	http://www.ihc.int/S127/2.0	
Annotations	The various conditions of buildings and other constructions.	
Diagram	<pre> classDiagram class conditionLabel { <<The various conditions of buildings and other constructions.>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } conditionLabel < -- xs_string </pre>	<p>The various conditions of buildings and other constructions.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	restriction of xs:string	
Facets	enumeration Under Construction	1: Being built but not yet capable of function.
	enumeration Under Reclamation	3: An area of the sea, a lake or the navigable part of a river that is being reclaimed as land, usually by the dumping of earth and other material.
	enumeration Planned Construction	5: Detailed planning has been completed but construction has not been initiated.
Used by	Complex Type	conditionType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type conditionCode

Namespace	http://www.ihc.int/S127/2.0	
Annotations	The various conditions of buildings and other constructions.	
Diagram	<pre> classDiagram class conditionCode { <<The various conditions of buildings and other constructions.>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } conditionCode < -- xs_integer </pre>	<p>The various conditions of buildings and other constructions.</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	Being built but not yet capable of function.
	enumeration 3	An area of the sea, a lake or the navigable part of a river that is being reclaimed as land, usually by the dumping of earth and other material.

	enumeration	5	Detailed planning has been completed but construction has not been initiated.
Used by	Attribute	conditionType/@code	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type CautionArea_conditionLabel

Namespace	http://www.ih0.int/S127/2.0		
Annotations	Custom enum: CautionArea/condition		
Diagram	<pre> classDiagram class CautionArea_conditionLabel { <<Custom enum: CautionArea/condition>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } CautionArea_conditionLabel --> xsString </pre>		
Type	restriction of xs:string		
Facets	enumeration	Under Construction	
	enumeration	Under Reclamation	
	enumeration	Planned Construction	
Used by	Complex Type	CautionArea_conditionType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type CautionArea_conditionCode

Namespace	http://www.ih0.int/S127/2.0		
Annotations	Custom enum: CautionArea/condition		
Diagram	<pre> classDiagram class CautionArea_conditionCode { <<Custom enum: CautionArea/condition>> } class xsInteger { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } CautionArea_conditionCode --> xsInteger </pre>		
Type	restriction of xs:integer		
Facets	enumeration	1	Being built but not yet capable of function.
	enumeration	3	An area of the sea, a lake or the navigable part of a river that is being reclaimed as land, usually by the dumping of earth and other material.
	enumeration	5	Detailed planning has been completed but construction has not been initiated.
Used by	Attribute	CautionArea_conditionType/@code	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type contactInstructionsType

Namespace	http://www.ih0.int/S127/2.0		
Annotations	Instructions provided on how to contact a particular person, organisation or service.		
Diagram	<pre> classDiagram class contactInstructionsType { <<Instructions provided on how to contact a particular person, organisation or service.>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } contactInstructionsType --> xsString </pre>		
Type	xs:string		
Used by	Elements	ContactDetailsType/contactInstructions, telecommunicationsType/contactInstructions	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type countryNameType

Namespace	http://www.ih0.int/S127/2.0		
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Annotations	The name of a nation.
Diagram	<pre> classDiagram class countryNameType class xsString countryNameType < -- xsString </pre> <p>The diagram shows a UML class named "countryNameType" connected by a generalization arrow to another class named "xs:string". Below the classes are two callouts: one pointing to "countryNameType" containing the text "The name of a nation.", and another pointing to "xs:string" containing the text "Built-in primitive type. The string datatype represents character strings in XML.".</p>
Type	xs:string
Used by	Elements contactAddressType/countryName, sourceIndicationType/countryName
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type dateVariableType

Namespace	http://www.ihc.int/S127/2.0
Annotations	A day which is not fixed in the Gregorian calendar.
Diagram	<pre> classDiagram class dateVariableType class xsString dateVariableType < -- xsString </pre> <p>The diagram shows a UML class named "dateVariableType" connected by a generalization arrow to another class named "xs:string". Below the classes are two callouts: one pointing to "dateVariableType" containing the text "A day which is not fixed in the Gregorian calendar.", and another pointing to "xs:string" containing the text "Built-in primitive type. The string datatype represents character strings in XML.".</p>
Type	xs:string
Used by	Element NonStandardWorkingDayType/dateVariable
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type dayOfWeekLabel

Namespace	http://www.ihc.int/S127/2.0																					
Annotations	Any one of seven days in a week.																					
Diagram	<pre> classDiagram class dayOfWeekLabel class xsString dayOfWeekLabel < -- xsString </pre> <p>The diagram shows a UML class named "dayOfWeekLabel" connected by a generalization arrow to another class named "xs:string". Below the classes are two callouts: one pointing to "dayOfWeekLabel" containing the text "Any one of seven days in a week.", and another pointing to "xs:string" containing 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>Sunday</td> <td>1: The first day of the week.</td> </tr> <tr> <td>enumeration</td> <td>Monday</td> <td>2: The second day of the week.</td> </tr> <tr> <td>enumeration</td> <td>Tuesday</td> <td>3: The third day of the week.</td> </tr> <tr> <td>enumeration</td> <td>Wednesday</td> <td>4: The fourth day of the week.</td> </tr> <tr> <td>enumeration</td> <td>Thursday</td> <td>5: The fifth day of the week.</td> </tr> <tr> <td>enumeration</td> <td>Friday</td> <td>6: The sixth day of the week.</td> </tr> <tr> <td>enumeration</td> <td>Saturday</td> <td>7: The seventh day of the week.</td> </tr> </table>	enumeration	Sunday	1: The first day of the week.	enumeration	Monday	2: The second day of the week.	enumeration	Tuesday	3: The third day of the week.	enumeration	Wednesday	4: The fourth day of the week.	enumeration	Thursday	5: The fifth day of the week.	enumeration	Friday	6: The sixth day of the week.	enumeration	Saturday	7: The seventh day of the week.
enumeration	Sunday	1: The first day of the week.																				
enumeration	Monday	2: The second day of the week.																				
enumeration	Tuesday	3: The third day of the week.																				
enumeration	Wednesday	4: The fourth day of the week.																				
enumeration	Thursday	5: The fifth day of the week.																				
enumeration	Friday	6: The sixth day of the week.																				
enumeration	Saturday	7: The seventh day of the week.																				
Used by	Complex Type dayOfWeekType																					
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																					

Simple Type dayOfWeekCode

Namespace	http://www.ihc.int/S127/2.0						
Annotations	Any one of seven days in a week.						
Diagram	<pre> classDiagram class dayOfWeekCode class xsInteger dayOfWeekCode < -- xsInteger </pre> <p>The diagram shows a UML class named "dayOfWeekCode" connected by a generalization arrow to another class named "xs:integer". Below the classes are two callouts: one pointing to "dayOfWeekCode" containing the text "Any one of seven days in a week.", and another pointing to "xs:integer" containing 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>The first day of the week.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>The second day of the week.</td> </tr> </table>	enumeration	1	The first day of the week.	enumeration	2	The second day of the week.
enumeration	1	The first day of the week.					
enumeration	2	The second day of the week.					

	enumeration	3	The third day of the week.
	enumeration	4	The fourth day of the week.
	enumeration	5	The fifth day of the week.
	enumeration	6	The sixth day of the week.
	enumeration	7	The seventh day of the week.
Used by	Attribute	dayOfWeekType/@code	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type timeIntervalsByDayOfWeek_dayOfWeekLabel

Namespace	http://www.aho.int/S127/2.0		
Annotations	Restricted values of timeIntervalsByDayOfWeek/dayOfWeek		
Diagram			
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	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type timeIntervalsByDayOfWeek_dayOfWeekCode

Namespace	http://www.aho.int/S127/2.0		
Annotations	Restricted values of timeIntervalsByDayOfWeek/dayOfWeek		
Diagram			
Type	restriction of xs:integer		
Facets	enumeration	1	The first day of the week.
	enumeration	2	The second day of the week.
	enumeration	3	The third day of the week.
	enumeration	4	The fourth day of the week.
	enumeration	5	The fifth day of the week.
	enumeration	6	The sixth day of the week.
	enumeration	7	The seventh day of the week.
Used by	Attribute	timeIntervalsByDayOfWeek_dayOfWeekType/@code	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type dayOfWeekIsRangeType

Namespace	http://www.aho.int/S127/2.0		
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Annotations	A statement expressing if the days of the week identified define a range or not.
Diagram	<pre> classDiagram class dayOfWeekIsRangeType class xs.boolean dayOfWeekIsRangeType < -- xs.boolean </pre> <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
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type deliveryPointType

Namespace	http://www.ihc.int/S127/2.0
Annotations	Details of where post can be delivered such as the apartment, name and/or number of a street, building or PO Box.
Diagram	<pre> classDiagram class deliveryPointType class xs.string deliveryPointType < -- xs.string </pre> <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
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type destinationType

Namespace	http://www.ihc.int/S127/2.0
Annotations	The place or general direction to which a vessel is going or directed.
Diagram	<pre> classDiagram class destinationType class xs.string destinationType < -- xs.string </pre> <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	Elements ApplicabilityType/destination, PilotBoardingPlaceType/destination
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type distanceType

Namespace	http://www.ihc.int/S127/2.0
Annotations	A numeric measure of the spatial separation between two locations.
Diagram	<pre> classDiagram class distanceType class xs.decimal distanceType < -- xs.decimal </pre> <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
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type dynamicResourceLabel

Namespace	http://www.ihc.int/S127/2.0
Annotations	Whether a vessel must use a shore-based or other resource to obtain up-to-date information.

Diagram	<p><code>dynamicResourceLabel</code> ○—<code>xs:string</code></p> <p>Whether a vessel must use a shore-based or other resource to obtain up-to-date information.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	restriction of <code>xs:string</code>		
Facets	enumeration	Static	1: The information is static, or a source of up-to-date information is unavailable or unknown.
	enumeration	Mandatory External Dynamic	2: An external source of up-to-date information is available and interaction with it to obtain up-to-date information is required.
	enumeration	Optional External Dynamic	3: An external source of up-to-date information is available but interaction with it to obtain up-to-date information is not required.
	enumeration	Onboard Dynamic	4: Up-to-date information may be computed using only onboard resources.
Used by	Complex Type	<code>dynamicResourceType</code>	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type `dynamicResourceCode`

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Whether a vessel must use a shore-based or other resource to obtain up-to-date information.		
Diagram	<p><code>dynamicResourceCode</code> ○—<code>xs:integer</code></p> <p>Whether a vessel must use a shore-based or other resource to obtain up-to-date information.</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 <code>xs:integer</code>		
Facets	enumeration	1	The information is static, or a source of up-to-date information is unavailable or unknown.
	enumeration	2	An external source of up-to-date information is available and interaction with it to obtain up-to-date information is required.
	enumeration	3	An external source of up-to-date information is available but interaction with it to obtain up-to-date information is not required.
	enumeration	4	Up-to-date information may be computed using only onboard resources.
Used by	Attribute	<code>dynamicResourceType/@code</code>	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type `UnderKeelClearanceManagementArea_dynamicResourceLabel`

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Custom enum: UnderKeelClearanceManagementArea/dynamicResource		
Diagram	<p><code>UnderKeelClearanceManagementArea_dynamicResourceLabel</code> ○—<code>xs:string</code></p> <p>Custom enum: UnderKeelClearanceManagementArea/dynamicResource</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	restriction of <code>xs:string</code>		
Facets	enumeration	Static	
	enumeration	Mandatory External Dynamic	
	enumeration	Optional External Dynamic	
	enumeration	Onboard Dynamic	
Used by	Complex Type	<code>UnderKeelClearanceManagementArea_dynamicResourceType</code>	

Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd
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Simple Type UnderKeelClearanceManagementArea_dynamicResourceCode

Namespace	http://www.ihc.int/S127/2.0													
Annotations	Custom enum: UnderKeelClearanceManagementArea/dynamicResource													
Diagram	<pre> classDiagram class UnderKeelClearanceManagementArea_dynamicResourceCode { <<Custom enum: UnderKeelClearanceManagementArea/dynamicResource>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } UnderKeelClearanceManagementArea_dynamicResourceCode "1" -- "0..1" xs_integer </pre>													
Type	restriction of xs:integer													
Facets	<table> <tr> <td>enumeration</td> <td>1</td> <td>The information is static, or a source of up-to-date information is unavailable or unknown.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>An external source of up-to-date information is available and interaction with it to obtain up-to-date information is required.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>An external source of up-to-date information is available but interaction with it to obtain up-to-date information is not required.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>Up-to-date information may be computed using only onboard resources.</td> </tr> </table>		enumeration	1	The information is static, or a source of up-to-date information is unavailable or unknown.	enumeration	2	An external source of up-to-date information is available and interaction with it to obtain up-to-date information is required.	enumeration	3	An external source of up-to-date information is available but interaction with it to obtain up-to-date information is not required.	enumeration	4	Up-to-date information may be computed using only onboard resources.
enumeration	1	The information is static, or a source of up-to-date information is unavailable or unknown.												
enumeration	2	An external source of up-to-date information is available and interaction with it to obtain up-to-date information is required.												
enumeration	3	An external source of up-to-date information is available but interaction with it to obtain up-to-date information is not required.												
enumeration	4	Up-to-date information may be computed using only onboard resources.												
Used by	Attribute	UnderKeelClearanceManagementArea_dynamicResourceType/@code												
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd													

Simple Type waterwayArea_dynamicResourceLabel

Namespace	http://www.ihc.int/S127/2.0													
Annotations	Custom enum: WaterwayArea/dynamicResource													
Diagram	<pre> classDiagram class WaterwayArea_dynamicResourceLabel { <<Custom enum: WaterwayArea/dynamicResource>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } WaterwayArea_dynamicResourceLabel "1" -- "0..1" xs_string </pre>													
Type	restriction of xs:string													
Facets	<table> <tr> <td>enumeration</td> <td>Static</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Mandatory External Dynamic</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Optional External Dynamic</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Onboard Dynamic</td> <td></td> </tr> </table>		enumeration	Static		enumeration	Mandatory External Dynamic		enumeration	Optional External Dynamic		enumeration	Onboard Dynamic	
enumeration	Static													
enumeration	Mandatory External Dynamic													
enumeration	Optional External Dynamic													
enumeration	Onboard Dynamic													
Used by	Complex Type	WaterwayArea_dynamicResourceType												
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd													

Simple Type waterwayArea_dynamicResourceCode

Namespace	http://www.ihc.int/S127/2.0							
Annotations	Custom enum: WaterwayArea/dynamicResource							
Diagram	<pre> classDiagram class WaterwayArea_dynamicResourceCode { <<Custom enum: WaterwayArea/dynamicResource>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } WaterwayArea_dynamicResourceCode "1" -- "0..1" xs_integer </pre>							
Type	restriction of xs:integer							
Facets	<table> <tr> <td>enumeration</td> <td>1</td> <td>The information is static, or a source of up-to-date information is unavailable or unknown.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>An external source of up-to-date information is available and interaction with it to obtain up-to-date information is required.</td> </tr> </table>		enumeration	1	The information is static, or a source of up-to-date information is unavailable or unknown.	enumeration	2	An external source of up-to-date information is available and interaction with it to obtain up-to-date information is required.
enumeration	1	The information is static, or a source of up-to-date information is unavailable or unknown.						
enumeration	2	An external source of up-to-date information is available and interaction with it to obtain up-to-date information is required.						

	enumeration	3	An external source of up-to-date information is available but interaction with it to obtain up-to-date information is not required.
	enumeration	4	Up-to-date information may be computed using only onboard resources.
Used by	Attribute	WaterwayArea_dynamicResourceType/@code	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type fileLocatorType

Namespace	http://www.ihc.int/S127/2.0		
Annotations	The location of a fragment of text or other information in a support file.		
Diagram	<pre> classDiagram class fileLocatorType class xs_string fileLocatorType < -- xs_string </pre> <p>The diagram shows a UML class named 'fileLocatorType' connected by a generalization arrow to another class named 'xs:string'. A callout box points to the 'fileLocatorType' class with the text 'The location of a fragment of text or other information in a support file.' Another callout box points to the 'xs:string' class with the text 'Built-in primitive type. The string datatype represents character strings in XML.'</p>		
Type	xs:string		
Used by	Element	informationType/fileLocator	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type fileReferenceType

Namespace	http://www.ihc.int/S127/2.0		
Annotations	The file name of an externally referenced text file.		
Diagram	<pre> classDiagram class fileReferenceType class xs_string fileReferenceType < -- xs_string </pre> <p>The diagram shows a UML class named 'fileReferenceType' connected by a generalization arrow to another class named 'xs:string'. A callout box points to the 'fileReferenceType' class with the text 'The file name of an externally referenced text file.' Another callout box points to the 'xs:string' class with the text 'Built-in primitive type. The string datatype represents character strings in XML.'</p>		
Type	xs:string		
Used by	Element	informationType/fileReference	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type frequencyShoreStationReceivesType

Namespace	http://www.ihc.int/S127/2.0		
Annotations	The shore station receiver frequency.		
Diagram	<pre> classDiagram class frequencyShoreStationReceivesType class xs_integer frequencyShoreStationReceivesType < -- xs_integer </pre> <p>The diagram shows a UML class named 'frequencyShoreStationReceivesType' connected by a generalization arrow to another class named 'xs:integer'. A callout box points to the 'frequencyShoreStationReceivesType' class with the text 'The shore station receiver frequency.' Another callout box points to the 'xs:integer' class 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	minExclusive	0	
Used by	Element	frequencyPairType/frequencyShoreStationReceives	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type frequencyShoreStationTransmitsType

Namespace	http://www.ihc.int/S127/2.0		
Annotations	The shore station transmitter frequency.		
Diagram	<pre> classDiagram class frequencyShoreStationTransmitsType class xs_integer frequencyShoreStationTransmitsType < -- xs_integer </pre> <p>The diagram shows a UML class named 'frequencyShoreStationTransmitsType' connected by a generalization arrow to another class named 'xs:integer'. A callout box points to the 'frequencyShoreStationTransmitsType' class with the text 'The shore station transmitter frequency.' Another callout box points to the 'xs:integer' class 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	minExclusive	0
Used by	Element	frequencyPairType/frequencyShoreStationTransmits
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type headlineType

Namespace	http://www.ihc.int/S127/2.0	
Annotations	Words set at the head of a passage or page to introduce or categorize.	
Diagram	<pre> graph LR headlineType[headlineType] --> xsString(xs:string) </pre> <p>The diagram shows a UML class named 'headlineType' connected by a directed association to a class named 'xs:string'. A callout box points to the 'headlineType' class with the annotation: 'Words set at the head of a passage or page to introduce or categorize.' 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	Elements	informationType/headline, rxNCodeType/headline
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type horizontalDistanceUncertaintyType

Namespace	http://www.ihc.int/S127/2.0	
Annotations	The best estimate of the horizontal accuracy of horizontal clearances and distances.	
Diagram	<pre> graph LR horizontalDistanceUncertaintyType[horizontalDistanceUncertaintyType] --> xsDecimal(xs:decimal) </pre> <p>The diagram shows a UML class named 'horizontalDistanceUncertaintyType' connected by a directed association to a class named 'xs:decimal'. A callout box points to the 'horizontalDistanceUncertaintyType' class with the annotation: 'The best estimate of the horizontal accuracy of horizontal clearances and distances.' Another callout box points to the 'xs:decimal' class with the annotation: 'Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.'</p>	
Type	xs:decimal	
Used by	Element	QualityOfNonBathymetricDataType/horizontalDistanceUncertainty
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type iMOFormatForReportingType

Namespace	http://www.ihc.int/S127/2.0	
Annotations	Whether a report must be in an IMO standard format.	
Diagram	<pre> graph LR iMOFormatForReportingType[iMOFormatForReportingType] --> xsBoolean(xs:boolean) </pre> <p>The diagram shows a UML class named 'iMOFormatForReportingType' connected by a directed association to a class named 'xs:boolean'. A callout box points to the 'iMOFormatForReportingType' class with the annotation: 'Whether a report must be in an IMO standard format.' Another callout box points to the 'xs:boolean' class with the annotation: 'Built-in primitive type. It defines the boolean values true and false.'</p>	
Type	xs:boolean	
Used by	Element	ShipReportType/iMOFormatForReporting
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type interoperabilityIdentifierType

Namespace	http://www.ihc.int/S127/2.0	
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> graph LR interoperabilityIdentifierType[interoperabilityIdentifierType] --> xsAnyURI(xs:anyURI) </pre> <p>The diagram shows a UML class named 'interoperabilityIdentifierType' connected by a directed association to a class named 'xs:anyURI'. A callout box points to the 'interoperabilityIdentifierType' class with the annotation: 'A common unique identifier for entities which describe a single real-world feature, and which is used to identify...'. Another callout box points to the 'xs:anyURI' class with the annotation: '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

Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd
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Simple Type iSPSLevelLabel

Namespace	http://www.ihc.int/S127/2.0											
Annotations	Classification of ISPS security levels according to the ISPS Code.											
Diagram	<pre> graph LR iSPSLevelLabel[iSPSLevelLabel] --> xsString[xs:string] subgraph "Classification of ISPS security levels according to the ISPS Code." iSPSLevelLabel end subgraph "Built-in primitive type. The string datatype represents character strings in XML." xsString end </pre>											
Type	restriction of xs:string											
Facets	<table border="1"> <tr> <td>enumeration</td> <td>ISPS Level 1</td> <td>1: The level for which minimum appropriate protective security measures shall be maintained at all times.</td> </tr> <tr> <td>enumeration</td> <td>ISPS Level 2</td> <td>2: The level for which appropriate additional protective security measures shall be maintained for a period of time as a result of heightened risk of a security incident.</td> </tr> <tr> <td>enumeration</td> <td>ISPS Level 3</td> <td>3: The level for which further specific protective security measures shall be maintained for a limited period of time when a security incident is probable or imminent, although it may not be possible to identify the specific target.</td> </tr> </table>			enumeration	ISPS Level 1	1: The level for which minimum appropriate protective security measures shall be maintained at all times.	enumeration	ISPS Level 2	2: The level for which appropriate additional protective security measures shall be maintained for a period of time as a result of heightened risk of a security incident.	enumeration	ISPS Level 3	3: The level for which further specific protective security measures shall be maintained for a limited period of time when a security incident is probable or imminent, although it may not be possible to identify the specific target.
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enumeration	ISPS Level 2	2: The level for which appropriate additional protective security measures shall be maintained for a period of time as a result of heightened risk of a security incident.										
enumeration	ISPS Level 3	3: The level for which further specific protective security measures shall be maintained for a limited period of time when a security incident is probable or imminent, although it may not be possible to identify the specific target.										
Used by	Complex Type	iSPSLevelType										
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd											

Simple Type iSPSLevelCode

Namespace	http://www.ihc.int/S127/2.0											
Annotations	Classification of ISPS security levels according to the ISPS Code.											
Diagram	<pre> graph LR iSPSLevelCode[iSPSLevelCode] --> xsInteger[xs:integer] subgraph "Classification of ISPS security levels according to the ISPS Code." iSPSLevelCode end subgraph "Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This..." xsInteger end </pre>											
Type	restriction of xs:integer											
Facets	<table border="1"> <tr> <td>enumeration</td> <td>1</td> <td>The level for which minimum appropriate protective security measures shall be maintained at all times.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>The level for which appropriate additional protective security measures shall be maintained for a period of time as a result of heightened risk of a security incident.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>The level for which further specific protective security measures shall be maintained for a limited period of time when a security incident is probable or imminent, although it may not be possible to identify the specific target.</td> </tr> </table>			enumeration	1	The level for which minimum appropriate protective security measures shall be maintained at all times.	enumeration	2	The level for which appropriate additional protective security measures shall be maintained for a period of time as a result of heightened risk of a security incident.	enumeration	3	The level for which further specific protective security measures shall be maintained for a limited period of time when a security incident is probable or imminent, although it may not be possible to identify the specific target.
enumeration	1	The level for which minimum appropriate protective security measures shall be maintained at all times.										
enumeration	2	The level for which appropriate additional protective security measures shall be maintained for a period of time as a result of heightened risk of a security incident.										
enumeration	3	The level for which further specific protective security measures shall be maintained for a limited period of time when a security incident is probable or imminent, although it may not be possible to identify the specific target.										
Used by	Attribute	iSPSLevelType/@code										
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd											

Simple Type ISPSCodeSecurityLevel_iSPSLevelLabel

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Custom enum: ISPSCodeSecurityLevel/iSPSLevel		
Diagram	<pre> graph LR ISPSCodeSecurityLevel_iSPSLevelLabel[ISPSCodeSecurityLevel_iSPSLevelLabel] --> xsString[xs:string] subgraph "Custom enum: ISPSCodeSecurityLevel/iSPSLevel" ISPSCodeSecurityLevel_iSPSLevelLabel end subgraph "Built-in primitive type. The string datatype represents character strings in XML." xsString end </pre>		

Type	restriction of xs:string	
Facets	enumeration	ISPS Level 1
	enumeration	ISPS Level 2
	enumeration	ISPS Level 3
Used by	Complex Type	ISPSCodeSecurityLevel_iSPSLevelType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type ISPSCodeSecurityLevel_iSPSLevelCode

Namespace	http://www.oho.int/S127/2.0	
Annotations	Custom enum: ISPSCodeSecurityLevel/iSPSLevel	
Diagram	<p>Custom enum: ISPSCodeSecurityLevel/iSPSLevel</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 level for which minimum appropriate protective security measures shall be maintained at all times.
	enumeration	2 The level for which appropriate additional protective security measures shall be maintained for a period of time as a result of heightened risk of a security incident.
	enumeration	3 The level for which further specific protective security measures shall be maintained for a limited period of time when a security incident is probable or imminent, although it may not be possible to identify the specific target.
Used by	Attribute	ISPSCodeSecurityLevel_iSPSLevelType/@code
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type inBallastType

Namespace	http://www.oho.int/S127/2.0	
Annotations	Whether the vessel is in ballast.	
Diagram	<p>Whether the vessel is in ballast.</p> <p>Built-in primitive type. It defines the boolean values true and false.</p>	
Type	xs:boolean	
Used by	Element	ApplicabilityType/inBallast
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type languageType

Namespace	http://www.oho.int/S127/2.0	
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

Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd
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Simple Type linkageType

Namespace	http://www.ihoint/S127/2.0
Annotations	Location (address) for on-line access using a URL/URI address or similar addressing scheme.
Diagram	<pre> graph LR linkageType[linkageType] --> xsanyURI[xs:anyURI] </pre> <p>The diagram shows a UML class named "linkageType" connected by a directed association to another class named "xs:anyURI". Both classes are represented by rounded rectangles with a purple header bar.</p> <p>Annotations for the diagram:</p> <ul style="list-style-type: none"> linkageType: Location (address) for on-line access using a URL/URI address or similar addressing scheme. xs:anyURI: Built-in primitive type. The anyURI datatype represents a Uniform Resource Identifier Reference (URI).
Type	xs:anyURI
Used by	Element onlineResourceType/linkage
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type membershipLabel

Namespace	http://www.ihoint/S127/2.0						
Annotations	Indicates whether a vessel is included or excluded from the regulation/restriction/recommendation/nautical information.						
Diagram	<pre> graph LR membershipLabel[membershipLabel] --> xsstring[xs:string] </pre> <p>The diagram shows a UML class named "membershipLabel" connected by a directed association to another class named "xs:string". Both classes are represented by rounded rectangles with a purple header bar.</p> <p>Annotations for the diagram:</p> <ul style="list-style-type: none"> membershipLabel: Indicates whether a vessel is included or excluded from the regulation/restriction/recommendation/nautical information. xs:string: Built-in primitive type. The string datatype represents character strings in XML. 						
Type	restriction of xs:string						
Facets	<table border="0"> <tr> <td>enumeration</td> <td>Included</td> <td>1: Vessels with these characteristics are included in the regulation/restriction/recommendation/nautical information.</td> </tr> <tr> <td>enumeration</td> <td>Excluded</td> <td>2: Vessels with these characteristics are excluded from the regulation/restriction/recommendation/nautical information.</td> </tr> </table>	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.
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						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Simple Type membershipCode

Namespace	http://www.ihoint/S127/2.0						
Annotations	Indicates whether a vessel is included or excluded from the regulation/restriction/recommendation/nautical information.						
Diagram	<pre> graph LR membershipCode[membershipCode] --> xsinteger[xs:integer] </pre> <p>The diagram shows a UML class named "membershipCode" connected by a directed association to another class named "xs:integer". Both classes are represented by rounded rectangles with a purple header bar.</p> <p>Annotations for the diagram:</p> <ul style="list-style-type: none"> membershipCode: Indicates whether a vessel is included or excluded from the regulation/restriction/recommendation/nautical information. xs:integer: 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	<table border="0"> <tr> <td>enumeration</td> <td>1</td> <td>Vessels with these characteristics are included in the regulation/restriction/recommendation/nautical information.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>Vessels with these characteristics are excluded from the regulation/restriction/recommendation/nautical information.</td> </tr> </table>	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.
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						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Simple Type nameUsageLabel

Namespace	http://www.ihc.int/S127/2.0											
Annotations	Classification of the type and display level of the name of a feature in an end-user system.											
Diagram	<pre> classDiagram class nameUsageLabel { <<Classification of the type and display level of the name of a feature in an end-user system.>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } nameUsageLabel < -- xs_string </pre>											
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										
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd											

Simple Type nameUsageCode

Namespace	http://www.ihc.int/S127/2.0											
Annotations	Classification of the type and display level of the name of a feature in an end-user system.											
Diagram	<pre> classDiagram class nameUsageCode { <<Classification of the type and display level of the name of a feature in an end-user system.>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } nameUsageCode < -- xs_integer </pre>											
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	nameUsageType/@code										
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd											

Simple Type featureName_nameUsageLabel

Namespace	http://www.ihc.int/S127/2.0											
Annotations	Restricted values of featureName/nameUsage											
Diagram	<pre> classDiagram class featureName_nameUsageLabel { <<Restricted values of featureName/nameUsage>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } featureName_nameUsageLabel < -- xs_string </pre>											
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	featureName_nameUsageType										
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd											

Simple Type `featureName_nameUsageCode`

Namespace	http://www.oho.int/S127/2.0										
Annotations	Restricted values of <code>featureName/nameUsage</code>										
Diagram	<p>The diagram shows a UML class named <code>featureName_nameUsageCode</code> with a directed association to a class named <code>xs:integer</code>. A callout box points to the association line with the text "Restricted values of <code>featureName/nameUsage</code>". Another callout box points to the <code>xs:integer</code> class 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 <code>xs:integer</code>										
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>										
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd										

Simple Type `logicalConnectivesLabel`

Namespace	http://www.oho.int/S127/2.0							
Annotations	Expresses whether all the constraints described by its co-attributes must be satisfied, or only one such constraint need be satisfied.							
Diagram	<p>The diagram shows a UML class named <code>logicalConnectivesLabel</code> with a directed association to a class named <code>xs:string</code>. A callout box points to the association line with the text "Expresses whether all the constraints described by its co-attributes must be satisfied, or only one such constraint...". Another callout box points to the <code>xs:string</code> class with the text "Built-in primitive type. The string datatype represents character strings in XML."</p>							
Type	restriction of <code>xs:string</code>							
Facets	<table> <tr> <td>enumeration</td> <td>Logical Conjunction</td> <td>1: 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>Logical Disjunction</td> <td>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.</td> </tr> </table>		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.
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 <code>logicalConnectivesType</code>							
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd							

Simple Type `logicalConnectivesCode`

Namespace	http://www.oho.int/S127/2.0							
Annotations	Expresses whether all the constraints described by its co-attributes must be satisfied, or only one such constraint need be satisfied.							
Diagram	<p>The diagram shows a UML class named <code>logicalConnectivesCode</code> with a directed association to a class named <code>xs:integer</code>. A callout box points to the association line with the text "Expresses whether all the constraints described by its co-attributes must be satisfied, or only one such constraint...". Another callout box points to the <code>xs:integer</code> class 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 <code>xs:integer</code>							
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 <code>logicalConnectivesType/@code</code>							

Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd
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Simple Type Applicability_logicalConnectivesLabel

Namespace	http://www.ihc.int/S127/2.0				
Annotations	Custom enum: Applicability/logicalConnectives				
Diagram	<pre> classDiagram class Applicability_logicalConnectivesLabel { <<Custom enum: Applicability/logicalConnectives>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } Applicability_logicalConnectivesLabel "1" -- "0..1" xsString </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				
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd				

Simple Type Applicability_logicalConnectivesCode

Namespace	http://www.ihc.int/S127/2.0						
Annotations	Custom enum: Applicability/logicalConnectives						
Diagram	<pre> classDiagram class Applicability_logicalConnectivesCode { <<Custom enum: Applicability/logicalConnectives>> } class xsInteger { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } Applicability_logicalConnectivesCode "1" -- "0..1" xsInteger </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						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Simple Type maximumDisplayScaleType

Namespace	http://www.ihc.int/S127/2.0
Annotations	The largest intended viewing scale for the data.
Diagram	<pre> classDiagram class maximumDisplayScaleType { <<The largest intended viewing scale for the data.>> } class xsInteger { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } maximumDisplayScaleType "1" -- "0..1" xsInteger </pre>
Type	restriction of xs:integer
Facets	minInclusive 1
Used by	Element DataCoverageType/maximumDisplayScale
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type minimumDisplayScaleType

Namespace	http://www.ihc.int/S127/2.0
Annotations	The smallest intended viewing scale for the data.

Diagram	
Type	restriction of xs:integer
Facets	minInclusive 1
Used by	Element DataCoverageType/minimumDisplayScale
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type mMSICodeType

Namespace	http://www.oho.int/S127/2.0
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	
Type	xs:string
Used by	Element ContactDetailsType/mMSICode
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type nameType

Namespace	http://www.oho.int/S127/2.0
Annotations	The individual name of a feature.
Diagram	
Type	xs:string
Used by	Element featureNameType/name
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type nameOfResourceType

Namespace	http://www.oho.int/S127/2.0
Annotations	Name of the online resource.
Diagram	
Type	xs:string
Used by	Element onlineResourceType/nameOfResource
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type nationalityType

Namespace	http://www.oho.int/S127/2.0
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Annotations	Identifier of membership of a particular nation.
Diagram	<pre> graph LR nationalityType[nationalityType] --> xsString[xs:string] </pre> <p>Identifier of membership of a particular nation. Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xs:string
Used by	Element MilitaryPracticeAreaType/nationality
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type noticeTimeHoursType

Namespace	http://www.ihc.int/S127/2.0
Annotations	The time duration prior to the time the service is needed, when notice must be provided to the service provider.
Diagram	<pre> graph LR noticeTimeHoursType[noticeTimeHoursType] --> xsDecimal[xs:decimal] </pre> <p>The time duration prior to the time the service is needed, when notice must be provided to the service provider. Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.</p>
Type	xs:decimal
Used by	Element noticeTimeType/noticeTimeHours
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type noticeTimeTextType

Namespace	http://www.ihc.int/S127/2.0
Annotations	Text string qualifying the notice time hours. This may explain the time specification of the hours (for example, 3 working days for a value of 72 for the notice time hours intended to indicate a time period of 3 days) or consist of other language qualifying the time; for example, On departure from last port or On passing reporting line XY.
Diagram	<pre> graph LR noticeTimeTextType[noticeTimeTextType] --> xsString[xs:string] </pre> <p>Text string qualifying the notice time hours. This may explain the time specification of the hours (for example, 3...). Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xs:string
Used by	Element noticeTimeType/noticeTimeText
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type onlineFunctionLabel

Namespace	http://www.ihc.int/S127/2.0												
Annotations	Code for function performed by the online resource.												
Diagram	<pre> graph LR onlineFunctionLabel[onlineFunctionLabel] --> xsString[xs:string] </pre> <p>Code for function performed by the online resource. 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>Download</td> <td>1: Online instructions for transferring data from one storage device or system to another.</td> </tr> <tr> <td>enumeration</td> <td>Offline Access</td> <td>3: Online instructions for requesting the resource from the provider.</td> </tr> <tr> <td>enumeration</td> <td>Order</td> <td>4: Online order process for obtaining the resource.</td> </tr> <tr> <td>enumeration</td> <td>Search</td> <td>5: To make painstaking investigation or examination.</td> </tr> </table>	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	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	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type onlineFunctionCode

Namespace	http://www.ihc.int/S127/2.0																																
Annotations	Code for function performed by the online resource.																																
Diagram	<p>The diagram shows a UML class named 'onlineFunctionCode' with a hollow diamond symbol indicating it is derived from another type. A line connects 'onlineFunctionCode' to another class named 'xs:integer'. Two callouts provide additional information: one states 'Code for function performed by the online resource.' and the other 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	<table border="1"> <tr> <td>enumeration</td> <td>1</td> <td>Online instructions for transferring data from one storage device or system to another.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>Online instructions for requesting the resource from the provider.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>Online order process for obtaining the resource.</td> </tr> <tr> <td>enumeration</td> <td>5</td> <td>To make painstaking investigation or examination.</td> </tr> <tr> <td>enumeration</td> <td>6</td> <td>Complete metadata provided.</td> </tr> <tr> <td>enumeration</td> <td>7</td> <td>Browse graphic provided.</td> </tr> <tr> <td>enumeration</td> <td>8</td> <td>Online resource upload capability provided.</td> </tr> <tr> <td>enumeration</td> <td>9</td> <td>Online email service provided.</td> </tr> <tr> <td>enumeration</td> <td>10</td> <td>Online browsing provided.</td> </tr> <tr> <td>enumeration</td> <td>11</td> <td>Online file access provided.</td> </tr> </table>			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.
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enumeration	3	Online instructions for requesting the resource from the provider.																															
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enumeration	10	Online browsing provided.																															
enumeration	11	Online file access provided.																															
Used by	Attribute onlineFunctionType/@code																																
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																																

Simple Type onlineResource_onlineFunctionLabel

Namespace	http://www.ihc.int/S127/2.0																													
Annotations	Restricted values of onlineResource/onlineFunction																													
Diagram	<p>The diagram shows a UML class named 'onlineResource_onlineFunctionLabel' with a hollow diamond symbol indicating it is derived from another type. A line connects 'onlineResource_onlineFunctionLabel' to another class named 'xs:string'. Two callouts provide additional information: one states 'Restricted values of onlineResource/onlineFunction' and the other states '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>Download</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Offline Access</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Order</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Search</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Complete Metadata</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Browse Graphic</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Upload</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Email Service</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Browsing</td> <td></td> </tr> </table>			enumeration	Download		enumeration	Offline Access		enumeration	Order		enumeration	Search		enumeration	Complete Metadata		enumeration	Browse Graphic		enumeration	Upload		enumeration	Email Service		enumeration	Browsing	
enumeration	Download																													
enumeration	Offline Access																													
enumeration	Order																													
enumeration	Search																													
enumeration	Complete Metadata																													
enumeration	Browse Graphic																													
enumeration	Upload																													
enumeration	Email Service																													
enumeration	Browsing																													

	enumeration	File Access
Used by	Complex Type	onlineResource_onlineFunctionType
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type onlineResource_onlineFunctionCode

Namespace	http://www.ih0.int/S127/2.0	
Annotations	Restricted values of onlineResource/onlineFunction	
Diagram	<p>The diagram shows a UML class named 'onlineResource_onlineFunctionCode' with a hollow diamond symbol indicating it is derived from the 'xs:integer' primitive type. A callout box points to the class with the text 'Restricted values of onlineResource/onlineFunction'. Another callout box points to the 'xs:integer' type 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 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	onlineResource_onlineFunctionType/@code
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type onlineResourceDescriptionType

Namespace	http://www.ih0.int/S127/2.0	
Annotations	Detailed text description of what the online resource is/does.	
Diagram	<p>The diagram shows a UML class named 'onlineResourceDescriptionType' with a hollow diamond symbol indicating it is derived from the 'xs:string' primitive type. A callout box points to the class with the text 'Detailed text description of what the online resource is/does.'. Another callout box points to the 'xs:string' type with the text 'Built-in primitive type. The string datatype represents character strings in XML.'</p>	
Type	xs:string	
Used by	Element	onlineResourceType/onlineResourceDescription
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type operationLabel

Namespace	http://www.ih0.int/S127/2.0	
Annotations	Indicates whether the minimum or maximum value should be used to describe a condition or in application processing.	
Diagram	<p>The diagram shows a UML class named 'operationLabel' with a hollow diamond symbol indicating it is derived from the 'xs:string' primitive type. A callout box points to the class with the text 'Indicates whether the minimum or maximum value should be used to describe a condition or in application processing.'. Another callout box points to the 'xs:string' type with the text 'Built-in primitive type. The string datatype represents character strings in XML.'</p>	
Type	restriction of xs:string	
Facets	enumeration	Largest Value 1: The numerically largest value computed from the applicable attributes or sub-attributes.

	enumeration	Smallest Value	2: The numerically smallest value computed from the applicable attributes or sub-attributes.
Used by	Complex Type	operationType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type operationCode

Namespace	http://www.ihc.int/S127/2.0								
Annotations	Indicates whether the minimum or maximum value should be used to describe a condition or in application processing.								
Diagram	<pre> classDiagram class operationCode { <<Indicates whether the minimum or maximum value should be used to describe a condition or in application processing.>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } operationCode < -- xs_integer </pre>								
Type	restriction of xs:integer								
Facets	<table> <tr> <td>enumeration</td> <td>1</td> <td>The numerically largest value computed from the applicable attributes or sub-attributes.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>The numerically smallest value computed from the applicable attributes or sub-attributes.</td> </tr> </table>			enumeration	1	The numerically largest value computed from the applicable attributes or sub-attributes.	enumeration	2	The numerically smallest value computed from the applicable attributes or sub-attributes.
enumeration	1	The numerically largest value computed from the applicable attributes or sub-attributes.							
enumeration	2	The numerically smallest value computed from the applicable attributes or sub-attributes.							
Used by	Attribute operationType/@code								
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Simple Type noticeTime_operationLabel

Namespace	http://www.ihc.int/S127/2.0								
Annotations	Restricted values of noticeTime/operation								
Diagram	<pre> classDiagram class noticeTime_operationLabel { <<Restricted values of noticeTime/operation>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } noticeTime_operationLabel < -- xs_string </pre>								
Type	restriction of xs:string								
Facets	<table> <tr> <td>enumeration</td> <td>Largest Value</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Smallest Value</td> <td></td> </tr> </table>			enumeration	Largest Value		enumeration	Smallest Value	
enumeration	Largest Value								
enumeration	Smallest Value								
Used by	Complex Type noticeTime_operationType								
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Simple Type noticeTime_operationCode

Namespace	http://www.ihc.int/S127/2.0								
Annotations	Restricted values of noticeTime/operation								
Diagram	<pre> classDiagram class noticeTime_operationCode { <<Restricted values of noticeTime/operation>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } noticeTime_operationCode < -- xs_integer </pre>								
Type	restriction of xs:integer								
Facets	<table> <tr> <td>enumeration</td> <td>1</td> <td>The numerically largest value computed from the applicable attributes or sub-attributes.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>The numerically smallest value computed from the applicable attributes or sub-attributes.</td> </tr> </table>			enumeration	1	The numerically largest value computed from the applicable attributes or sub-attributes.	enumeration	2	The numerically smallest value computed from the applicable attributes or sub-attributes.
enumeration	1	The numerically largest value computed from the applicable attributes or sub-attributes.							
enumeration	2	The numerically smallest value computed from the applicable attributes or sub-attributes.							
Used by	Attribute noticeTime_operationType/@code								
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Simple Type underKeelAllowance_operationLabel

Namespace	http://www.ihc.int/S127/2.0				
Annotations	Restricted values of underKeelAllowance/operation				
Diagram	<p>underKeelAllowance_operationLabel \ominus xs:string</p> <p>Restricted values of underKeelAllowance/operation</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>Largest Value</td> </tr> <tr> <td>enumeration</td> <td>Smallest Value</td> </tr> </table>	enumeration	Largest Value	enumeration	Smallest Value
enumeration	Largest Value				
enumeration	Smallest Value				
Used by	Complex Type underKeelAllowance_operationType				
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd				

Simple Type underKeelAllowance_operationCode

Namespace	http://www.ihc.int/S127/2.0						
Annotations	Restricted values of underKeelAllowance/operation						
Diagram	<p>underKeelAllowance_operationCode \ominus xs:integer</p> <p>Restricted values of underKeelAllowance/operation</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 numerically largest value computed from the applicable attributes or sub-attributes.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>The numerically smallest value computed from the applicable attributes or sub-attributes.</td> </tr> </table>	enumeration	1	The numerically largest value computed from the applicable attributes or sub-attributes.	enumeration	2	The numerically smallest value computed from the applicable attributes or sub-attributes.
enumeration	1	The numerically largest value computed from the applicable attributes or sub-attributes.					
enumeration	2	The numerically smallest value computed from the applicable attributes or sub-attributes.					
Used by	Attribute underKeelAllowance_operationType/@code						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Simple Type orientationUncertaintyType

Namespace	http://www.ihc.int/S127/2.0				
Annotations	The best estimate of the accuracy of a bearing.				
Diagram	<p>orientationUncertaintyType \ominus xs:decimal</p> <p>The best estimate of the accuracy of a bearing.</p> <p>Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.</p>				
Type	restriction of xs:decimal				
Facets	<table> <tr> <td>maxInclusive</td> <td>360.000</td> </tr> <tr> <td>minInclusive</td> <td>0.000</td> </tr> </table>	maxInclusive	360.000	minInclusive	0.000
maxInclusive	360.000				
minInclusive	0.000				
Used by	Elements QualityOfNonBathymetricDataType/orientationUncertainty, orientationType/orientationUncertainty				
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd				

Simple Type orientationValueType

Namespace	http://www.ihc.int/S127/2.0
Annotations	The angular distance measured from true north to the major axis of the feature.
Diagram	<p>orientationValueType \ominus xs:decimal</p> <p>The angular distance measured from true north to the major axis of the feature.</p> <p>Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.</p>

Type	restriction of xs:decimal	
Facets	maxInclusive	360 . 0
	minInclusive	0 . 0
Used by	Elements	RadioCallingInPointType/orientationValue, orientationType/orientationValue
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type pictorialRepresentationType

Namespace	http://www.ihoint/S127/2.0	
Annotations	Indicates whether a pictorial representation of the feature is available.	
Diagram	<pre> classDiagram class pictorialRepresentationType class xs_string pictorialRepresentationType ⊂ xs_string </pre> <p>Indicates whether a pictorial representation of the feature is available.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	xs:string	
Used by	Element graphicType/pictorialRepresentation	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type pictureCaptionType

Namespace	http://www.ihoint/S127/2.0	
Annotations	Short description of the purpose of the image.	
Diagram	<pre> classDiagram class pictureCaptionType class xs_string pictureCaptionType ⊂ xs_string </pre> <p>Short description of the purpose of the image.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	xs:string	
Used by	Element graphicType/pictureCaption	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type pictureInformationType

Namespace	http://www.ihoint/S127/2.0	
Annotations	A set of information to provide credits to picture creator, copyright owner etc.	
Diagram	<pre> classDiagram class pictureInformationType class xs_string pictureInformationType ⊂ xs_string </pre> <p>A set of information to provide credits to picture creator, copyright owner etc.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	xs:string	
Used by	Element graphicType/pictureInformation	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type pilotMovementLabel

Namespace	http://www.ihoint/S127/2.0	
Annotations	Classification of pilot activity by arrival, departure, or change of pilot. It may also describe the place where the pilot's advice begins, ends, or is transferred to a different pilot.	
Diagram	<pre> classDiagram class pilotMovementLabel class xs_string pilotMovementLabel ⊂ xs_string </pre> <p>Classification of pilot activity by arrival, departure, or change of pilot. It may also describe the place where the...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	

Type	restriction of xs:string		
Facets	enumeration	Embarkation	1: The place where vessels not being navigated according to a pilot's instructions pick up a pilot while in transit from sea to a port or constricted waters for future navigation under pilot instructions.
	enumeration	Disembarkation	2: The place where vessels being navigated under a pilot's instructions in transit from sea to a port or constricted waters drop the pilot and proceed without being subject to pilot instructions.
	enumeration	Pilot Change	3: The place where vessels being navigated under a pilot's instructions drop off the pilot and pick up a different pilot for future navigation under pilot's instructions.
Used by	Complex Type	pilotMovementType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type **pilotMovementCode**

Namespace	http://www.ihoint/S127/2.0		
Annotations	Classification of pilot activity by arrival, departure, or change of pilot. It may also describe the place where the pilot's advice begins, ends, or is transferred to a different pilot.		
Diagram			
Type	restriction of xs:integer		
Facets	enumeration	1	The place where vessels not being navigated according to a pilot's instructions pick up a pilot while in transit from sea to a port or constricted waters for future navigation under pilot instructions.
	enumeration	2	The place where vessels being navigated under a pilot's instructions in transit from sea to a port or constricted waters drop the pilot and proceed without being subject to pilot instructions.
	enumeration	3	The place where vessels being navigated under a pilot's instructions drop off the pilot and pick up a different pilot for future navigation under pilot's instructions.
Used by	Attribute	pilotMovementType/@code	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type **PilotBoardingPlace_pilotMovementLabel**

Namespace	http://www.ihoint/S127/2.0		
Annotations	Custom enum: PilotBoardingPlace/pilotMovement		
Diagram			
Type	restriction of xs:string		
Facets	enumeration	Embarkation	
	enumeration	Disembarkation	
	enumeration	Pilot Change	
Used by	Complex Type	PilotBoardingPlace_pilotMovementType	

Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd
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Simple Type PilotBoardingPlace_pilotMovementCode

Namespace	http://www.ihoint/S127/2.0										
Annotations	Custom enum: PilotBoardingPlace/pilotMovement										
Diagram	<p>The diagram shows a class named 'PilotBoardingPlace_pilotMovementCode' with a multiplicity of 0..1. It has a directed association to the built-in type 'xs:integer' with a multiplicity of 0..1. A callout box for the class says 'Custom enum: PilotBoardingPlace/pilotMovement'. A callout box for the association 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	<table> <tr> <td>enumeration</td> <td>1</td> <td>The place where vessels not being navigated according to a pilot's instructions pick up a pilot while in transit from sea to a port or constricted waters for future navigation under pilot instructions.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>The place where vessels being navigated under a pilot's instructions in transit from sea to a port or constricted waters drop the pilot and proceed without being subject to pilot instructions.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>The place where vessels being navigated under a pilot's instructions drop off the pilot and pick up a different pilot for future navigation under pilot's instructions.</td> </tr> </table>		enumeration	1	The place where vessels not being navigated according to a pilot's instructions pick up a pilot while in transit from sea to a port or constricted waters for future navigation under pilot instructions.	enumeration	2	The place where vessels being navigated under a pilot's instructions in transit from sea to a port or constricted waters drop the pilot and proceed without being subject to pilot instructions.	enumeration	3	The place where vessels being navigated under a pilot's instructions drop off the pilot and pick up a different pilot for future navigation under pilot's instructions.
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enumeration	2	The place where vessels being navigated under a pilot's instructions in transit from sea to a port or constricted waters drop the pilot and proceed without being subject to pilot instructions.									
enumeration	3	The place where vessels being navigated under a pilot's instructions drop off the pilot and pick up a different pilot for future navigation under pilot's instructions.									
Used by	Attribute PilotBoardingPlace_pilotMovementType/@code										
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd										

Simple Type pilotQualificationLabel

Namespace	http://www.ihoint/S127/2.0																										
Annotations	Classification of pilots and pilot services by type of license qualification or type of organization providing services.																										
Diagram	<p>The diagram shows a class named 'pilotQualificationLabel' with a multiplicity of 0..1. It has a directed association to the built-in primitive type 'xs:string' with a multiplicity of 0..1. A callout box for the class says 'Classification of pilots and pilot services by type of license qualification or type of organization providing services.'. A callout box for the association says '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>Government Pilot</td> <td>1: A pilot service carried out by government pilots.</td> </tr> <tr> <td>enumeration</td> <td>Pilot Approved by Government</td> <td>2: A pilot service carried out by pilots who are approved by government.</td> </tr> <tr> <td>enumeration</td> <td>State Pilot</td> <td>3: A pilot that is licensed by the State (USA) and/or their respective pilot association, required for all foreign vessels and all American vessels under registry, bound for a port with compulsory State pilotage. A federal licence is not sufficient to pilot such vessels into the port.</td> </tr> <tr> <td>enumeration</td> <td>Federal Pilot</td> <td>4: A pilot who carries a Federal endorsement, offering services to vessels that are not required to obtain compulsory State pilotage. Services are usually contracted for in advance.</td> </tr> <tr> <td>enumeration</td> <td>Company Pilot</td> <td>5: A pilot provided by a commercial company.</td> </tr> <tr> <td>enumeration</td> <td>Local Pilot</td> <td>6: A pilot with local knowledge but who does not hold a qualification as a pilot.</td> </tr> <tr> <td>enumeration</td> <td>Citizen With Sufficient Local Knowledge</td> <td>7: A pilot service carried out by a citizen with sufficient local knowledge.</td> </tr> <tr> <td>enumeration</td> <td>Citizen With Doubtful Local Knowledge</td> <td>8: A pilot service carried out by a citizen whose local knowledge is uncertain.</td> </tr> </table>			enumeration	Government Pilot	1: A pilot service carried out by government pilots.	enumeration	Pilot Approved by Government	2: A pilot service carried out by pilots who are approved by government.	enumeration	State Pilot	3: A pilot that is licensed by the State (USA) and/or their respective pilot association, required for all foreign vessels and all American vessels under registry, bound for a port with compulsory State pilotage. A federal licence is not sufficient to pilot such vessels into the port.	enumeration	Federal Pilot	4: A pilot who carries a Federal endorsement, offering services to vessels that are not required to obtain compulsory State pilotage. Services are usually contracted for in advance.	enumeration	Company Pilot	5: A pilot provided by a commercial company.	enumeration	Local Pilot	6: A pilot with local knowledge but who does not hold a qualification as a pilot.	enumeration	Citizen With Sufficient Local Knowledge	7: A pilot service carried out by a citizen with sufficient local knowledge.	enumeration	Citizen With Doubtful Local Knowledge	8: A pilot service carried out by a citizen whose local knowledge is uncertain.
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Used by	Complex Type	pilotQualificationType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type pilotQualificationCode

Namespace	http://www.ihc.int/S127/2.0																									
Annotations	Classification of pilots and pilot services by type of license qualification or type of organization providing services.																									
Diagram	<p>The diagram illustrates the inheritance relationship between the simple type <code>pilotQualificationCode</code> and the built-in datatype <code>xs:integer</code>. An arrow points from <code>pilotQualificationCode</code> to <code>xs:integer</code>, indicating that <code>pilotQualificationCode</code> is a derived type based on <code>xs:integer</code>. A callout box provides a detailed explanation: '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>A pilot service carried out by government pilots.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>A pilot service carried out by pilots who are approved by government.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>A pilot that is licensed by the State (USA) and/or their respective pilot association, required for all foreign vessels and all American vessels under registry, bound for a port with compulsory State pilotage. A federal licence is not sufficient to pilot such vessels into the port.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>A pilot who carries a Federal endorsement, offering services to vessels that are not required to obtain compulsory State pilotage. Services are usually contracted for in advance.</td> </tr> <tr> <td>enumeration</td> <td>5</td> <td>A pilot provided by a commercial company.</td> </tr> <tr> <td>enumeration</td> <td>6</td> <td>A pilot with local knowledge but who does not hold a qualification as a pilot.</td> </tr> <tr> <td>enumeration</td> <td>7</td> <td>A pilot service carried out by a citizen with sufficient local knowledge.</td> </tr> <tr> <td>enumeration</td> <td>8</td> <td>A pilot service carried out by a citizen whose local knowledge is uncertain.</td> </tr> </table>		enumeration	1	A pilot service carried out by government pilots.	enumeration	2	A pilot service carried out by pilots who are approved by government.	enumeration	3	A pilot that is licensed by the State (USA) and/or their respective pilot association, required for all foreign vessels and all American vessels under registry, bound for a port with compulsory State pilotage. A federal licence is not sufficient to pilot such vessels into the port.	enumeration	4	A pilot who carries a Federal endorsement, offering services to vessels that are not required to obtain compulsory State pilotage. Services are usually contracted for in advance.	enumeration	5	A pilot provided by a commercial company.	enumeration	6	A pilot with local knowledge but who does not hold a qualification as a pilot.	enumeration	7	A pilot service carried out by a citizen with sufficient local knowledge.	enumeration	8	A pilot service carried out by a citizen whose local knowledge is uncertain.
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enumeration	8	A pilot service carried out by a citizen whose local knowledge is uncertain.																								
Used by	Attribute																									
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																									

Simple Type PilotService_pilotQualificationLabel

Namespace	http://www.ihc.int/S127/2.0																	
Annotations	Custom enum: PilotService/pilotQualification																	
Diagram	<p>The diagram illustrates the inheritance relationship between the custom enum <code>PilotService_pilotQualificationLabel</code> and the built-in datatype <code>xs:string</code>. An arrow points from <code>PilotService_pilotQualificationLabel</code> to <code>xs:string</code>, indicating that <code>PilotService_pilotQualificationLabel</code> is a derived type based on <code>xs:string</code>. A callout box provides a detailed explanation: 'Custom enum: PilotService/pilotQualification'.</p>																	
Type	restriction of xs:string																	
Facets	<table border="1"> <tr> <td>enumeration</td> <td>Government Pilot</td> </tr> <tr> <td>enumeration</td> <td>Pilot Approved by Government</td> </tr> <tr> <td>enumeration</td> <td>State Pilot</td> </tr> <tr> <td>enumeration</td> <td>Federal Pilot</td> </tr> <tr> <td>enumeration</td> <td>Company Pilot</td> </tr> <tr> <td>enumeration</td> <td>Local Pilot</td> </tr> <tr> <td>enumeration</td> <td>Citizen With Sufficient Local Knowledge</td> </tr> <tr> <td>enumeration</td> <td>Citizen With Doubtful Local Knowledge</td> </tr> </table>		enumeration	Government Pilot	enumeration	Pilot Approved by Government	enumeration	State Pilot	enumeration	Federal Pilot	enumeration	Company Pilot	enumeration	Local Pilot	enumeration	Citizen With Sufficient Local Knowledge	enumeration	Citizen With Doubtful Local Knowledge
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Used by	Complex Type	PilotService_pilotQualificationType
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type PilotService_pilotQualificationCode

Namespace	http://www.ihoint/S127/2.0																									
Annotations	Custom enum: PilotService/pilotQualification																									
Diagram	<p>The diagram shows a UML class named 'PilotService_pilotQualificationCode' with a multiplicity of 0..1. It has a directed association with the built-in type 'xs:integer'. A callout box for the class states 'Custom enum: PilotService/pilotQualification'. A callout box for the association states 'Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...'.</p>																									
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Used by	Attribute																									
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																									

Simple Type pilotRequestType

Namespace	http://www.ihoint/S127/2.0	
Annotations	Description of the pilot request procedure.	
Diagram	<p>The diagram shows a UML class named 'pilotRequestType' with a multiplicity of 0..1. It has a directed association with the built-in type 'xs:string'. A callout box for the class states 'Description of the pilot request procedure.'. A callout box for the association states 'Built-in primitive type. The string datatype represents character strings in XML.'</p>	
Type	xs:string	
Used by	Element	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type pilotVesselType

Namespace	http://www.ihoint/S127/2.0	
Annotations	Description of the pilot vessel. The pilot vessel is a small vessel used by a pilot to go to or from a vessel employing the pilot's services.	
Diagram	<p>The diagram shows a UML class named 'pilotVesselType' with a multiplicity of 0..1. It has a directed association with the built-in type 'xs:string'. A callout box for the class states 'Description of the pilot vessel. The pilot vessel is a small vessel used by a pilot to go to or from a vessel employing...'. A callout box for the association states 'Built-in primitive type. The string datatype represents character strings in XML.'</p>	

Type	xs:string
Used by	Element PilotBoardingPlaceType/pilotVessel
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type postalCodeType

Namespace	http://www.ihc.int/S127/2.0
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> classDiagram postalCodeType < -- xs:string </pre> <p>The diagram shows a class named 'postalCodeType' with a generalization relationship to the built-in primitive type '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' type with the annotation: 'Built-in primitive type. The string datatype represents character strings in XML.'.</p>
Type	xs:string
Used by	Element contactAddressType/postalCode
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type protocolType

Namespace	http://www.ihc.int/S127/2.0
Annotations	Connection protocol to be used. Example: ftp, http get KVP, http POST, etc.
Diagram	<pre> classDiagram protocolType < -- xs:string </pre> <p>The diagram shows a class named 'protocolType' with a generalization relationship to the built-in primitive type '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' type with the annotation: 'Built-in primitive type. The string datatype represents character strings in XML.'.</p>
Type	xs:string
Used by	Element onlineResourceType/protocol
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type protocolRequestType

Namespace	http://www.ihc.int/S127/2.0
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> classDiagram protocolRequestType < -- xs:string </pre> <p>The diagram shows a class named 'protocolRequestType' with a generalization relationship to the built-in primitive type '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' type with the annotation: 'Built-in primitive type. The string datatype represents character strings in XML.'.</p>
Type	xs:string
Used by	Element onlineResourceType/protocolRequest
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type qualityOfHorizontalMeasurementLabel

Namespace	http://www.ihc.int/S127/2.0
Annotations	The degree of reliability attributed to a position.
Diagram	<pre> classDiagram qualityOfHorizontalMeasurementLabel < -- xs:string </pre> <p>The diagram shows a class named 'qualityOfHorizontalMeasurementLabel' with a generalization relationship to the built-in primitive type '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' type with the annotation: 'Built-in primitive type. The string datatype represents character strings in XML.'.</p>

Type	restriction of xs:string		
Facets	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	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type qualityOfHorizontalMeasurementCode

Namespace	http://www.ihc.int/S127/2.0		
Annotations	The degree of reliability attributed to a position.		
Diagram	<pre> classDiagram class qualityOfHorizontalMeasurementCode { <<The degree of reliability attributed to a position.>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } qualityOfHorizontalMeasurementCode "1" -- "0..1" xs_integer </pre>		
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 date.
	enumeration	2	Survey data is does not exist or is very poor.
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	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	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type SpatialQuality_qualityOfHorizontalMeasurementLabel

Namespace	http://www.ihoint/S127/2.0																							
Annotations	Custom enum: SpatialQuality/qualityOfHorizontalMeasurement																							
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Used by	Complex Type SpatialQuality_qualityOfHorizontalMeasurementType																							
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																							

Simple Type SpatialQuality_qualityOfHorizontalMeasurementCode

Namespace	http://www.ihoint/S127/2.0							
Annotations	Custom enum: SpatialQuality/qualityOfHorizontalMeasurement							
Diagram								
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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> </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.
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	enumeration	11	A position that is computed from data.
Used by	Attribute	SpatialQuality_qualityOfHorizontalMeasurementType/@code	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type remotePilotType

Namespace	http://www.ihoint/S127/2.0
Annotations	Indication as to whether pilotage is available remotely from shore or other location remote from the vessel requiring pilotage or not.
Diagram	<pre> classDiagram class remotePilotType class xs.boolean remotePilotType "1" -- "0..1" xs.boolean </pre> <p>Indication as to whether pilotage is available remotely from shore or other location remote from the vessel requiring...</p> <p>Built-in primitive type. It defines the boolean values true and false.</p>
Type	xs:boolean
Used by	Element PilotServiceType/remotePilot
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type requirementsForMaintenanceOfListeningWatchType

Namespace	http://www.ihoint/S127/2.0
Annotations	Something needed to ensure constant acoustic monitoring.
Diagram	<pre> classDiagram class requirementsForMaintenanceOfListeningWatchType class xs.string requirementsForMaintenanceOfListeningWatchType "1" -- "0..1" xs.string </pre> <p>Something needed to ensure constant acoustic monitoring.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xs:string
Used by	Elements LocalPortBroadcastServiceAreaType/requirementsForMaintenanceOfListeningWatch, ShipReportingServiceAreaType/requirementsForMaintenanceOfListeningWatch, VesselTrafficServiceAreaType/requirementsForMaintenanceOfListeningWatch
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type restrictionLabel

Namespace	http://www.ihc.int/S127/2.0																																																																
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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.																																																															
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	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	Overtaking Prohibited	28: A specified area designated by appropriate authority, within which overtaking is generally prohibited.
	enumeration	Overtaking of Convoys by Convoys Prohibited	29: A specified area designated by appropriate authority, within which overtaking between convoys is prohibited.
	enumeration	Passing or Overtaking Prohibited	30: A specified area designated by appropriate authority, within which passing or overtaking is generally prohibited.
	enumeration	Berthing Prohibited	31: A specified area designated by appropriate authority, within which vessels, assemblies of floating material or floating establishments may not berth.
	enumeration	Berthing Restricted	32: A specified area designated by appropriate authority, within which berthing is restricted.
	enumeration	Making Fast Prohibited	33: A specified area designated by appropriate authority, within which vessels, assemblies of floating material or floating establishments may not make fast to the bank.
	enumeration	Making Fast Restricted	34: A specified area designated by appropriate authority, within which making fast to the bank is restricted.
	enumeration	Turning Prohibited	35: A specified area designated by appropriate authority, within which all turning is generally prohibited.
	enumeration	Restricted Fairway Depth	36: An area within which the fairway depth is restricted.
	enumeration	Restricted Fairway Width	37: An area within which the fairway width 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.
	enumeration	Passing or Overtaking of Convoys by Convoys Prohibited	43: A specified area designated by appropriate authority, within which passing or overtaking of convoys by convoys is prohibited
Used by	Complex Type	restrictionType	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type restrictionCode

Namespace	http://www.ihointerfaces.org/S127/2.0
Annotations	The official legal statute of each kind of restricted area.
Diagram	

Type	restriction of xs:integer	
Facets	enumeration	1
	enumeration	2
	enumeration	3
	enumeration	4
	enumeration	5
	enumeration	6
	enumeration	7
	enumeration	8
	enumeration	9
	enumeration	10
	enumeration	11
	enumeration	12
	enumeration	13
	enumeration	14
	enumeration	15
	enumeration	16
	enumeration	17
	enumeration	18
	enumeration	19
	enumeration	20
	enumeration	21
	enumeration	22
	enumeration	23
	enumeration	24
	enumeration	25
	enumeration	26
	enumeration	27

enumeration	28	A specified area designated by appropriate authority, within which overtaking is generally prohibited.
enumeration	29	A specified area designated by appropriate authority, within which overtaking between convoys is prohibited.
enumeration	30	A specified area designated by appropriate authority, within which passing or overtaking is generally prohibited.
enumeration	31	A specified area designated by appropriate authority, within which vessels, assemblies of floating material or floating establishments may not berth.
enumeration	32	A specified area designated by appropriate authority, within which berthing is restricted.
enumeration	33	A specified area designated by appropriate authority, within which vessels, assemblies of floating material or floating establishments may not make fast to the bank.
enumeration	34	A specified area designated by appropriate authority, within which making fast to the bank is restricted.
enumeration	35	A specified area designated by appropriate authority, within which all turning is generally prohibited.
enumeration	36	An area within which the fairway depth is restricted.
enumeration	37	An area within which the fairway width 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.
enumeration	43	A specified area designated by appropriate authority, within which passing or overtaking of convoys by convoys is prohibited
Used by	Attribute	restrictionType/@code
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type MilitaryPracticeArea_restrictionLabel

Namespace	http://www.ihointerfaces.org/S127/2.0																	
Annotations	Custom enum: MilitaryPracticeArea/restriction																	
Diagram	<p>MilitaryPracticeArea_restrictionLabel</p> <p>xs:string</p> <p>Custom enum: MilitaryPracticeArea/restriction</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>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> </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	Anchoring Prohibited																	
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enumeration	Trawling Prohibited																	
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enumeration	Entry Prohibited																	
enumeration	Entry Restricted																	

enumeration	Dredging Prohibited
enumeration	Dredging Restricted
enumeration	Diving Prohibited
enumeration	Diving Restricted
enumeration	No Wake
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	Swimming Prohibited
Used by	Complex Type MilitaryPracticeArea_restrictionType
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type MilitaryPracticeArea_restrictionCode

Namespace	http://www.ihc.int/S127/2.0																												
Annotations	Custom enum: MilitaryPracticeArea/restriction																												
Diagram	<p>The diagram shows a UML class named "MilitaryPracticeArea_restrictionCode" with a multiplicty of 0..1. It has a directed association labeled "xs.integer" with a multiplicity of 0..1. A callout box indicates that "Custom enum: MilitaryPracticeArea/restriction" is derived from "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>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> </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.
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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	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	39	An area in which swimming is prohibited.
Used by	Attribute	MilitaryPracticeArea_restrictionType/@code
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type PiracyRiskArea_restrictionLabel

Namespace	http://www.ihc.int/S127/2.0														
Annotations	Custom enum: PiracyRiskArea/restriction														
Diagram	<pre> classDiagram class PiracyRiskArea_restrictionLabel { <<Custom enum: PiracyRiskArea/restriction>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } PiracyRiskArea_restrictionLabel --o 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> </table>	enumeration	Anchoring Prohibited	enumeration	Anchoring Restricted	enumeration	Fishing Prohibited	enumeration	Fishing Restricted	enumeration	Trawling Prohibited	enumeration	Trawling Restricted	enumeration	Entry Prohibited
enumeration	Anchoring Prohibited														
enumeration	Anchoring Restricted														
enumeration	Fishing Prohibited														
enumeration	Fishing Restricted														
enumeration	Trawling Prohibited														
enumeration	Trawling Restricted														
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	enumeration	Entry Restricted
	enumeration	Dredging Prohibited
	enumeration	Dredging Restricted
	enumeration	Diving Prohibited
	enumeration	Diving Restricted
	enumeration	Area To Be Avoided
	enumeration	Industrial or Mineral Exploration/Development Prohibited
	enumeration	Industrial or Mineral Exploration/Development Restricted
	enumeration	Drilling Prohibited
	enumeration	Drilling Restricted
	enumeration	Dragging Prohibited
	enumeration	Stopping Prohibited
	enumeration	Landing Prohibited
	enumeration	Speed Restricted
	enumeration	Berthing Prohibited
	enumeration	Berthing Restricted
	enumeration	Making Fast Prohibited
	enumeration	Making Fast Restricted
Used by	Complex Type	PiracyRiskArea_restrictionType
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type PiracyRiskArea_restrictionCode

Namespace	http://www.ihoint/S127/2.0																																		
Annotations	Custom enum: PiracyRiskArea/restriction																																		
Diagram	<pre> classDiagram class PiracyRiskArea_restrictionCode { <<Custom enum: PiracyRiskArea/restriction>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } PiracyRiskArea_restrictionCode "1" -- "0..1" xs_integer </pre>																																		
Type	restriction of xs:integer																																		
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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	31	A specified area designated by appropriate authority, within which vessels, assemblies of floating material or floating establishments may not berth.
enumeration	32	A specified area designated by appropriate authority, within which berthing is restricted.
enumeration	33	A specified area designated by appropriate authority, within which vessels, assemblies of floating material or floating establishments may not make fast to the bank.
enumeration	34	A specified area designated by appropriate authority, within which making fast to the bank is restricted.
Used by	Attribute	PiracyRiskArea_restrictionType/@code
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type RestrictedArea_restrictionLabel

Namespace	http://www.ihoint/S127/2.0																			
Annotations	Custom enum: RestrictedArea/restriction																			
Diagram	<pre> classDiagram class RestrictedArea_restrictionLabel class xsString RestrictedArea_restrictionLabel "○" --> xsString </pre> <p>Custom enum: RestrictedArea/restriction 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>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> </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	Anchoring Prohibited																			
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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	Overtaking Prohibited
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	enumeration	Passing or Overtaking Prohibited
	enumeration	Turning Prohibited
	enumeration	Restricted Fairway Depth
	enumeration	Restricted Fairway Width
	enumeration	Use of Spuds Prohibited
	enumeration	Swimming Prohibited
	enumeration	SOx Emission Restricted
	enumeration	NOx Emission Restricted
	enumeration	Power-Driven Vessels Prohibited
	enumeration	Passing or Overtaking of Convoys by Convoys Prohibited
Used by	Complex Type	RestrictedArea_restrictionType
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type RestrictedArea_restrictionCode

Namespace	http://www.ihc.int/S127/2.0
Annotations	Custom enum: RestrictedArea/restriction
Diagram	<p>The diagram shows two classes: 'RestrictedArea_restrictionCode' and 'xs:integer'. An association line connects them with a hollow circle at the 'RestrictedArea_restrictionCode' end and a solid circle at the 'xs:integer' end. Below the classes, a note indicates: 'Custom enum: RestrictedArea/restriction' and '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	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.
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	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	28	A specified area designated by appropriate authority, within which overtaking is generally prohibited.
	enumeration	29	A specified area designated by appropriate authority, within which overtaking between convoys is prohibited.
	enumeration	30	A specified area designated by appropriate authority, within which passing or overtaking is generally prohibited.
	enumeration	35	A specified area designated by appropriate authority, within which all turning is generally prohibited.
	enumeration	36	An area within which the fairway depth is restricted.
	enumeration	37	An area within which the fairway width 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.
	enumeration	43	A specified area designated by appropriate authority, within which passing or overtaking of convoys by convoys is prohibited
Used by	Attribute	RestrictedArea_restrictionType/@code	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type scaleMinimumType

Namespace	http://www.ihoint/S127/2.0	
Annotations	The minimum scale at which the feature may be used for example for ECDIS presentation.	
Diagram	<pre> classDiagram class scaleMinimumType { <<The minimum scale at which the feature may be used for example for ECDIS presentation.>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } scaleMinimumType < -- xs_integer </pre>	
Type	xs:integer	
Used by	Element TextPlacementType/scaleMinimum	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type serviceAccessProcedureType

Namespace	http://www.ihoint/S127/2.0	
Annotations	A description of the procedure to access the marine service.	
Diagram	<pre> classDiagram class serviceAccessProcedureType { <<A description of the procedure to access the marine service.>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } serviceAccessProcedureType < -- xs_string </pre>	
Type	xs:string	
Used by	Elements LocalPortBroadcastServiceAreaType/serviceAccessProcedure, ShipReportingServiceAreaType/serviceAccessProcedure, VesselTrafficServiceAreaType/serviceAccessProcedure	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type siltationRateType

Namespace	http://www.ihoint/S127/2.0	
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Annotations	A description of the rate at which the depth in an area decreases.
Diagram	<pre> graph LR A[siltationRateType] --> B["xs:string"] </pre> <p>A description of the rate at which the depth in an area decreases.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xs:string
Used by	Element WaterwayAreaType/siltationRate
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type sourceType

Namespace	http://www.ihc.int/S127/2.0
Annotations	The publication, document, or reference work from which information comes or is acquired.
Diagram	<pre> graph LR A[sourceType] --> B["xs:string"] </pre> <p>The publication, document, or reference work from which information comes or is acquired.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xs:string
Used by	Element sourceIndicationType/source
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type sourceDateType

Namespace	http://www.ihc.int/S127/2.0
Annotations	The production date of the source; for example the date of measurement.
Diagram	<pre> graph LR A[sourceDateType] --> B["xs:date"] </pre> <p>The production date of the source; for example the date of measurement.</p> <p>Built-in primitive type. The date datatype represents a calendar date.</p>
Type	xs:date
Used by	Element graphicType/sourceDate
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type sRSFormatCodeLabel

Namespace	http://www.ihc.int/S127/2.0									
Annotations	The standard ship reporting formats according to IMO Resolution A.531(13) General Principles for Ship Reporting System or IMO A.851(20).									
Diagram	<pre> graph LR A[sRSFormatCodeLabel] --> B["xs:string"] </pre> <p>The standard ship reporting formats according to IMO Resolution A.531(13) General Principles for Ship Reporting System...</p> <p>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>IMO Ship Reporting Format A</td> <td>1: IMO Ship Reporting Format A-Ship (alpha); Information required: Name, call sign or ship station identity, and flag</td> </tr> <tr> <td>enumeration</td> <td>IMO Ship Reporting Format B</td> <td>2: IMO Ship Reporting Format B-Time (bravo); Information required: A 6-digit group giving day of month (first two digits), hours and minutes (last four digits). If other than UTC state time zone used</td> </tr> <tr> <td>enumeration</td> <td>IMO Ship Reporting Format C</td> <td>3: IMO Ship Reporting Format C-Position (charlie); Information required: A 4-digit group giving latitude in degrees and minutes suffixed with N (north) or S (south) and a 5-digit group</td> </tr> </table>	enumeration	IMO Ship Reporting Format A	1: IMO Ship Reporting Format A-Ship (alpha); Information required: Name, call sign or ship station identity, and flag	enumeration	IMO Ship Reporting Format B	2: IMO Ship Reporting Format B-Time (bravo); Information required: A 6-digit group giving day of month (first two digits), hours and minutes (last four digits). If other than UTC state time zone used	enumeration	IMO Ship Reporting Format C	3: IMO Ship Reporting Format C-Position (charlie); Information required: A 4-digit group giving latitude in degrees and minutes suffixed with N (north) or S (south) and a 5-digit group
enumeration	IMO Ship Reporting Format A	1: IMO Ship Reporting Format A-Ship (alpha); Information required: Name, call sign or ship station identity, and flag								
enumeration	IMO Ship Reporting Format B	2: IMO Ship Reporting Format B-Time (bravo); Information required: A 6-digit group giving day of month (first two digits), hours and minutes (last four digits). If other than UTC state time zone used								
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			giving longitude in degrees and minutes suffixed with E (east) or W (west)
enumeration	IMO Ship Reporting Format D	4:	IMO Ship Reporting Format D-Position (delta); Information required: True bearing (first 3-digits) and distance (state distance) in nautical miles from a clearly identified landmark (state landmark)
enumeration	IMO Ship Reporting Format E	5:	IMO Ship Reporting Format E-Course (echo); Information required: True course, a 3-digit group
enumeration	IMO Ship Reporting Format F	6:	IMO Ship Reporting Format F-Speed (foxtrot); Information required: Speed in knots and tenths of knots, a 3-digit group
enumeration	IMO Ship Reporting Format G	7:	IMO Ship Reporting Format G-Departed (golf); Information required: Name of last port of call
enumeration	IMO Ship Reporting Format H	8:	IMO Ship Reporting Format H-Entry (hotel); Information required: Entry time expressed as in (B) and entry position expressed as in (C) or (D)
enumeration	IMO Ship Reporting Format I	9:	IMO Ship Reporting Format I-Destination and ETA (india); Information required: Name of port and date time group expressed as in (B)
enumeration	IMO Ship Reporting Format J	10:	IMO Ship Reporting Format J-Pilot (juliet); Information required: State whether a deep-sea or local pilot is on board
enumeration	IMO Ship Reporting Format K	11:	IMO Ship Reporting Format K-Exit (kilo); Information required: Exit time expressed as in (B) and exit position expressed as in (C) or (D)
enumeration	IMO Ship Reporting Format L	12:	IMO Ship Reporting Format L-Route (lima); Information required: Intended track
enumeration	IMO Ship Reporting Format M	13:	IMO Ship Reporting Format M-Radio communications (mike); Information required: State in full names of stations/frequencies guarded
enumeration	IMO Ship Reporting Format N	14:	IMO Ship Reporting Format N-Next report (november); Information required: Date time group expressed as in (B)
enumeration	IMO Ship Reporting Format O	15:	IMO Ship Reporting Format O-Draught (oscar); Information required: 4-digit group giving metres and centimetres
enumeration	IMO Ship Reporting Format P	16:	IMO Ship Reporting Format P-Cargo (papa); Information required: Cargo and brief details of any dangerous cargoes as well as harmful substances and gases that could endanger persons or the environment (See detailed reporting requirements)
enumeration	IMO Ship Reporting Format Q	17:	IMO Ship Reporting Format Q-Defect, damage, deficiency, limitations (quebec); Information required: Brief details of defects, damage, deficiencies or other limitations (See detailed reporting requirements)
enumeration	IMO Ship Reporting Format R	18:	IMO Ship Reporting Format R-Pollution/dangerous goods lost overboard (romeo); Information required: Brief details of type of pollution (oil, chemicals, etc.) or dangerous goods lost overboard; position expressed as in (C) or (D) (See detailed reporting requirements)
enumeration	IMO Ship Reporting Format S	19:	IMO Ship Reporting Format S-Weather (sierra); Information required: Brief details of weather and sea conditions prevailing
enumeration	IMO Ship Reporting Format T	20:	IMO Ship Reporting Format T-Agent (tango); Information required: Details of name and particulars of ship's representative or owner or both for provision of information (See detailed reporting requirements)
enumeration	IMO Ship Reporting Format U	21:	IMO Ship Reporting Format U-Size and type (uniform); Information required: Details of length, breadth, tonnage, and type, etc., as required
enumeration	IMO Ship Reporting Format V	22:	IMO Ship Reporting Format V-Medic (victor); Information required: Doctor, physician's

		assistant, nurse, personnel without medical training
enumeration	IMO Ship Reporting Format W	23: IMO Ship Reporting Format W-Persons (whiskey); Information required: State number
enumeration	IMO Ship Reporting Format X	24: IMO Ship Reporting Format X-Remarks (x-ray); Information required: Any other information including, as appropriate, brief details of incident and of other ships involved either in incident, assistance or salvage (See detailed reporting requirements)
enumeration	IMO Ship Reporting Format Y	25: IMO Ship Reporting Format Y-Relay (yankee); Information required: Content of report
enumeration	IMO Ship Reporting Format Z	26: IMO Ship Reporting Format Z-End of report (zulu); Information required: No further information required
Used by	Complex Type	sRSFormatCodeType
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type sRSFormatCodeCode

Namespace	http://www.oho.int/S127/2.0																															
Annotations	The standard ship reporting formats according to IMO Resolution A.531(13) General Principles for Ship Reporting System or IMO A.851(20).																															
Diagram	<p>The diagram shows a UML class named 'sRSFormatCodeCode' with a hollow diamond symbol indicating it is a derived type. An arrow points from this class to another class named 'xs:integer'. Below the classes, two callouts provide additional information: one states 'The standard ship reporting formats according to IMO Resolution A.531(13) General Principles for Ship Reporting System...', and the other 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	<table border="1"> <tr> <td>enumeration</td> <td>1</td> <td>IMO Ship Reporting Format A-Ship (alpha); Information required: Name, call sign or ship station identity, and flag</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>IMO Ship Reporting Format B-Time (bravo); Information required: A 6-digit group giving day of month (first two digits), hours and minutes (last four digits). If other than UTC state time zone used</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>IMO Ship Reporting Format C-Position (charlie); Information required: A 4-digit group giving latitude in degrees and minutes suffixed with N (north) or S (south) and a 5-digit group giving longitude in degrees and minutes suffixed with E (east) or W (west)</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>IMO Ship Reporting Format D-Position (delta); Information required: True bearing (first 3-digits) and distance (state distance) in nautical miles from a clearly identified landmark (state landmark)</td> </tr> <tr> <td>enumeration</td> <td>5</td> <td>IMO Ship Reporting Format E-Course (echo); Information required: True course, a 3-digit group</td> </tr> <tr> <td>enumeration</td> <td>6</td> <td>IMO Ship Reporting Format F-Speed (foxtrot); Information required: Speed in knots and tenths of knots, a 3-digit group</td> </tr> <tr> <td>enumeration</td> <td>7</td> <td>IMO Ship Reporting Format G-Departed (golf); Information required: Name of last port of call</td> </tr> <tr> <td>enumeration</td> <td>8</td> <td>IMO Ship Reporting Format H-Entry (hotel); Information required: Entry time expressed as in (B) and entry position expressed as in (C) or (D)</td> </tr> <tr> <td>enumeration</td> <td>9</td> <td>IMO Ship Reporting Format I-Destination and ETA (india); Information required: Name of port and date time group expressed as in (B)</td> </tr> <tr> <td>enumeration</td> <td>10</td> <td>IMO Ship Reporting Format J-Pilot (juliet); Information required: State whether a deep-sea or local pilot is on board</td> </tr> </table>		enumeration	1	IMO Ship Reporting Format A-Ship (alpha); Information required: Name, call sign or ship station identity, and flag	enumeration	2	IMO Ship Reporting Format B-Time (bravo); Information required: A 6-digit group giving day of month (first two digits), hours and minutes (last four digits). If other than UTC state time zone used	enumeration	3	IMO Ship Reporting Format C-Position (charlie); Information required: A 4-digit group giving latitude in degrees and minutes suffixed with N (north) or S (south) and a 5-digit group giving longitude in degrees and minutes suffixed with E (east) or W (west)	enumeration	4	IMO Ship Reporting Format D-Position (delta); Information required: True bearing (first 3-digits) and distance (state distance) in nautical miles from a clearly identified landmark (state landmark)	enumeration	5	IMO Ship Reporting Format E-Course (echo); Information required: True course, a 3-digit group	enumeration	6	IMO Ship Reporting Format F-Speed (foxtrot); Information required: Speed in knots and tenths of knots, a 3-digit group	enumeration	7	IMO Ship Reporting Format G-Departed (golf); Information required: Name of last port of call	enumeration	8	IMO Ship Reporting Format H-Entry (hotel); Information required: Entry time expressed as in (B) and entry position expressed as in (C) or (D)	enumeration	9	IMO Ship Reporting Format I-Destination and ETA (india); Information required: Name of port and date time group expressed as in (B)	enumeration	10	IMO Ship Reporting Format J-Pilot (juliet); Information required: State whether a deep-sea or local pilot is on board
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enumeration	12	IMO Ship Reporting Format L-Route (lima); Information required: Intended track
enumeration	13	IMO Ship Reporting Format M-Radio communications (mike); Information required: State in full names of stations/frequencies guarded
enumeration	14	IMO Ship Reporting Format N-Next report (november); Information required: Date time group expressed as in (B)
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enumeration	19	IMO Ship Reporting Format S-Weather (sierra); Information required: Brief details of weather and sea conditions prevailing
enumeration	20	IMO Ship Reporting Format T-Agent (tango); Information required: Details of name and particulars of ship's representative or owner or both for provision of information (See detailed reporting requirements)
enumeration	21	IMO Ship Reporting Format U-Size and type (uniform); Information required: Details of length, breadth, tonnage, and type, etc., as required
enumeration	22	IMO Ship Reporting Format V-Medic (victor); Information required: Doctor, physician's assistant, nurse, personnel without medical training
enumeration	23	IMO Ship Reporting Format W-Persons (whiskey); Information required: State number
enumeration	24	IMO Ship Reporting Format X-Remarks (x-ray); Information required: Any other information including, as appropriate, brief details of incident and of other ships involved either in incident, assistance or salvage (See detailed reporting requirements)
enumeration	25	IMO Ship Reporting Format Y-Relay (yankee); Information required: Content of report
enumeration	26	IMO Ship Reporting Format Z-End of report (zulu); Information required: No further information required
Used by	Attribute	sRSFormatCodeType/@code
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type **ShipReport_sRSFormatCodeLabel**

Namespace	http://www.ihc.int/S127/2.0
Annotations	Custom enum: ShipReport/sRSFormatCode

Diagram	<p>Custom enum: ShipReport/sRSFormatCode</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	restriction of xs:string	
Facets	enumeration	IMO Ship Reporting Format A
	enumeration	IMO Ship Reporting Format B
	enumeration	IMO Ship Reporting Format C
	enumeration	IMO Ship Reporting Format D
	enumeration	IMO Ship Reporting Format E
	enumeration	IMO Ship Reporting Format F
	enumeration	IMO Ship Reporting Format G
	enumeration	IMO Ship Reporting Format H
	enumeration	IMO Ship Reporting Format I
	enumeration	IMO Ship Reporting Format J
	enumeration	IMO Ship Reporting Format K
	enumeration	IMO Ship Reporting Format L
	enumeration	IMO Ship Reporting Format M
	enumeration	IMO Ship Reporting Format N
	enumeration	IMO Ship Reporting Format O
	enumeration	IMO Ship Reporting Format P
	enumeration	IMO Ship Reporting Format Q
	enumeration	IMO Ship Reporting Format R
	enumeration	IMO Ship Reporting Format S
	enumeration	IMO Ship Reporting Format T
	enumeration	IMO Ship Reporting Format U
	enumeration	IMO Ship Reporting Format V
	enumeration	IMO Ship Reporting Format W
	enumeration	IMO Ship Reporting Format X
	enumeration	IMO Ship Reporting Format Y
	enumeration	IMO Ship Reporting Format Z
Used by	Complex Type	ShipReport_sRSFormatCodeType

Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd
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Simple Type `ShipReport_sRSFormatCodeCode`

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Custom enum: ShipReport/sRSFormatCode		
Diagram	<pre> classDiagram class ShipReport_sRSFormatCodeCode class xs_integer ShipReport_sRSFormatCodeCode < -- xs_integer </pre> <p>Custom enum: ShipReport/sRSFormatCode</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	IMO Ship Reporting Format A-Ship (alpha); Information required: Name, call sign or ship station identity, and flag
	enumeration	2	IMO Ship Reporting Format B-Time (bravo); Information required: A 6-digit group giving day of month (first two digits), hours and minutes (last four digits). If other than UTC state time zone used
	enumeration	3	IMO Ship Reporting Format C-Position (charlie); Information required: A 4-digit group giving latitude in degrees and minutes suffixed with N (north) or S (south) and a 5-digit group giving longitude in degrees and minutes suffixed with E (east) or W (west)
	enumeration	4	IMO Ship Reporting Format D-Position (delta); Information required: True bearing (first 3-digits) and distance (state distance) in nautical miles from a clearly identified landmark (state landmark)
	enumeration	5	IMO Ship Reporting Format E-Course (echo); Information required: True course, a 3-digit group
	enumeration	6	IMO Ship Reporting Format F-Speed (foxtrot); Information required: Speed in knots and tenths of knots, a 3-digit group
	enumeration	7	IMO Ship Reporting Format G-Departed (golf); Information required: Name of last port of call
	enumeration	8	IMO Ship Reporting Format H-Entry (hotel); Information required: Entry time expressed as in (B) and entry position expressed as in (C) or (D)
	enumeration	9	IMO Ship Reporting Format I-Destination and ETA (india); Information required: Name of port and date time group expressed as in (B)
	enumeration	10	IMO Ship Reporting Format J-Pilot (juliet); Information required: State whether a deep-sea or local pilot is on board
	enumeration	11	IMO Ship Reporting Format K-Exit (kilo); Information required: Exit time expressed as in (B) and exit position expressed as in (C) or (D)
	enumeration	12	IMO Ship Reporting Format L-Route (lima); Information required: Intended track
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enumeration	17	IMO Ship Reporting Format Q-Defect, damage, deficiency, limitations (quebec); Information required: Brief details of defects, damage, deficiencies or other limitations (See detailed reporting requirements)
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enumeration	25	IMO Ship Reporting Format Y-Relay (yankee); Information required: Content of report
enumeration	26	IMO Ship Reporting Format Z-End of report (zulu); Information required: No further information required
Used by	Attribute	ShipReport_sRSFormatCodeType/@code
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type sourceTypeLabel

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Type of the source.		
Diagram	<p>The diagram shows a UML class named "sourceTypeLabel" with a hollow diamond symbol indicating generalization. A line connects it to another class named "xs:string". Below the classes, a callout box labeled "Type of the source." points to the "sourceTypeLabel" class. Another callout box labeled "Built-in primitive type. The string datatype represents character strings in XML." points to the "xs:string" class.</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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type sourceTypeCode

Namespace	http://www.ihodata.org/S127/2.0		
Annotations	Type of the source.		
Diagram	<p>Type of the source. 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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type sourceIndication_sourceTypeLabel

Namespace	http://www.ihodata.org/S127/2.0		
Annotations	Restricted values of sourceIndication/sourceType		
Diagram	<p>Restricted values of sourceIndication/sourceType. 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
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type sourceIndication_sourceTypeCode

Namespace	http://www.ihoint/S127/2.0	
Annotations	Restricted values of sourceIndication/sourceType	
Diagram	<pre> classDiagram class sourceIndication_sourceTypeCode { <<Restricted values of sourceIndication/sourceType>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } sourceIndication_sourceTypeCode < -- xs_integer </pre>	
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
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type statusLabel

Namespace	http://www.ihoint/S127/2.0	
Annotations	The condition of an object at a given instant in time.	
Diagram	<pre> classDiagram class statusLabel { <<The condition of an object at a given instant in time.>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } statusLabel < -- xs_string </pre>	
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	Private	8: Administered by an individual or corporation, rather than a State or a public body.
	enumeration	Mandatory	9: Compulsory; enforced.
	enumeration	Illuminated	12: Lit by floodlights, strip lights, etc.
	enumeration	Public	14: Belonging to, available to, used or shared by, the community as a whole and not restricted to private use.
	enumeration	Synchronized	15: Occur at a time, coincide in point of time, be contemporary or simultaneous.
	enumeration	Watched	16: Looked at or observed over a period of time especially so as to be aware of any movement or change.
	enumeration	Unwatched	17: Usually automatic in operation, without any permanently-stationed personnel to superintend it.
	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	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type **statusCode**

Namespace	http://www.ihoint/S127/2.0		
Annotations	The condition of an object at a given instant in time.		
Diagram	<p>The condition of an object at a given instant in 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	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	8	Administered by an individual or corporation, rather than a State or a public body.
	enumeration	9	Compulsory; enforced.
	enumeration	12	Lit by floodlights, strip lights, etc.
	enumeration	14	Belonging to, available to, used or shared by, the community as a whole and not restricted to private use.
	enumeration	15	Occur at a time, coincide in point of time, be contemporary or simultaneous.
	enumeration	16	Looked at or observed over a period of time especially so as to be aware of any movement or change.
	enumeration	17	Usually automatic in operation, without any permanently-stationed personnel to superintend it.
	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	

Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd
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Simple Type CautionAreaStatusLabel

Namespace	http://www.oho.int/S127/2.0	
Annotations	Custom enum: CautionArea/status	
Diagram	<pre> classDiagram class CautionAreaStatusLabel { <<Custom enum: CautionArea/status>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } CautionAreaStatusLabel "1" -- "0..1" xsString </pre>	
Type	restriction of xs:string	
Facets	enumeration	Periodic/Intermittent
	enumeration	Temporary
Used by	Complex Type	CautionArea_statusType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type CautionArea_statusCode

Namespace	http://www.oho.int/S127/2.0	
Annotations	Custom enum: CautionArea/status	
Diagram	<pre> classDiagram class CautionArea_statusCode { <<Custom enum: CautionArea/status>> } class xsInteger { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } CautionArea_statusCode "1" -- "0..1" xsInteger </pre>	
Type	restriction of xs:integer	
Facets	enumeration	5 Recurring at intervals.
	enumeration	7 Meant to last only for a time.
Used by	Attribute	CautionArea_statusType/@code
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type ConcentrationOfShippingHazardAreaStatusLabel

Namespace	http://www.oho.int/S127/2.0	
Annotations	Custom enum: ConcentrationOfShippingHazardArea/status	
Diagram	<pre> classDiagram class ConcentrationOfShippingHazardAreaStatusLabel { <<Custom enum: ConcentrationOfShippingHazardArea/status>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } ConcentrationOfShippingHazardAreaStatusLabel "1" -- "0..1" xsString </pre>	
Type	restriction of xs:string	
Facets	enumeration	Permanent
	enumeration	Occasional
	enumeration	Periodic/Intermittent
	enumeration	Temporary
	enumeration	Watched
	enumeration	Unwatched
Used by	Complex Type	ConcentrationOfShippingHazardArea_statusType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type ConcentrationOfShippingHazardArea_statusCode

Namespace	http://www.oho.int/S127/2.0	
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Annotations	Custom enum: ConcentrationOfShippingHazardArea/status	
Diagram		<p>Custom enum: ConcentrationOfShippingHazardArea/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 5	Recurring at intervals.
	enumeration 7	Meant to last only for a time.
	enumeration 16	Looked at or observed over a period of time especially so as to be aware of any movement or change.
	enumeration 17	Usually automatic in operation, without any permanently-stationed personnel to superintend it.
Used by	Attribute	ConcentrationOfShippingHazardArea_statusType/@code
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type MilitaryPracticeAreaStatusLabel

Namespace	http://www.ihoint/S127/2.0	
Annotations	Custom enum: MilitaryPracticeArea/status	
Diagram		<p>Custom enum: MilitaryPracticeArea/status</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	restriction of xs:string	
Facets	enumeration Permanent	
	enumeration Occasional	
	enumeration Periodic/Intermittent	
	enumeration Reserved	
	enumeration Temporary	
	enumeration Watched	
	enumeration Unwatched	
Used by	Complex Type	MilitaryPracticeArea_statusType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type MilitaryPracticeArea_statusCode

Namespace	http://www.ihoint/S127/2.0	
Annotations	Custom enum: MilitaryPracticeArea/status	
Diagram		<p>Custom enum: MilitaryPracticeArea/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 5	Recurring at intervals.
	enumeration 6	Set apart for some specific use.
	enumeration 7	Meant to last only for a time.

	enumeration	16	Looked at or observed over a period of time especially so as to be aware of any movement or change.
	enumeration	17	Usually automatic in operation, without any permanently-stationed personnel to superintend it.
Used by	Attribute	MilitaryPracticeArea_statusType/@code	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type PilotBoardingPlaceStatusLabel

Namespace	http://www.ihoint/S127/2.0		
Annotations	Custom enum: PilotBoardingPlace/status		
Diagram	<pre> classDiagram class PilotBoardingPlaceStatusLabel { <<Custom enum: PilotBoardingPlace/status>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } PilotBoardingPlaceStatusLabel "1" -- "0..1" xsString </pre>		
Type	restriction of xs:string		
Facets	enumeration	Permanent	
	enumeration	Occasional	
	enumeration	Periodic/Intermittent	
	enumeration	Reserved	
	enumeration	Mandatory	
	enumeration	Watched	
	enumeration	Unwatched	
	enumeration	Buoyed	
Used by	Complex Type	PilotBoardingPlace_statusType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type PilotBoardingPlace_statusCode

Namespace	http://www.ihoint/S127/2.0		
Annotations	Custom enum: PilotBoardingPlace/status		
Diagram	<pre> classDiagram class PilotBoardingPlace_statusCode { <<Custom enum: PilotBoardingPlace/status>> } class xsInteger { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } PilotBoardingPlace_statusCode "1" -- "0..1" xsInteger </pre>		
Type	restriction of xs:integer		
Facets	enumeration	1	Intended to last or function indefinitely.
	enumeration	2	Acting on special occasions; happening irregularly.
	enumeration	5	Recurring at intervals.
	enumeration	6	Set apart for some specific use.
	enumeration	9	Compulsory; enforced.
	enumeration	16	Looked at or observed over a period of time especially so as to be aware of any movement or change.
	enumeration	17	Usually automatic in operation, without any permanently-stationed personnel to superintend it.
	enumeration	28	Marked by buoys.
Used by	Attribute	PilotBoardingPlace_statusType/@code	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type PiracyRiskAreaStatusLabel

Namespace	http://www.oho.int/S127/2.0									
Annotations	Custom enum: PiracyRiskArea/status									
Diagram	<pre> classDiagram class PiracyRiskAreaStatusLabel { <<Custom enum: PiracyRiskArea/status>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } PiracyRiskAreaStatusLabel "1" -- "2" xs_string </pre>									
Type	restriction of xs:string									
Facets	<table> <tr> <td>enumeration</td> <td>Permanent</td> </tr> <tr> <td>enumeration</td> <td>Occasional</td> </tr> <tr> <td>enumeration</td> <td>Periodic/Intermittent</td> </tr> <tr> <td>enumeration</td> <td>Temporary</td> </tr> </table>		enumeration	Permanent	enumeration	Occasional	enumeration	Periodic/Intermittent	enumeration	Temporary
enumeration	Permanent									
enumeration	Occasional									
enumeration	Periodic/Intermittent									
enumeration	Temporary									
Used by	Complex Type	PiracyRiskArea_statusType								
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd									

Simple Type PiracyRiskArea_statusCode

Namespace	http://www.oho.int/S127/2.0													
Annotations	Custom enum: PiracyRiskArea/status													
Diagram	<pre> classDiagram class PiracyRiskArea_statusCode { <<Custom enum: PiracyRiskArea/status>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } PiracyRiskArea_statusCode "1" -- "2" xs_integer </pre>													
Type	restriction of xs:integer													
Facets	<table> <tr> <td>enumeration</td> <td>1</td> <td>Intended to last or function indefinitely.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>Acting on special occasions; happening irregularly.</td> </tr> <tr> <td>enumeration</td> <td>5</td> <td>Recurring at intervals.</td> </tr> <tr> <td>enumeration</td> <td>7</td> <td>Meant to last only for a time.</td> </tr> </table>		enumeration	1	Intended to last or function indefinitely.	enumeration	2	Acting on special occasions; happening irregularly.	enumeration	5	Recurring at intervals.	enumeration	7	Meant to last only for a time.
enumeration	1	Intended to last or function indefinitely.												
enumeration	2	Acting on special occasions; happening irregularly.												
enumeration	5	Recurring at intervals.												
enumeration	7	Meant to last only for a time.												
Used by	Attribute	PiracyRiskArea_statusType/@code												
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd													

Simple Type PlaceOfRefugeStatusLabel

Namespace	http://www.oho.int/S127/2.0																					
Annotations	Custom enum: PlaceOfRefuge/status																					
Diagram	<pre> classDiagram class PlaceOfRefugeStatusLabel { <<Custom enum: PlaceOfRefuge/status>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } PlaceOfRefugeStatusLabel "1" -- "2" xs_string </pre>																					
Type	restriction of xs:string																					
Facets	<table> <tr> <td>enumeration</td> <td>Permanent</td> </tr> <tr> <td>enumeration</td> <td>Occasional</td> </tr> <tr> <td>enumeration</td> <td>Recommended</td> </tr> <tr> <td>enumeration</td> <td>Not in Use</td> </tr> <tr> <td>enumeration</td> <td>Periodic/Intermittent</td> </tr> <tr> <td>enumeration</td> <td>Reserved</td> </tr> <tr> <td>enumeration</td> <td>Temporary</td> </tr> <tr> <td>enumeration</td> <td>Private</td> </tr> <tr> <td>enumeration</td> <td>Mandatory</td> </tr> <tr> <td>enumeration</td> <td>Buoyed</td> </tr> </table>		enumeration	Permanent	enumeration	Occasional	enumeration	Recommended	enumeration	Not in Use	enumeration	Periodic/Intermittent	enumeration	Reserved	enumeration	Temporary	enumeration	Private	enumeration	Mandatory	enumeration	Buoyed
enumeration	Permanent																					
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enumeration	Private																					
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Used by	Complex Type	PlaceOfRefuge_statusType
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type PlaceOfRefuge_statusCode

Namespace	http://www.ihc.int/S127/2.0																															
Annotations	Custom enum: PlaceOfRefuge/status																															
Diagram	<p>The diagram shows a class named 'PlaceOfRefuge_statusCode' with a multiplicity of 0..1. It has a directed association with another class 'xs:integer' with a multiplicity of 0..1. A callout box for 'PlaceOfRefuge_statusCode' states 'Custom enum: PlaceOfRefuge/status'. 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	<table> <tr> <td>enumeration</td> <td>1</td> <td>Intended to last or function indefinitely.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>Acting on special occasions; happening irregularly.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>Presented as worthy of confidence, acceptance, use, etc.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>Use has ceased, but the facility still exists intact; disused.</td> </tr> <tr> <td>enumeration</td> <td>5</td> <td>Recurring at intervals.</td> </tr> <tr> <td>enumeration</td> <td>6</td> <td>Set apart for some specific use.</td> </tr> <tr> <td>enumeration</td> <td>7</td> <td>Meant to last only for a time.</td> </tr> <tr> <td>enumeration</td> <td>8</td> <td>Administered by an individual or corporation, rather than a State or a public body.</td> </tr> <tr> <td>enumeration</td> <td>9</td> <td>Compulsory; enforced.</td> </tr> <tr> <td></td> <td>28</td> <td>Marked by buoys.</td> </tr> </table>		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	8	Administered by an individual or corporation, rather than a State or a public body.	enumeration	9	Compulsory; enforced.		28	Marked by buoys.
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	28	Marked by buoys.																														
Used by	Attribute PlaceOfRefuge_statusType/@code																															
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																															

Simple Type RadarRangeStatusLabel

Namespace	http://www.ihc.int/S127/2.0									
Annotations	Custom enum: RadarRange/status									
Diagram	<p>The diagram shows a class named 'RadarRangeStatusLabel' with a multiplicity of 0..1. It has a directed association with another class 'xs:string' with a multiplicity of 0..1. A callout box for 'RadarRangeStatusLabel' states 'Custom enum: RadarRange/status'. 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	<table> <tr> <td>enumeration</td> <td>Permanent</td> </tr> <tr> <td>enumeration</td> <td>Occasional</td> </tr> <tr> <td>enumeration</td> <td>Not in Use</td> </tr> <tr> <td>enumeration</td> <td>Temporary</td> </tr> </table>		enumeration	Permanent	enumeration	Occasional	enumeration	Not in Use	enumeration	Temporary
enumeration	Permanent									
enumeration	Occasional									
enumeration	Not in Use									
enumeration	Temporary									
Used by	Complex Type RadarRange_statusType									
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd									

Simple Type RadarRange_statusCode

Namespace	http://www.ihc.int/S127/2.0	
Annotations	Custom enum: RadarRange/status	
Diagram	<p>The diagram shows a class named 'RadarRange_statusCode' with a multiplicity of 0..1. It has a directed association with another class 'xs:integer' with a multiplicity of 0..1. A callout box for 'RadarRange_statusCode' states 'Custom enum: RadarRange/status'. 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	Intended to last or function indefinitely.
	enumeration	2	Acting on special occasions; happening irregularly.
	enumeration	4	Use has ceased, but the facility still exists intact; disused.
	enumeration	7	Meant to last only for a time.
Used by	Attribute	RadarRange_statusType/@code	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type RadioCallingInPointStatusLabel

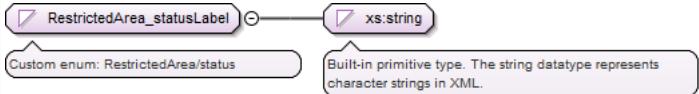
Namespace	http://www.oho.int/S127/2.0																							
Annotations	Custom enum: RadioCallingInPoint/status																							
Diagram	<pre> classDiagram class RadioCallingInPointStatusLabel { <<Custom enum: RadioCallingInPoint/status>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } RadioCallingInPointStatusLabel "1" -- "0..1" xsString </pre>																							
Type	restriction of xs:string																							
Facets	<table border="1"> <tr><td>enumeration</td><td>Permanent</td><td></td></tr> <tr><td>enumeration</td><td>Recommended</td><td></td></tr> <tr><td>enumeration</td><td>Not in Use</td><td></td></tr> <tr><td>enumeration</td><td>Periodic/ Intermittent</td><td></td></tr> <tr><td>enumeration</td><td>Reserved</td><td></td></tr> <tr><td>enumeration</td><td>Temporary</td><td></td></tr> <tr><td>enumeration</td><td>Mandatory</td><td></td></tr> </table>			enumeration	Permanent		enumeration	Recommended		enumeration	Not in Use		enumeration	Periodic/ Intermittent		enumeration	Reserved		enumeration	Temporary		enumeration	Mandatory	
enumeration	Permanent																							
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enumeration	Periodic/ Intermittent																							
enumeration	Reserved																							
enumeration	Temporary																							
enumeration	Mandatory																							
Used by	Complex Type	RadioCallingInPoint_statusType																						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																							

Simple Type RadioCallingInPoint_statusCode

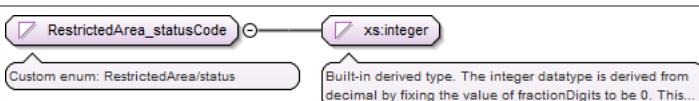
Namespace	http://www.oho.int/S127/2.0																							
Annotations	Custom enum: RadioCallingInPoint/status																							
Diagram	<pre> classDiagram class RadioCallingInPoint_statusCode { <<Custom enum: RadioCallingInPoint/status>> } class xsInteger { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } RadioCallingInPoint_statusCode "1" -- "0..1" xsInteger </pre>																							
Type	restriction of xs:integer																							
Facets	<table border="1"> <tr><td>enumeration</td><td>1</td><td>Intended to last or function indefinitely.</td></tr> <tr><td>enumeration</td><td>3</td><td>Presented as worthy of confidence, acceptance, use, etc.</td></tr> <tr><td>enumeration</td><td>4</td><td>Use has ceased, but the facility still exists intact; disused.</td></tr> <tr><td>enumeration</td><td>5</td><td>Recurring at intervals.</td></tr> <tr><td>enumeration</td><td>6</td><td>Set apart for some specific use.</td></tr> <tr><td>enumeration</td><td>7</td><td>Meant to last only for a time.</td></tr> <tr><td>enumeration</td><td>9</td><td>Compulsory; enforced.</td></tr> </table>			enumeration	1	Intended to last or function indefinitely.	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.
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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.																						
Used by	Attribute	RadioCallingInPoint_statusType/@code																						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																							

Simple Type RestrictedAreaStatusLabel

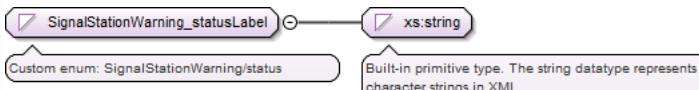
Namespace	http://www.oho.int/S127/2.0		
Annotations	Custom enum: RestrictedArea/status		

Diagram	
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
Used by	Complex Type RestrictedArea_statusType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type RestrictedArea_statusCode

Namespace	http://www.ihc.int/S127/2.0
Annotations	Custom enum: RestrictedArea/status
Diagram	
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.
Used by	Attribute RestrictedArea_statusType/@code
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type SignalStationWarningStatusLabel

Namespace	http://www.ihc.int/S127/2.0
Annotations	Custom enum: SignalStationWarning/status
Diagram	
Type	restriction of xs:string

Facets	enumeration	Permanent
	enumeration	Occasional
	enumeration	Not in Use
	enumeration	Periodic/ Intermittent
	enumeration	Temporary
	enumeration	Private
	enumeration	Illuminated
	enumeration	Public
	enumeration	Synchronized
	enumeration	Watched
	enumeration	Unwatched
Used by	Complex Type	SignalStationWarning_statusType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type SignalStationWarning_statusCode

Namespace	http://www.oho.int/S127/2.0																																		
Annotations	Custom enum: SignalStationWarning/status																																		
Diagram	<p>The diagram shows a UML class named 'SignalStationWarning_statusCode' with a multiplicity of 1. It has a directed association with another class named 'xs:integer' (represented by a purple rounded rectangle) with a multiplicity of 1. A callout box points to the 'xs:integer' class 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 border="1"> <tr> <td>enumeration</td> <td>1</td> <td>Intended to last or function indefinitely.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>Acting on special occasions; happening irregularly.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>Use has ceased, but the facility still exists intact; disused.</td> </tr> <tr> <td>enumeration</td> <td>5</td> <td>Recurring at intervals.</td> </tr> <tr> <td>enumeration</td> <td>7</td> <td>Meant to last only for a time.</td> </tr> <tr> <td>enumeration</td> <td>8</td> <td>Administered by an individual or corporation, rather than a State or a public body.</td> </tr> <tr> <td>enumeration</td> <td>12</td> <td>Lit by floodlights, strip lights, etc.</td> </tr> <tr> <td>enumeration</td> <td>14</td> <td>Belonging to, available to, used or shared by, the community as a whole and not restricted to private use.</td> </tr> <tr> <td>enumeration</td> <td>15</td> <td>Occur at a time, coincide in point of time, be contemporary or simultaneous.</td> </tr> <tr> <td>enumeration</td> <td>16</td> <td>Looked at or observed over a period of time especially so as to be aware of any movement or change.</td> </tr> <tr> <td>enumeration</td> <td>17</td> <td>Usually automatic in operation, without any permanently-stationed personnel to superintend it.</td> </tr> </table>		enumeration	1	Intended to last or function indefinitely.	enumeration	2	Acting on special occasions; happening irregularly.	enumeration	4	Use has ceased, but the facility still exists intact; disused.	enumeration	5	Recurring at intervals.	enumeration	7	Meant to last only for a time.	enumeration	8	Administered by an individual or corporation, rather than a State or a public body.	enumeration	12	Lit by floodlights, strip lights, etc.	enumeration	14	Belonging to, available to, used or shared by, the community as a whole and not restricted to private use.	enumeration	15	Occur at a time, coincide in point of time, be contemporary or simultaneous.	enumeration	16	Looked at or observed over a period of time especially so as to be aware of any movement or change.	enumeration	17	Usually automatic in operation, without any permanently-stationed personnel to superintend it.
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Used by	Attribute	SignalStationWarning_statusType/@code																																	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																																		

Simple Type SignalStationTrafficStatusLabel

Namespace	http://www.oho.int/S127/2.0	
Annotations	Custom enum: SignalStationTraffic/status	
Diagram	<p>The diagram shows a UML class named 'SignalStationTrafficStatusLabel' with a multiplicity of 1. It has a directed association with another class named 'xs:string' (represented by a purple rounded rectangle) with a multiplicity of 1. A callout box points to the 'xs:string' class 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	Not in Use
	enumeration	Periodic/Intermittent
	enumeration	Temporary
	enumeration	Private
	enumeration	Illuminated
	enumeration	Public
	enumeration	Synchronized
	enumeration	Watched
	enumeration	Unwatched
Used by	Complex Type	SignalStationTraffic_statusType
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type SignalStationTraffic_statusCode

Namespace	http://www.oho.int/S127/2.0																																		
Annotations	Custom enum: SignalStationTraffic/status																																		
Diagram	<p>The diagram shows a UML class named 'SignalStationTraffic_statusCode' with a hollow circle association end, indicating it is a custom enumeration type. It is associated with the built-in primitive type 'xs:integer'. A callout box for 'SignalStationTraffic/status' is shown below the class, and another for 'xs:integer' is shown above it, both pointing to their respective UML stereotypes.</p>																																		
Type	restriction of xs:integer																																		
Facets	<table border="1"> <tr> <td>enumeration</td> <td>1</td> <td>Intended to last or function indefinitely.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>Acting on special occasions; happening irregularly.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>Use has ceased, but the facility still exists intact; disused.</td> </tr> <tr> <td>enumeration</td> <td>5</td> <td>Recurring at intervals.</td> </tr> <tr> <td>enumeration</td> <td>7</td> <td>Meant to last only for a time.</td> </tr> <tr> <td>enumeration</td> <td>8</td> <td>Administered by an individual or corporation, rather than a State or a public body.</td> </tr> <tr> <td>enumeration</td> <td>12</td> <td>Lit by floodlights, strip lights, etc.</td> </tr> <tr> <td>enumeration</td> <td>14</td> <td>Belonging to, available to, used or shared by, the community as a whole and not restricted to private use.</td> </tr> <tr> <td>enumeration</td> <td>15</td> <td>Occur at a time, coincide in point of time, be contemporary or simultaneous.</td> </tr> <tr> <td>enumeration</td> <td>16</td> <td>Looked at or observed over a period of time especially so as to be aware of any movement or change.</td> </tr> <tr> <td>enumeration</td> <td>17</td> <td>Usually automatic in operation, without any permanently-stationed personnel to superintend it.</td> </tr> </table>		enumeration	1	Intended to last or function indefinitely.	enumeration	2	Acting on special occasions; happening irregularly.	enumeration	4	Use has ceased, but the facility still exists intact; disused.	enumeration	5	Recurring at intervals.	enumeration	7	Meant to last only for a time.	enumeration	8	Administered by an individual or corporation, rather than a State or a public body.	enumeration	12	Lit by floodlights, strip lights, etc.	enumeration	14	Belonging to, available to, used or shared by, the community as a whole and not restricted to private use.	enumeration	15	Occur at a time, coincide in point of time, be contemporary or simultaneous.	enumeration	16	Looked at or observed over a period of time especially so as to be aware of any movement or change.	enumeration	17	Usually automatic in operation, without any permanently-stationed personnel to superintend it.
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enumeration	17	Usually automatic in operation, without any permanently-stationed personnel to superintend it.																																	
Used by	Attribute SignalStationTraffic_statusType/@code																																		
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																																		

Simple Type WaterwayAreaStatusLabel

Namespace	http://www.oho.int/S127/2.0	
Annotations	Custom enum: WaterwayArea/status	
Diagram	<p>The diagram shows a UML class named 'WaterwayAreaStatusLabel' with a hollow circle association end, indicating it is a custom enumeration type. It is associated with the built-in primitive type 'xs:string'. A callout box for 'WaterwayArea/status' is shown below the class, and another for 'xs:string' is shown above it, both pointing to their respective UML stereotypes.</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	Private
	enumeration	Mandatory
	enumeration	Buoyed
Used by	Complex Type	WaterwayArea_statusType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type WaterwayArea_statusCode

Namespace	http://www.ihc.int/S127/2.0	
Annotations	Custom enum: WaterwayArea/status	
Diagram	<p>Custom enum: WaterwayArea/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	8 Administered by an individual or corporation, rather than a State or a public body.
	enumeration	9 Compulsory; enforced.
	enumeration	28 Marked by buoys.
Used by	Attribute	WaterwayArea_statusType/@code
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type telecommunicationIdentifierType

Namespace	http://www.ihc.int/S127/2.0	
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	<p>An identifier, such as words, numbers, letters, symbols, or any combination of those used to establish a contact to a...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	xs:string	
Used by	Element	telecommunicationsType/telecommunicationIdentifier
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type telecommunicationCarrierType

Namespace	http://www.ihc.int/S127/2.0
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	<pre> graph LR telecommunicationCarrierType[telecommunicationCarrierType] --> xsString[xs:string] </pre> <p>The diagram shows a UML class named "telecommunicationCarrierType" connected by a directed association to a primitive type "xs:string". A callout box below "telecommunicationCarrierType" contains the annotation: "The name of a provider or type of carrier for a telecommunication service. This service may include land line based,...". A callout box below "xs:string" contains the annotation: "Built-in primitive type. The string datatype represents character strings in XML.".</p>
Type	xs:string
Used by	Element telecommunicationsType/telecommunicationCarrier
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type telecommunicationServiceLabel

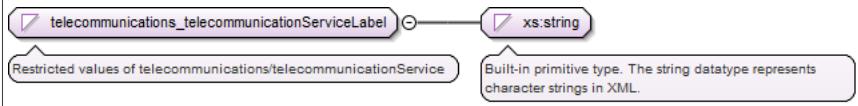
Namespace	http://www.ihc.int/S127/2.0																								
Annotations	Classification of methods of communication over a distance by electrical, electronic, or electromagnetic means.																								
Diagram	<pre> graph LR telecommunicationServiceLabel[telecommunicationServiceLabel] --> xsString[xs:string] </pre> <p>The diagram shows a UML class named "telecommunicationServiceLabel" connected by a directed association to a primitive type "xs:string". A callout box below "telecommunicationServiceLabel" contains the annotation: "Classification of methods of communication over a distance by electrical, electronic, or electromagnetic means.". A callout box below "xs:string" contains 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>Voice</td> <td>1: The transfer or exchange of information by using sounds that are being made by mouth and throat when speaking.</td> </tr> <tr> <td>enumeration</td> <td>Facsimile</td> <td>2: A system of transmitting and reproducing graphic matter (as printing or still pictures) by means of signals sent over telephone lines.</td> </tr> <tr> <td>enumeration</td> <td>SMS</td> <td>3: Short Message Service is a form of text messaging communication on phones and mobile phones.</td> </tr> <tr> <td>enumeration</td> <td>Data</td> <td>4: A representation of facts, concepts or instructions in a formalised manner suitable for communication, interpretation or processing.</td> </tr> <tr> <td>enumeration</td> <td>Streamed Data</td> <td>5: Data that is constantly received by and presented to an end-user while being delivered by a provider.</td> </tr> <tr> <td>enumeration</td> <td>Telex</td> <td>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).</td> </tr> <tr> <td>enumeration</td> <td>Telegraph</td> <td>7: An apparatus, system or process for communication at a distance by electric transmission over wire.</td> </tr> <tr> <td>enumeration</td> <td>Email</td> <td>8: Messages and other data exchanged between individuals using computers in a network.</td> </tr> </table>	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.
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enumeration	Email	8: Messages and other data exchanged between individuals using computers in a network.																							
Used by	Complex Type telecommunicationServiceType																								
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																								

Simple Type telecommunicationServiceCode

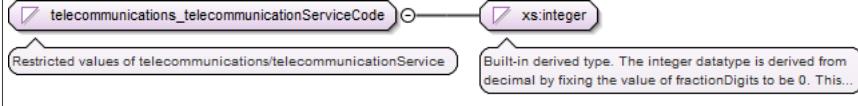
Namespace	http://www.ihc.int/S127/2.0
Annotations	Classification of methods of communication over a distance by electrical, electronic, or electromagnetic means.
Diagram	<pre> graph LR telecommunicationServiceCode[telecommunicationServiceCode] --> xsInteger[xs:integer] </pre> <p>The diagram shows a UML class named "telecommunicationServiceCode" connected by a directed association to a primitive type "xs:integer". A callout box below "telecommunicationServiceCode" contains the annotation: "Classification of methods of communication over a distance by electrical, electronic, or electromagnetic means.". A callout box below "xs:integer" contains the annotation: "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 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
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type `telecommunications_telecommunicationServiceLabel`

Namespace	http://www.ihc.int/S127/2.0	
Annotations	Restricted values of <code>telecommunications/telecommunicationService</code>	
Diagram		
Type	restriction of xs:string	
Facets	enumeration Voice enumeration Facsimile enumeration SMS enumeration Data enumeration Streamed Data enumeration Telex enumeration Telegraph enumeration Email	
Used by	Complex Type	<code>telecommunications_telecommunicationServiceType</code>
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type `telecommunications_telecommunicationServiceCode`

Namespace	http://www.ihc.int/S127/2.0	
Annotations	Restricted values of <code>telecommunications/telecommunicationService</code>	
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
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type `textType`

Namespace	http://www.ih0.int/S127/2.0	
Annotations	A non-formatted digital text string.	
Diagram	<pre> graph LR textType["textType"] --> xsString["xs:string"] style textType fill:#e0e0ff,stroke:#000 style xsString fill:#e0e0ff,stroke:#000 </pre> <p>A non-formatted digital text string.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	xs:string	
Used by	Elements	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type `textOffsetBearingType`

Namespace	http://www.ih0.int/S127/2.0					
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	<pre> graph LR textOffsetBearingType["textOffsetBearingType"] --> xsInteger["xs:integer"] style textOffsetBearingType fill:#e0e0ff,stroke:#000 style xsInteger fill:#e0e0ff,stroke:#000 </pre> <p>The angular distance measured from true north that text associated with a feature is positioned from the feature in an...</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>maxExclusive</td> <td>360</td> </tr> <tr> <td>minInclusive</td> <td>0</td> </tr> </table>		maxExclusive	360	minInclusive	0
maxExclusive	360					
minInclusive	0					
Used by	Element					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd					

Simple Type `textOffsetDistanceType`

Namespace	http://www.ih0.int/S127/2.0	
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Annotations	The distance that text associated with a feature is positioned from the feature in an end-user system.				
Diagram	<p>The diagram shows a UML class named "textOffsetDistanceType" with a hollow diamond symbol indicating it is derived from another type. A line connects "textOffsetDistanceType" to a box containing "xs:integer". A callout box under "textOffsetDistanceType" states: "The distance that text associated with a feature is positioned from the feature in an end-user system." 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	<table border="1"> <tr> <td>maxInclusive</td> <td>50</td> </tr> <tr> <td>minExclusive</td> <td>0</td> </tr> </table>	maxInclusive	50	minExclusive	0
maxInclusive	50				
minExclusive	0				
Used by	Element TextPlacementType/textOffsetDistance				
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd				

Simple Type textRotationType

Namespace	http://www.ihc.int/S127/2.0
Annotations	A statement that expresses if text associated with a feature is to be rotated in the ECDIS display or not.
Diagram	<p>The diagram shows a UML class named "textRotationType" with a hollow diamond symbol indicating it is derived from another type. A line connects "textRotationType" to a box containing "xs:boolean". A callout box under "textRotationType" states: "A statement that expresses if text associated with a feature is to be rotated in the ECDIS display or not." A callout box under "xs:boolean" states: "Built-in primitive type. It defines the boolean values true and false."</p>
Type	xs:boolean
Used by	Element TextPlacementType/textRotation
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type textTypeLabel

Namespace	http://www.ihc.int/S127/2.0			
Annotations	The attribute from which a text string is derived.			
Diagram	<p>The diagram shows a UML attribute named "textTypeLabel" with a hollow diamond symbol indicating it is derived from another type. A line connects "textTypeLabel" to a box containing "xs:string". A callout box under "textTypeLabel" states: "The attribute from which a text string is derived." 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	<table border="1"> <tr> <td>enumeration</td> <td>Name</td> <td>1: The individual name of a feature.</td> </tr> </table>	enumeration	Name	1: The individual name of a feature.
enumeration	Name	1: The individual name of a feature.		
Used by	Complex Type textTypeType			
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd			

Simple Type textTypeCode

Namespace	http://www.ihc.int/S127/2.0			
Annotations	The attribute from which a text string is derived.			
Diagram	<p>The diagram shows a UML attribute named "textTypeCode" with a hollow diamond symbol indicating it is derived from another type. A line connects "textTypeCode" to a box containing "xs:integer". A callout box under "textTypeCode" states: "The attribute from which a text string is derived." 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	<table border="1"> <tr> <td>enumeration</td> <td>1</td> <td>The individual name of a feature.</td> </tr> </table>	enumeration	1	The individual name of a feature.
enumeration	1	The individual name of a feature.		
Used by	Attribute textTypeType/@code			
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd			

Simple Type TextPlacement_textTypeLabel

Namespace	http://www.ihc.int/S127/2.0	
Annotations	Custom enum: TextPlacement/textType	
Diagram	<pre> classDiagram class TextPlacement_textTypeLabel class xs.string TextPlacement_textTypeLabel "1" -- "1" xs.string </pre>	<p>Custom enum: TextPlacement/textType</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	restriction of xs:string	
Facets	enumeration Name	
Used by	Complex Type	TextPlacement_textTypeType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type TextPlacement_textTypeCode

Namespace	http://www.ihc.int/S127/2.0	
Annotations	Custom enum: TextPlacement/textType	
Diagram	<pre> classDiagram class TextPlacement_textTypeCode class xs.integer TextPlacement_textTypeCode "1" -- "1" xs.integer </pre>	<p>Custom enum: TextPlacement/textType</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 individual name of a feature.
Used by	Attribute	TextPlacement_textTypeType/@code
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type thicknessOfIceCapabilityType

Namespace	http://www.ihc.int/S127/2.0	
Annotations	The thickness of ice that the ship can safely transit.	
Diagram	<pre> classDiagram class thicknessOfIceCapabilityType class xs.integer thicknessOfIceCapabilityType "1" -- "1" xs.integer </pre>	<p>The thickness of ice that the ship can safely transit.</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	minExclusive	0
Used by	Element	ApplicabilityType/thicknessOfIceCapability
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type timeOfDayEndType

Namespace	http://www.ihc.int/S127/2.0	
Annotations	The time corresponding to the end of an active period.	
Diagram	<pre> classDiagram class timeOfDayEndType class xs.time timeOfDayEndType "1" -- "1" xs.time </pre>	<p>The time corresponding to the end of an active period.</p> <p>Built-in primitive type. The time datatype represents an instant of time that recurs every day.</p>
Type	xs:time	
Used by	Element	timeIntervalsByDayOfWeekType/timeOfDayEnd
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type timeOfDayStartType

Namespace	http://www.oho.int/S127/2.0
Annotations	The time corresponding to the start of an active period.
Diagram	<pre> classDiagram class timeOfDayStartType { <<The time corresponding to the start of an active period>> } class xs_time { <<Built-in primitive type. The time datatype represents an instant of time that recurs every day.>> } timeOfDayStartType < -- xs_time </pre>
Type	xs:time
Used by	Element timeIntervalsByDayOfWeekType/timeOfDayStart
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type trafficFlowLabel

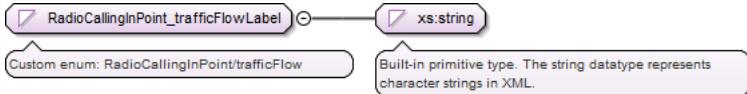
Namespace	http://www.oho.int/S127/2.0												
Annotations	Direction of vessels passing a reference point.												
Diagram	<pre> classDiagram class trafficFlowLabel { <<Direction of vessels passing a reference point.>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } trafficFlowLabel < -- xs_string </pre>												
Type	restriction of xs:string												
Facets	<table> <tr> <td>enumeration</td> <td>Inbound</td> <td>1: Traffic flow in a general direction toward a port or similar destination.</td> </tr> <tr> <td>enumeration</td> <td>Outbound</td> <td>2: Traffic flow in a general direction away from a port or similar point of origin.</td> </tr> <tr> <td>enumeration</td> <td>One-Way</td> <td>3: Traffic flow in one general direction only.</td> </tr> <tr> <td>enumeration</td> <td>Two-Way</td> <td>4: Traffic flow in two generally opposite directions.</td> </tr> </table>	enumeration	Inbound	1: Traffic flow in a general direction toward a port or similar destination.	enumeration	Outbound	2: Traffic flow in a general direction away from a port or similar point of origin.	enumeration	One-Way	3: Traffic flow in one general direction only.	enumeration	Two-Way	4: Traffic flow in two generally opposite directions.
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enumeration	Two-Way	4: Traffic flow in two generally opposite directions.											
Used by	Complex Type trafficFlowType												
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd												

Simple Type trafficFlowCode

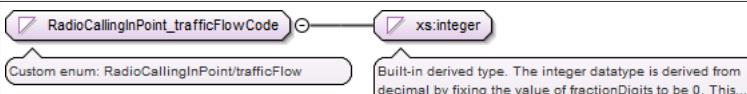
Namespace	http://www.oho.int/S127/2.0												
Annotations	Direction of vessels passing a reference point.												
Diagram	<pre> classDiagram class trafficFlowCode { <<Direction of vessels passing a reference point.>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } trafficFlowCode < -- xs_integer </pre>												
Type	restriction of xs:integer												
Facets	<table> <tr> <td>enumeration</td> <td>1</td> <td>Traffic flow in a general direction toward a port or similar destination.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>Traffic flow in a general direction away from a port or similar point of origin.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>Traffic flow in one general direction only.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>Traffic flow in two generally opposite directions.</td> </tr> </table>	enumeration	1	Traffic flow in a general direction toward a port or similar destination.	enumeration	2	Traffic flow in a general direction away from a port or similar point of origin.	enumeration	3	Traffic flow in one general direction only.	enumeration	4	Traffic flow in two generally opposite directions.
enumeration	1	Traffic flow in a general direction toward a port or similar destination.											
enumeration	2	Traffic flow in a general direction away from a port or similar point of origin.											
enumeration	3	Traffic flow in one general direction only.											
enumeration	4	Traffic flow in two generally opposite directions.											
Used by	Attribute trafficFlowType/@code												
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd												

Simple Type RadioCallingInPoint_trafficFlowLabel

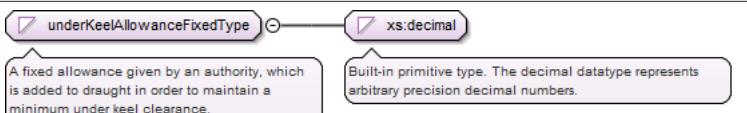
Namespace	http://www.oho.int/S127/2.0
Annotations	Custom enum: RadioCallingInPoint/trafficFlow

Diagram	
Type	restriction of xs:string
Facets	enumeration Inbound
	enumeration Outbound
	enumeration One-Way
	enumeration Two-Way
Used by	Complex Type RadioCallingInPoint_trafficFlowType
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

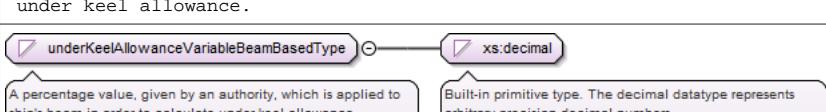
Simple Type RadioCallingInPoint_trafficFlowCode

Namespace	http://www.oho.int/S127/2.0
Annotations	Custom enum: RadioCallingInPoint/trafficFlow
Diagram	
Type	restriction of xs:integer
Facets	enumeration 1 Traffic flow in a general direction toward a port or similar destination.
	enumeration 2 Traffic flow in a general direction away from a port or similar point of origin.
	enumeration 3 Traffic flow in one general direction only.
	enumeration 4 Traffic flow in two generally opposite directions.
Used by	Attribute RadioCallingInPoint_trafficFlowType/@code
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type underKeelAllowanceFixedType

Namespace	http://www.oho.int/S127/2.0
Annotations	A fixed allowance given by an authority, which is added to draught in order to maintain a minimum under keel clearance.
Diagram	
Type	xs:decimal
Used by	Element underKeelAllowanceType/underKeelAllowanceFixed
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type underKeelAllowanceVariableBeamBasedType

Namespace	http://www.oho.int/S127/2.0
Annotations	A percentage value, given by an authority, which is applied to ship's beam in order to calculate under keel allowance.
Diagram	

Type	restriction of xs:decimal	
Facets	minExclusive	0
Used by	Element	underKeelAllowanceType/underKeelAllowanceVariableBeamBased
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type underKeelAllowanceVariableDraughtBasedType

Namespace	http://www.ihc.int/S127/2.0	
Annotations	A percentage value, given by an authority, which is applied to ship's draught in order to calculate under keel allowance.	
Diagram	<pre> classDiagram class underKeelAllowanceVariableDraughtBasedType { <<A percentage value, given by an authority, which is applied to ship's draught in order to calculate under keel...>> } class xs_decimal { <<Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.>> } underKeelAllowanceVariableDraughtBasedType < -- xs_decimal </pre>	
Type	restriction of xs:decimal	
Facets	minExclusive	0
Used by	Element	underKeelAllowanceType/underKeelAllowanceVariableDraughtBased
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type uncertaintyFixedType

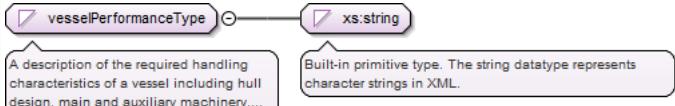
Namespace	http://www.ihc.int/S127/2.0	
Annotations	The best estimate of the fixed horizontal or vertical accuracy component for positions, depths, heights, vertical distances and vertical clearances.	
Diagram	<pre> classDiagram class uncertaintyFixedType { <<The best estimate of the fixed horizontal or vertical accuracy component for positions, depths, heights, vertical...>> } class xs_decimal { <<Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.>> } uncertaintyFixedType < -- xs_decimal </pre>	
Type	xs:decimal	
Used by	Element	horizontalPositionUncertaintyType/uncertaintyFixed
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type uncertaintyVariableFactorType

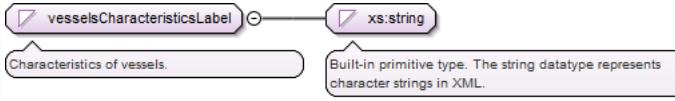
Namespace	http://www.ihc.int/S127/2.0	
Annotations	The factor to be applied to the variable component of an uncertainty equation so as to provide the best estimate of the variable horizontal or vertical accuracy component for positions, depths, heights, vertical distances and vertical clearances.	
Diagram	<pre> classDiagram class uncertaintyVariableFactorType { <<The factor to be applied to the variable component of an uncertainty equation so as to provide the best estimate of the...>> } class xs_decimal { <<Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.>> } uncertaintyVariableFactorType < -- xs_decimal </pre>	
Type	xs:decimal	
Used by	Element	horizontalPositionUncertaintyType/uncertaintyVariableFactor
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type vesselPerformanceType

Namespace	http://www.ihc.int/S127/2.0	
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	
Type	xs:string
Used by	Element ApplicabilityType/vesselPerformance
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type vesselsCharacteristicsLabel

Namespace	http://www.ihc.int/S127/2.0																																					
Annotations	Characteristics of vessels.																																					
Diagram																																						
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. 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Used by	Complex Type	vesselsCharacteristicsType
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type vesselsCharacteristicsCode

Namespace	http://www.ihc.int/S127/2.0																																					
Annotations	Characteristics of vessels.																																					
Diagram	<pre> classDiagram class vesselsCharacteristicsCode { <<Characteristics of vessels.>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } vesselsCharacteristicsCode < -- xs_integer </pre>																																					
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Used by	Attribute	vesselsCharacteristicsType/@code
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type vesselMeasurementsSpecification_vesselsCharacteristicsLabel

Namespace	http://www.ihc.int/S127/2.0																									
Annotations	Restricted values of vesselMeasurementsSpecification/vesselsCharacteristics																									
Diagram	<pre> classDiagram class vesselMeasurementsSpecification_vesselsCharacteristicsLabel { <<Restricted values of vesselMeasurementsSpecification/vesselsCharacteristics>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } vesselMeasurementsSpecification_vesselsCharacteristicsLabel "0..1" -- "1" xsString </pre>																									
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Simple Type vesselMeasurementsSpecification_vesselsCharacteristicsCode

Namespace	http://www.ihc.int/S127/2.0																
Annotations	Restricted values of vesselMeasurementsSpecification/vesselsCharacteristics																
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Used by	Attribute	vesselMeasurementsSpecification_vesselsCharacteristicsType/@code
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type vesselsCharacteristicsUnitLabel

Namespace	http://www.ihc.int/S127/2.0		
Annotations	The unit used for vessel characteristics attribute.		
Diagram			
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

		<p>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 m³) of salt water with a density of 64 lb/ft³(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	Short Ton	<p>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 / 1,016.046908 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	Gross Ton	<p>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.</p>
enumeration	Net Ton	<p>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.</p>
enumeration	Suez Canal Net Tonnage	<p>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.</p>
Used by	Complex Type	vesselsCharacteristicsUnitType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type vesselsCharacteristicsUnitCode

Namespace	http://www.ihc.int/S127/2.0
Annotations	The unit used for vessel characteristics attribute.
Diagram	<p>The diagram shows a UML class named 'vesselsCharacteristicsUnitCode' with a restriction symbol (circle with a minus sign) followed by the datatype 'xs:integer'. A callout box points to the restriction symbol with the text 'The unit used for vessel characteristics attribute.' Another callout box points to the 'xs:integer' part 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	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 m³) of salt water with a density of 64 lb/ft³(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).
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	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_vesselCharacteristicsUnitType/@code
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type vesselMeasurementsSpecification_vesselCharacteristicsUnitLabel

Namespace	http://www.ihc.int/S127/2.0															
Annotations	Restricted values of vesselMeasurementsSpecification_vesselCharacteristicsUnit															
Diagram	<pre> classDiagram class vesselMeasurementsSpecification_vesselCharacteristicsUnitLabel { <<Restricted values of vesselMeasurementsSpecification_vesselCharacteristicsUnit>> } xs:string vesselMeasurementsSpecification_vesselCharacteristicsUnitLabel "○" --> xs:string <<Built-in primitive type. The string datatype represents character strings in XML.>> </pre>															
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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
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Simple Type vesselMeasurementsSpecification_vesselCharacteristicsUnitCode

Namespace	http://www.ihc.int/S127/2.0										
Annotations	Restricted values of vesselMeasurementsSpecification_vesselCharacteristicsUnit										
Diagram	<pre> classDiagram class vesselMeasurementsSpecification_vesselCharacteristicsUnitCode { <<Restricted values of vesselMeasurementsSpecification_vesselCharacteristicsUnit>> } xs:integer vesselMeasurementsSpecification_vesselCharacteristicsUnitCode "○" --> xs:integer <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> </pre>										
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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
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type vesselsCharacteristicsValueType

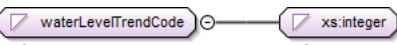
Namespace	http://www.ihc.int/S127/2.0
Annotations	The value of a particular characteristic such as a dimension or tonnage of a vessel.
Diagram	<pre> classDiagram class vesselsCharacteristicsValueType class xs_decimal vesselsCharacteristicsValueType "1" -- "1" xs_decimal </pre> <p>The diagram shows a UML class named 'vesselsCharacteristicsValueType' connected to another class named 'xs:decimal' via a bidirectional association line. Both ends of the line have multiplicity '1' indicated by small circles.</p>
Type	xs:decimal
Used by	Element vesselMeasurementsSpecificationType/vesselsCharacteristicsValue
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type waterLevelTrendLabel

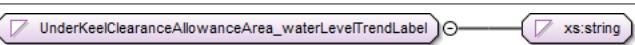
Namespace	http://www.ihc.int/S127/2.0
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Annotations	The tendency of water level to change in a particular direction.		
Diagram			
	<div style="border: 1px solid black; padding: 5px;"> The tendency of water level to change in a particular direction. </div> <div style="border: 1px solid black; padding: 5px;"> Built-in primitive type. The string datatype represents character strings in XML. </div>		
Type	restriction of xs:string		
Facets	enumeration	Decreasing	1: Becoming smaller in magnitude.
	enumeration	Increasing	2: Becoming larger in magnitude.
	enumeration	Steady	3: Constant.
Used by	Complex Type	waterLevelTrendType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type waterLevelTrendCode

Namespace	http://www.ihc.int/S127/2.0		
Annotations	The tendency of water level to change in a particular direction.		
Diagram			
	<div style="border: 1px solid black; padding: 5px;"> The tendency of water level to change in a particular direction. </div> <div style="border: 1px solid black; padding: 5px;"> Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This... </div>		
Type	restriction of xs:integer		
Facets	enumeration	1	Becoming smaller in magnitude.
	enumeration	2	Becoming larger in magnitude.
	enumeration	3	Constant.
Used by	Attribute	waterLevelTrendType/@code	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type UnderKeelClearanceAllowanceArea_waterLevelTrendLabel

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Custom enum: UnderKeelClearanceAllowanceArea/waterLevelTrend		
Diagram			
	<div style="border: 1px solid black; padding: 5px;"> Custom enum: UnderKeelClearanceAllowanceArea/waterLevelTrend </div> <div style="border: 1px solid black; padding: 5px;"> Built-in primitive type. The string datatype represents character strings in XML. </div>		
Type	restriction of xs:string		
Facets	enumeration	Decreasing	
	enumeration	Increasing	
	enumeration	Steady	
Used by	Complex Type	UnderKeelClearanceAllowanceArea_waterLevelTrendType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type UnderKeelClearanceAllowanceArea_waterLevelTrendCode

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Custom enum: UnderKeelClearanceAllowanceArea/waterLevelTrend		
Diagram			
	<div style="border: 1px solid black; padding: 5px;"> Custom enum: UnderKeelClearanceAllowanceArea/waterLevelTrend </div> <div style="border: 1px solid black; padding: 5px;"> Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This... </div>		
Type	restriction of xs:integer		

Facets	enumeration	1	Becoming smaller in magnitude.
	enumeration	2	Becoming larger in magnitude.
	enumeration	3	Constant.
Used by	Attribute	UnderKeelClearanceAllowanceArea_waterLevelTrendType/@code	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type actionOrActivityLabel_Union

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Union type for labels corresponding to extra codelist values.		
Diagram			
Type	union of(actionOrActivityLabel, extraLabelType)		
Used by	Complex Type actionOrActivityType		
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type actionOrActivityCode

Namespace	http://www.ihc.int/S127/2.0																																																		
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Diagram																																																			
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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
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type **actionOrActivityLabel**

Namespace	http://www.ihc.int/S127/2.0																																			
Annotations	The action or activity of a vessel.																																			
Diagram	<pre> classDiagram class actionOrActivityLabel { <<The action or activity of a vessel.>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } actionOrActivityLabel ⊂ xs_string </pre>																																			
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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.
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type rxNCode_actionOrActivityLabel

Namespace	http://www.ihc.int/S127/2.0																					
Annotations	Restricted values of rxNCode/actionOrActivity																					
Diagram	<pre> classDiagram rxNCode_actionOrActivityLabel < -- xs:string </pre> <p>The diagram shows a UML class named "rxNCode_actionOrActivityLabel" represented by a rounded rectangle with a purple border. It has a generalization relationship indicated by a hollow circle symbol pointing to another rounded rectangle labeled "xs:string", also with a purple border. Below the classes, two callouts provide additional information: one for "Restricted values of rxNCode/actionOrActivity" and another for "Built-in primitive type. The string datatype represents character strings in XML.".</p>																					
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	enumeration	Hull Cleaning
	enumeration	Scientific Research
	enumeration	Tourism
	enumeration	Education
	enumeration	Infrastructure Maintenance
Used by	Complex Type	rxNCode_actionOrActivityType
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type rxNCode_actionOrActivityCode

Namespace	http://www.ihc.int/S127/2.0																																																							
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Diagram	<p>rxNCode_actionOrActivityCode</p> <p>xs:integer</p> <p>Restricted values of rxNCode/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>																																																							
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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
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type categoryOfRxNLabel_Union

Namespace	http://www.ihc.int/S127/2.0
Annotations	Union type for labels corresponding to extra codelist values.
Diagram	<pre> graph LR A[categoryOfRxNLabel_Union] --> B[categoryOfRxNLabel] A --> C[extraLabelType] B --- D["The principal subject matter of regulations, restrictions, recommendations or nautical information."] C --- E["Label type for labels of extra values in open enumeration codelists. Accepts any non-empty string beginning with an..."] </pre>
Type	union of(categoryOfRxNLabel, extraLabelType)
Used by	Complex Type categoryOfRxNType
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Simple Type categoryOfRxNCode

Namespace	http://www.ihc.int/S127/2.0									
Annotations	The principal subject matter of regulations, restrictions, recommendations or nautical information.									
Diagram	<pre> graph LR A[categoryOfRxNCode] --> B[xs:integer] A --- C["The principal subject matter of regulations, restrictions, recommendations or nautical information."] B --- D["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>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> </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	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
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type categoryOfRxNLabel

Namespace	http://www.ihc.int/S127/2.0																																									
Annotations	The principal subject matter of regulations, restrictions, recommendations or nautical information.																																									
Diagram	<p>The principal subject matter of regulations, restrictions, recommendations or nautical information.</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>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.
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Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd
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Simple Type rxNCode_categoryOfRxNLabel

Namespace	http://www.ihc.int/S127/2.0																											
Annotations	Restricted values of rxNCode/categoryOfRxN																											
Diagram	<pre> classDiagram class rxNCode_categoryOfRxNLabel { <<Restricted values of rxNCode/categoryOfRxN>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } rxNCode_categoryOfRxNLabel < -- xsString </pre>																											
Type	restriction of xs:string																											
Facets	<table> <tr><td>enumeration</td><td>Navigation</td></tr> <tr><td>enumeration</td><td>Communication</td></tr> <tr><td>enumeration</td><td>Environmental Protection</td></tr> <tr><td>enumeration</td><td>Wildlife Protection</td></tr> <tr><td>enumeration</td><td>Security</td></tr> <tr><td>enumeration</td><td>Customs</td></tr> <tr><td>enumeration</td><td>Cargo Operation</td></tr> <tr><td>enumeration</td><td>Refuge</td></tr> <tr><td>enumeration</td><td>Health</td></tr> <tr><td>enumeration</td><td>Natural Resources or Exploitation</td></tr> <tr><td>enumeration</td><td>Port</td></tr> <tr><td>enumeration</td><td>Finance</td></tr> <tr><td>enumeration</td><td>Agriculture</td></tr> </table>		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
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enumeration	Port																											
enumeration	Finance																											
enumeration	Agriculture																											
Used by	Complex Type	rxNCode_categoryOfRxNType																										
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																											

Simple Type rxNCode_categoryOfRxNCode

Namespace	http://www.ihc.int/S127/2.0																																		
Annotations	Restricted values of rxNCode/categoryOfRxN																																		
Diagram	<pre> classDiagram class rxNCode_categoryOfRxNCode { <<Restricted values of rxNCode/categoryOfRxN>> } class xsInteger { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } rxNCode_categoryOfRxNCode < -- xsInteger </pre>																																		
Type	restriction of xs:integer																																		
Facets	<table> <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</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
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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
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type categoryOfVesselLabel_Union

Namespace	http://www.ihc.int/S127/2.0	
Annotations	Union type for labels corresponding to extra codelist values.	
Diagram	<pre> graph LR A[categoryOfVesselLabel_Union] --> B[categoryOfVesselLabel] A --> C[extraLabelType] B --- D[Classification of vessels by function or use] C --- E[Label type for labels of extra values in open enumeration codelists. Accepts any non-empty string beginning with an...] </pre>	
Type	union of(categoryOfVesselLabel, extraLabelType)	
Used by	Complex Types	Applicability_categoryOfVesselType, PilotBoardingPlace_categoryOfVesselType, RadioCallingIn-Point_categoryOfVesselType, categoryOfVesselType
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type categoryOfVesselCode

Namespace	http://www.ihc.int/S127/2.0	
Annotations	Classification of vessels by function or use.	
Diagram	<pre> graph LR A[categoryOfVesselCode] --> B[xs:integer] A --- C[Classification of vessels by function or use] B --- D[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	enumeration	1
	enumeration	2
	enumeration	3
	enumeration	4
	enumeration	5
	enumeration	6
	enumeration	7
	enumeration	8
	enumeration	9
	enumeration	10
	enumeration	11
	enumeration	12

	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	
Schema location		file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type categoryOfVesselLabel

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Classification of vessels by function or use.		
Diagram	<p>categoryOfVesselLabel</p> <p>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.

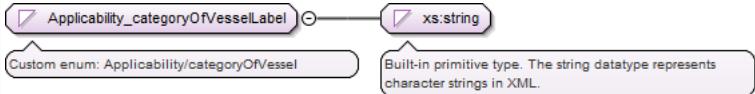
	enumeration	Livestock Carrier	16: A vessel designed to carry large quantities of live animals.
	enumeration	Sport Fishing	17: A vessel used in fishing for pleasure or competition.
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type Applicability_categoryOfVesselCode

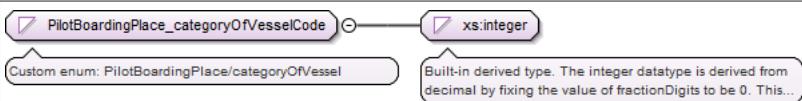
Namespace	http://www.ihc.int/S127/2.0		
Annotations	Custom enum: Applicability/categoryOfVessel		
Diagram	<pre> classDiagram class Applicability_categoryOfVesselCode { <<Custom enum: Applicability/categoryOfVessel>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } Applicability_categoryOfVesselCode < -- xs_integer </pre>		
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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type Applicability_categoryOfVesselLabel

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Custom enum: Applicability/categoryOfVessel		

Diagram																																			
Type	restriction of xs:string																																		
Facets	<table> <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
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enumeration	Sport Fishing																																		
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																																		

Simple Type PilotBoardingPlace_categoryOfVesselCode

Namespace	http://www.ihc.int/S127/2.0																																			
Annotations	Custom enum: PilotBoardingPlace/categoryOfVessel																																			
Diagram																																				
Type	restriction of xs:integer																																			
Facets	<table> <tr><td>enumeration</td><td>1</td><td>A vessel which is designed for carrying general cargo, e.g. boxes, sacks.</td></tr> <tr><td>enumeration</td><td>2</td><td>A vessel designed to carry ISO containers.</td></tr> <tr><td>enumeration</td><td>3</td><td>A vessel which is designed for carrying liquid goods, for example oil or water.</td></tr> <tr><td>enumeration</td><td>4</td><td>A vessel which is designed for carrying bulk goods, e.g. coal, ore or grain.</td></tr> <tr><td>enumeration</td><td>5</td><td>A day trip or cabin vessel constructed and equipped to carry more than 12 passengers.</td></tr> <tr><td>enumeration</td><td>6</td><td>A vessel designed to allow road vehicles to be driven on and off; often a ferry.</td></tr> <tr><td>enumeration</td><td>7</td><td>A vessel designed to carry refrigerated cargo.</td></tr> <tr><td>enumeration</td><td>8</td><td>A vessel that is used and equipped for the fishing of living aquatic resources.</td></tr> <tr><td>enumeration</td><td>9</td><td>A vessel which provides a service such as a tug, anchor handler, survey or supply vessel.</td></tr> <tr><td>enumeration</td><td>10</td><td>A vessel designed for the conduct of military operations.</td></tr> <tr><td>enumeration</td><td>11</td><td>Either a tug and tow, or any combination of a tug providing propulsion to barges or vessels secured ahead or alongside.</td></tr> </table>			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.
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	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	PilotBoardingPlace_categoryOfVesselType/@code	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Simple Type PilotBoardingPlace_categoryOfVesselLabel

Namespace	http://www.oho.int/S127/2.0	
Annotations	Custom enum: PilotBoardingPlace/categoryOfVessel	
Diagram	<pre> classDiagram class PilotBoardingPlace_categoryOfVesselLabel { <<Custom enum: PilotBoardingPlace/categoryOfVessel>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } PilotBoardingPlace_categoryOfVesselLabel < -- xsString </pre>	
Type	restriction of xs:string	
Facets	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
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type RadioCallingInPoint_categoryOfVesselCode

Namespace	http://www.oho.int/S127/2.0
Annotations	Custom enum: RadioCallingInPoint/categoryOfVessel

Diagram	<p>Custom enum: RadioCallingInPoint/categoryOfVessel</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
	enumeration	7
	enumeration	8
	enumeration	9
	enumeration	10
	enumeration	11
	enumeration	12
	enumeration	13
	enumeration	14
	enumeration	15
	enumeration	16
	enumeration	17
Used by	Attribute	RadioCallingInPoint_categoryOfVesselType/@code
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Simple Type RadioCallingInPoint_categoryOfVesselLabel

Namespace	http://www.ihointerfaces.com/S127/2.0	
Annotations	Custom enum: RadioCallingInPoint/categoryOfVessel	
Diagram	<p>Custom enum: RadioCallingInPoint/categoryOfVessel</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
		Container Carrier
		Tanker
		Bulk Carrier
		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
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Complex Type(s)

Complex Type cardinalDirectionType

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Principal and intermediate compass points.		
Diagram	<pre> classDiagram cardinalDirectionType < -- cardinalDirectionLabel cardinalDirectionType < -- Attributes cardinalDirectionType --> cardinalDirectionLabel : Principal and intermediate compass points. cardinalDirectionType --> Attributes cardinalDirectionType --> code : Principal and intermediate compass points. code < -- cardinalDirectionCode </pre>		
Type	extension of cardinalDirectionLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • cardinalDirectionLabel • cardinalDirectionType 		
Attributes	QName	Type	Use
	code	cardinalDirectionCode	required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type bearingInformation_cardinalDirectionType

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Restricted values of cardinalDirection in bearingInformation		
Diagram	<pre> classDiagram bearingInformation_cardinalDirectionType < -- bearingInformation_cardinalDirection ... bearingInformation_cardinalDirectionType < -- Attributes bearingInformation_cardinalDirectionType --> bearingInformation_cardinalDirectionLabel : Restricted values of cardinalDirection in bearingInformation bearingInformation_cardinalDirectionType --> Attributes bearingInformation_cardinalDirectionType --> code : Restricted values of cardinalDirection in bearingInformation code < -- bearingInformation_cardinalDirectionCode </pre>		
Type	extension of bearingInformation_cardinalDirectionLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string 		

	<ul style="list-style-type: none"> • bearingInformation_cardinalDirectionLabel • bearingInformation_cardinalDirectionType 						
Used by	Element bearingInformationType/cardinalDirection						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>bearingInformation_cardinalDirectionCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	bearingInformation_cardinalDirectionCode	required
QName	Type	Use					
code	bearingInformation_cardinalDirectionCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type categoryOfAuthorityType

Namespace	http://www.ihc.int/S127/2.0						
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 class categoryOfAuthorityType { <<Base Type>> categoryOfAuthorityLabel } class categoryOfAuthorityLabel { <<The type of person, government agency or organisation granted powers of managing or controlling access to and/or...>> <<@ Attributes>> code } categoryOfAuthorityType < -- categoryOfAuthorityLabel </pre>						
Type	extension of categoryOfAuthorityLabel						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • categoryOfAuthorityLabel • categoryOfAuthorityType 						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>categoryOfAuthorityCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	categoryOfAuthorityCode	required
QName	Type	Use					
code	categoryOfAuthorityCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type AbstractRxN_categoryOfAuthorityType

Namespace	http://www.ihc.int/S127/2.0						
Annotations	Restricted values of categoryOfAuthority in AbstractRxN						
Diagram	<pre> classDiagram class AbstractRxN_categoryOfAuthorityType { <<Base Type>> AbstractRxN_categoryOfAuthorityLabel } class AbstractRxN_categoryOfAuthorityLabel { <<Custom enum: AbstractRxN/categoryOfAuthority>> <<@ Attributes>> code } AbstractRxN_categoryOfAuthorityType < -- AbstractRxN_categoryOfAuthorityLabel </pre>						
Type	extension of AbstractRxN_categoryOfAuthorityLabel						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • AbstractRxN_categoryOfAuthorityLabel • AbstractRxN_categoryOfAuthorityType 						
Used by	Element AbstractRxNType/categoryOfAuthority						
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					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type Authority_categoryOfAuthorityType

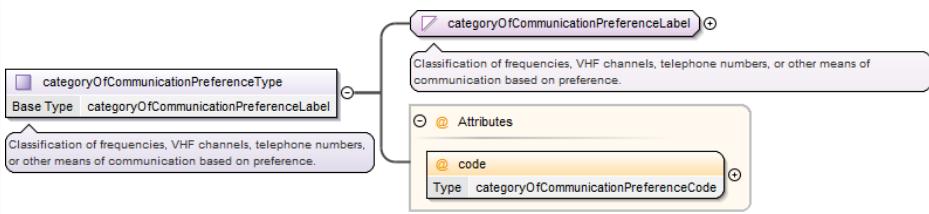
Namespace	http://www.ihc.int/S127/2.0						
Annotations	Restricted values of categoryOfAuthority in Authority						
Diagram	<pre> classDiagram class Authority_categoryOfAuthorityType { <<Base Type: Authority_categoryOfAuthorityLabel>> <<Restricted values of categoryOfAuthority in Authority>> } class Authority_categoryOfAuthorityLabel { <<Custom enum: Authority/categoryOfAuthority>> } class Authority_categoryOfAuthorityCode { <<Type: Authority_categoryOfAuthorityCode>> } Authority_categoryOfAuthorityType "1" -- "0..1" Authority_categoryOfAuthorityLabel Authority_categoryOfAuthorityLabel "1" -- "0..1" Authority_categoryOfAuthorityCode <<@ Attributes: @code (Type: Authority_categoryOfAuthorityCode)>> </pre>						
Type	extension of Authority_categoryOfAuthorityLabel						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • Authority_categoryOfAuthorityLabel • Authority_categoryOfAuthorityType 						
Used by	Element AuthorityType/categoryOfAuthority						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>Authority_categoryOfAuthorityCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	Authority_categoryOfAuthorityCode	required
QName	Type	Use					
code	Authority_categoryOfAuthorityCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type sourceIndication_categoryOfAuthorityType

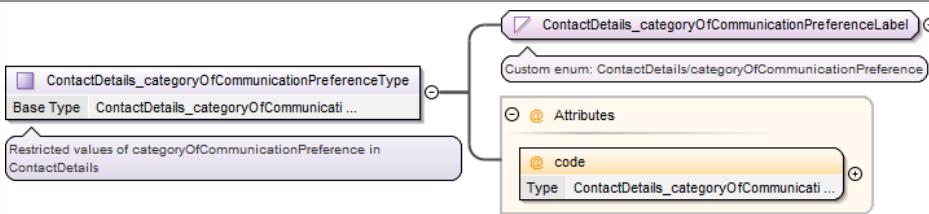
Namespace	http://www.ihc.int/S127/2.0						
Annotations	Restricted values of categoryOfAuthority in sourceIndication						
Diagram	<pre> classDiagram class sourceIndication_categoryOfAuthorityType { <<Base Type: sourceIndication_categoryOfAuthority ...>> <<Restricted values of categoryOfAuthority in sourceIndication>> } class sourceIndication_categoryOfAuthorityLabel { <<sourceIndication_categoryOfAuthorityLabel>> } class sourceIndication_categoryOfAuthorityCode { <<Type: sourceIndication_categoryOfAuthorityCode>> } sourceIndication_categoryOfAuthorityType "1" -- "0..1" sourceIndication_categoryOfAuthorityLabel sourceIndication_categoryOfAuthorityLabel "1" -- "0..1" sourceIndication_categoryOfAuthorityCode <<@ Attributes: @code (Type: sourceIndication_categoryOfAuthorityCode)>> </pre>						
Type	extension of sourceIndication_categoryOfAuthorityLabel						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • sourceIndication_categoryOfAuthorityLabel • sourceIndication_categoryOfAuthorityType 						
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					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type categoryOfCommunicationPreferenceType

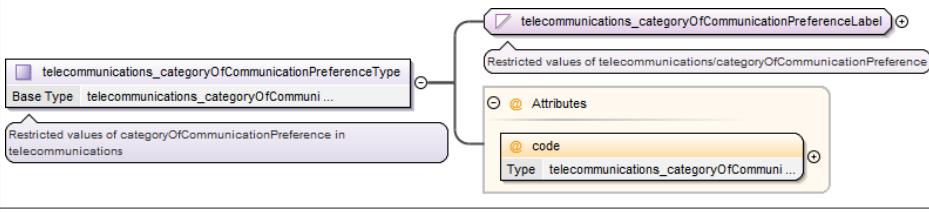
Namespace	http://www.ihc.int/S127/2.0
Annotations	Classification of frequencies, VHF channels, telephone numbers, or other means of communication based on preference.

Diagram							
Type	extension of categoryOfCommunicationPreferenceLabel						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> categoryOfCommunicationPreferenceLabel categoryOfCommunicationPreferenceType 						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>code</td><td>categoryOfCommunicationPreferenceCode</td><td>required</td></tr> </tbody> </table>	QName	Type	Use	code	categoryOfCommunicationPreferenceCode	required
QName	Type	Use					
code	categoryOfCommunicationPreferenceCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type ContactDetails_categoryOfCommunicationPreferenceType

Namespace	http://www.ihc.int/S127/2.0						
Annotations	Restricted values of categoryOfCommunicationPreference in ContactDetails						
Diagram							
Type	extension of ContactDetails_categoryOfCommunicationPreferenceLabel						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> ContactDetails_categoryOfCommunicationPreferenceLabel ContactDetails_categoryOfCommunicationPreferenceType 						
Used by	Element ContactDetailsType/categoryOfCommunicationPreference						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>code</td><td>ContactDetails_categoryOfCommunicationPreferenceCode</td><td>required</td></tr> </tbody> </table>	QName	Type	Use	code	ContactDetails_categoryOfCommunicationPreferenceCode	required
QName	Type	Use					
code	ContactDetails_categoryOfCommunicationPreferenceCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type telecommunications_categoryOfCommunicationPreferenceType

Namespace	http://www.ihc.int/S127/2.0
Annotations	Restricted values of categoryOfCommunicationPreference in telecommunications
Diagram	
Type	extension of telecommunications_categoryOfCommunicationPreferenceLabel
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> telecommunications_categoryOfCommunicationPreferenceLabel telecommunications_categoryOfCommunicationPreferenceType

	<ul style="list-style-type: none"> telecommunications_categoryOfCommunicationPreferenceType 						
Used by	Element telecommunicationsType/categoryOfCommunicationPreference						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>telecommunications_categoryOfCommunicationPreferenceCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	telecommunications_categoryOfCommunicationPreferenceCode	required
QName	Type	Use					
code	telecommunications_categoryOfCommunicationPreferenceCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type categoryOfCargoType

Namespace	http://www.ihc.int/S127/2.0						
Annotations	Classification of the different types of cargo that a ship may be carrying.						
Diagram	<pre> classDiagram class categoryOfCargoType { <<Base Type: categoryOfCargoLabel>> <<Classification of the different types of cargo that a ship may be carrying.>> <<@ code : categoryOfCargoCode>> } categoryOfCargoType < -- categoryOfCargoLabel categoryOfCargoLabel <<Classification of the different types of cargo that a ship may be carrying.>> categoryOfCargoLabel <<@ code : categoryOfCargoCode>> </pre>						
Type	extension of categoryOfCargoLabel						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> categoryOfCargoLabel categoryOfCargoType 						
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					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type Applicability_categoryOfCargoType

Namespace	http://www.ihc.int/S127/2.0						
Annotations	Restricted values of categoryOfCargo in Applicability						
Diagram	<pre> classDiagram class Applicability_categoryOfCargoType { <<Base Type: Applicability_categoryOfCargoLabel>> <<Restricted values of categoryOfCargo in Applicability>> <<@ code : Applicability_categoryOfCargoCode>> } Applicability_categoryOfCargoType < -- Applicability_categoryOfCargoLabel Applicability_categoryOfCargoLabel <<Custom enum: Applicability/categoryOfCargo>> Applicability_categoryOfCargoLabel <<@ code : Applicability_categoryOfCargoCode>> </pre>						
Type	extension of Applicability_categoryOfCargoLabel						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> Applicability_categoryOfCargoLabel Applicability_categoryOfCargoType 						
Used by	Element ApplicabilityType/categoryOfCargo						
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					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type RadioCallingInPoint_categoryOfCargoType

Namespace	http://www.ihc.int/S127/2.0
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Annotations	Restricted values of categoryOfCargo in RadioCallingInPoint						
Diagram	<pre> classDiagram class RadioCallingInPoint_categoryOfCargoType { <<Base Type>> } class RadioCallingInPoint_categoryOfCargoLabel { <<Custom enum: RadioCallingInPoint/categoryOfCargo>> @ code } RadioCallingInPoint_categoryOfCargoType "0..1" -- "1" RadioCallingInPoint_categoryOfCargoLabel RadioCallingInPoint_categoryOfCargoLabel "0..1" -- "1" RadioCallingInPoint_categoryOfCargoLabel </pre>						
Type	extension of RadioCallingInPoint_categoryOfCargoLabel						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • RadioCallingInPoint_categoryOfCargoLabel • RadioCallingInPoint_categoryOfCargoType 						
Used by	Element RadioCallingInPointType/categoryOfCargo						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>RadioCallingInPoint_categoryOfCargoCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	RadioCallingInPoint_categoryOfCargoCode	required
QName	Type	Use					
code	RadioCallingInPoint_categoryOfCargoCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type categoryOfConcentrationOfShippingHazardAreaType

Namespace	http://www.ihc.int/S127/2.0						
Annotations	Classification of shipping hazards due to traffic volume or density.						
Diagram	<pre> classDiagram class categoryOfConcentrationOfShippingHazardAreaType { <<Base Type>> } class categoryOfConcentrationOfShippingHazardAreaLabel { <<Classification of shipping hazards due to traffic volume or density.>> @ code } categoryOfConcentrationOfShippingHazardAreaType "0..1" -- "1" categoryOfConcentrationOfShippingHazardAreaLabel categoryOfConcentrationOfShippingHazardAreaLabel "0..1" -- "1" categoryOfConcentrationOfShippingHazardAreaLabel </pre>						
Type	extension of categoryOfConcentrationOfShippingHazardAreaLabel						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • categoryOfConcentrationOfShippingHazardAreaLabel • categoryOfConcentrationOfShippingHazardAreaType 						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>categoryOfConcentrationOfShippingHazardAreaCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	categoryOfConcentrationOfShippingHazardAreaCode	required
QName	Type	Use					
code	categoryOfConcentrationOfShippingHazardAreaCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type ConcentrationOfShippingHazardArea_categoryOfConcentrationOfShippingHazardAreaType

Namespace	http://www.ihc.int/S127/2.0
Annotations	Restricted values of categoryOfConcentrationOfShippingHazardArea in ConcentrationOfShippingHazardArea
Diagram	<pre> classDiagram class ConcentrationOfShippingHazardArea_categoryOfConcentrationOfShippingHazardAreaType { <<Base Type>> } class ConcentrationOfShippingHazardArea_categoryOfConcentrationOfShippingHazardAreaLabel { <<Custom enum: ConcentrationOfShippingHazardArea/categoryOfConcentrationOfShippingHazardArea>> @ code } ConcentrationOfShippingHazardArea_categoryOfConcentrationOfShippingHazardAreaType "0..1" -- "1" ConcentrationOfShippingHazardArea_categoryOfConcentrationOfShippingHazardAreaLabel ConcentrationOfShippingHazardArea_categoryOfConcentrationOfShippingHazardAreaLabel "0..1" -- "1" ConcentrationOfShippingHazardArea_categoryOfConcentrationOfShippingHazardAreaLabel </pre>
Type	extension of ConcentrationOfShippingHazardArea_categoryOfConcentrationOfShippingHazardAreaLabel
Type hierarchy	<ul style="list-style-type: none"> • xs:string

	<ul style="list-style-type: none"> ConcentrationOfShippingHazardArea_categoryOfConcentrationOfShippingHazardAreaLabel ConcentrationOfShippingHazardArea_categoryOfConcentrationOfShippingHazardAreaType 						
Used by	Element ConcentrationOfShippingHazardAreaType/categoryOfConcentrationOfShippingHazardArea						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>ConcentrationOfShippingHazardArea_categoryOfConcentrationOfShippingHazardAreaCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	ConcentrationOfShippingHazardArea_categoryOfConcentrationOfShippingHazardAreaCode	required
QName	Type	Use					
code	ConcentrationOfShippingHazardArea_categoryOfConcentrationOfShippingHazardAreaCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type categoryOfDangerousOrHazardousCargoType

Namespace	http://www.ihc.int/S127/2.0						
Annotations	Classification of dangerous goods or hazardous materials based on the International Maritime Dangerous Goods Code (IMDG Code).						
Diagram	<pre> classDiagram categoryOfDangerousOrHazardousCargoType < -- categoryOfDangerousOrHazardousCargoLabel categoryOfDangerousOrHazardousCargoLabel < -- categoryOfDangerousOrHazardousCargo categoryOfDangerousOrHazardousCargo { <<Classification of dangerous goods or hazardous materials based on the International Maritime Dangerous Goods Code (IMDG...)>> <<Attributes>> code : categoryOfDangerousOrHazardousCargoCode } </pre>						
Type	extension of categoryOfDangerousOrHazardousCargoLabel						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> categoryOfDangerousOrHazardousCargoLabel categoryOfDangerousOrHazardousCargoType 						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>categoryOfDangerousOrHazardousCargoCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	categoryOfDangerousOrHazardousCargoCode	required
QName	Type	Use					
code	categoryOfDangerousOrHazardousCargoCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type Applicability_categoryOfDangerousOrHazardousCargoType

Namespace	http://www.ihc.int/S127/2.0						
Annotations	Restricted values of categoryOfDangerousOrHazardousCargo in Applicability						
Diagram	<pre> classDiagram Applicability_categoryOfDangerousOrHazardousCargoType < -- Applicability_categoryOfDangerousOrHazardousCargoLabel Applicability_categoryOfDangerousOrHazardousCargoLabel < -- Applicability_categoryOfDangerousOrHazardousCargo Applicability_categoryOfDangerousOrHazardousCargoLabel { <<Custom enum: Applicability/categoryOfDangerousOrHazardousCargo>> <<Attributes>> code : Applicability_categoryOfDangerousOrHazardousCargoCode } </pre>						
Type	extension of Applicability_categoryOfDangerousOrHazardousCargoLabel						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> Applicability_categoryOfDangerousOrHazardousCargoLabel Applicability_categoryOfDangerousOrHazardousCargoType 						
Used by	Element ApplicabilityType/categoryOfDangerousOrHazardousCargo						
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					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type categoryOfMilitaryPracticeAreaType

Namespace	http://www.ihc.int/S127/2.0								
Annotations	Classification of area by military use.								
Diagram	<pre> classDiagram class categoryOfMilitaryPracticeAreaType { <<Classification of area by military use.>> @ code } categoryOfMilitaryPracticeAreaType < -- categoryOfMilitaryPracticeAreaLabel categoryOfMilitaryPracticeAreaLabel --> "2" @ code note over categoryOfMilitaryPracticeAreaType: Classification of area by military use. note over @ code: Classification of area by military use. </pre>								
Type	extension of categoryOfMilitaryPracticeAreaLabel								
Type hierarchy	<ul style="list-style-type: none"> xs:string categoryOfMilitaryPracticeAreaLabel categoryOfMilitaryPracticeAreaType 								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>categoryOfMilitaryPracticeAreaCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	categoryOfMilitaryPracticeAreaCode	required		
QName	Type	Use							
code	categoryOfMilitaryPracticeAreaCode	required							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Complex Type MilitaryPracticeArea_categoryOfMilitaryPracticeAreaType

Namespace	http://www.ihc.int/S127/2.0								
Annotations	Restricted values of categoryOfMilitaryPracticeArea in MilitaryPracticeArea								
Diagram	<pre> classDiagram class MilitaryPracticeArea_categoryOfMilitaryPracticeAreaType { <<Restricted values of categoryOfMilitaryPracticeArea in MilitaryPracticeArea>> @ code } MilitaryPracticeArea_categoryOfMilitaryPracticeAreaType < -- MilitaryPracticeArea_categoryOfMilitaryPracticeAreaLabel MilitaryPracticeArea_categoryOfMilitaryPracticeAreaLabel --> "2" @ code note over MilitaryPracticeArea_categoryOfMilitaryPracticeAreaType: Custom enum: MilitaryPracticeArea/categoryOfMilitaryPracticeArea note over @ code: Restricted values of categoryOfMilitaryPracticeArea in MilitaryPracticeArea </pre>								
Type	extension of MilitaryPracticeArea_categoryOfMilitaryPracticeAreaLabel								
Type hierarchy	<ul style="list-style-type: none"> xs:string MilitaryPracticeArea_categoryOfMilitaryPracticeAreaLabel MilitaryPracticeArea_categoryOfMilitaryPracticeAreaType 								
Used by	Element MilitaryPracticeAreaType/categoryOfMilitaryPracticeArea								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>MilitaryPracticeArea_categoryOfMilitaryPracticeAreaCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	MilitaryPracticeArea_categoryOfMilitaryPracticeAreaCode	required		
QName	Type	Use							
code	MilitaryPracticeArea_categoryOfMilitaryPracticeAreaCode	required							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Complex Type categoryOfNavigationLineType

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Classification of route guidance given to vessels.		
Diagram	<pre> classDiagram class categoryOfNavigationLineType { <<Classification of route guidance given to vessels.>> @ code } categoryOfNavigationLineType < -- categoryOfNavigationLineLabel categoryOfNavigationLineLabel --> "2" @ code note over categoryOfNavigationLineType: Classification of route guidance given to vessels. note over @ code: Classification of route guidance given to vessels. </pre>		

Type	extension of categoryOfNavigationLineLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> categoryOfNavigationLineLabel categoryOfNavigationLineType 		
Attributes	QName	Type	Use
	code	categoryOfNavigationLineCode	required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type RouteingMeasure_categoryOfNavigationLineType

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Restricted values of categoryOfNavigationLine in RouteingMeasure		
Diagram	<pre> classDiagram class RouteingMeasure_categoryOfNavigationLineType { <<Base Type: RouteingMeasure_categoryOfNavigationLineType>> <<Restricted values of categoryOfNavigationLine in RouteingMeasure>> } class RouteingMeasure_categoryOfNavigationLineLabel { <<Custom enum: RouteingMeasure/categoryOfNavigationLine>> <<@ Attributes>> <<@ code: Type: RouteingMeasure_categoryOfNavigationLineCode>> } RouteingMeasure_categoryOfNavigationLineType < -- RouteingMeasure_categoryOfNavigationLineLabel </pre>		
Type	extension of RouteingMeasure_categoryOfNavigationLineLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> RouteingMeasure_categoryOfNavigationLineLabel RouteingMeasure_categoryOfNavigationLineType 		
Used by	Element	RouteingMeasureType/categoryOfNavigationLine	
Attributes	QName	Type	Use
	code	RouteingMeasure_categoryOfNavigationLineCode	required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type categoryOfPilotType

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Classification of pilots and pilot services by type of waterway where piloting services are provided.		
Diagram	<pre> classDiagram class categoryOfPilotType { <<Base Type: categoryOfPilotLabel>> <<Classification of pilots and pilot services by type of waterway where piloting services are provided.>> } class categoryOfPilotLabel { <<Classification of pilots and pilot services by type of waterway where piloting services are provided.>> <<@ Attributes>> <<@ code: Type: categoryOfPilotCode>> } categoryOfPilotType < -- categoryOfPilotLabel </pre>		
Type	extension of categoryOfPilotLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> categoryOfPilotLabel categoryOfPilotType 		
Attributes	QName	Type	Use
	code	categoryOfPilotCode	required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type PilotService_categoryOfPilotType

Namespace	http://www.oho.int/S127/2.0								
Annotations	Restricted values of categoryOfPilot in PilotService								
Diagram	<pre> classDiagram class PilotService_categoryOfPilotType { <<PilotService_categoryOfPilotLabel>> <<Custom enum: PilotService/categoryOfPilot>> <<@ Attributes>> <<@ code Type PilotService_categoryOfPilotCode>> } </pre>								
Type	extension of PilotService_categoryOfPilotLabel								
Type hierarchy	<ul style="list-style-type: none"> xs:string PilotService_categoryOfPilotLabel PilotService_categoryOfPilotType 								
Used by	Element PilotServiceType/categoryOfPilot								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>PilotService_categoryOfPilot-Code</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	PilotService_categoryOfPilot-Code	required		
QName	Type	Use							
code	PilotService_categoryOfPilot-Code	required							
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Complex Type categoryOfPilotBoardingPlaceType

Namespace	http://www.oho.int/S127/2.0								
Annotations	Classification of pilot boarding method.								
Diagram	<pre> classDiagram class categoryOfPilotBoardingPlaceType { <<categoryOfPilotBoardingPlaceLabel>> <<Classification of pilot boarding method.>> <<@ Attributes>> <<@ code Type categoryOfPilotBoardingPlaceCode>> } </pre>								
Type	extension of categoryOfPilotBoardingPlaceLabel								
Type hierarchy	<ul style="list-style-type: none"> xs:string categoryOfPilotBoardingPlaceLabel categoryOfPilotBoardingPlaceType 								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>categoryOfPilotBoardingPlace-Code</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	categoryOfPilotBoardingPlace-Code	required		
QName	Type	Use							
code	categoryOfPilotBoardingPlace-Code	required							
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Complex Type PilotBoardingPlace_categoryOfPilotBoardingPlaceType

Namespace	http://www.oho.int/S127/2.0		
Annotations	Restricted values of categoryOfPilotBoardingPlace in PilotBoardingPlace		
Diagram	<pre> classDiagram class PilotBoardingPlace_categoryOfPilotBoardingPlaceType { <<PilotBoardingPlace_categoryOfPilotBoardingPlaceLabel>> <<Custom enum: PilotBoardingPlace/categoryOfPilotBoardingPlace>> <<@ Attributes>> <<@ code Type PilotBoardingPlace_categoryOfPilotBo ...>> } </pre>		

Type	extension of PilotBoardingPlace_categoryOfPilotBoardingPlaceLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • PilotBoardingPlace_categoryOfPilotBoardingPlaceLabel • PilotBoardingPlace_categoryOfPilotBoardingPlaceType 		
Used by	Element PilotBoardingPlaceType/categoryOfPilotBoardingPlace		
Attributes	QName	Type	Use
	code	PilotBoardingPlace_category-OfPilotBoardingPlaceCode	required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type categoryOfPreferenceType

Namespace	http://www.ihc.int/S127/2.0		
Annotations	The selection of a first choice compared to other options.		
Diagram	<pre> graph LR A[categoryOfPreferenceType] --> B[categoryOfPreferenceLabel] A --- C["The selection of a first choice compared to other options."] A --- D["@ Attributes"] D --- E[code] </pre>		
Type	extension of categoryOfPreferenceLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • categoryOfPreferenceLabel • categoryOfPreferenceType 		
Attributes	QName	Type	Use
	code	categoryOfPreferenceCode	required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type PilotBoardingPlace_categoryOfPreferenceType

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Restricted values of categoryOfPreference in PilotBoardingPlace		
Diagram	<pre> graph LR A[PilotBoardingPlace_categoryOfPreferenceType] --> B[PilotBoardingPlace_categoryOfPreferenceLabel] A --- C["Restricted values of categoryOfPreference in PilotBoardingPlace"] A --- D["Custom enum: PilotBoardingPlace/categoryOfPreference"] A --- E["@ Attributes"] E --- F[code] </pre>		
Type	extension of PilotBoardingPlace_categoryOfPreferenceLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • PilotBoardingPlace_categoryOfPreferenceLabel • PilotBoardingPlace_categoryOfPreferenceType 		
Used by	Element PilotBoardingPlaceType/categoryOfPreference		
Attributes	QName	Type	Use
	code	PilotBoardingPlace_category-OfPreferenceCode	required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type categoryOfRelationshipType

Namespace	http://www.ihc.int/S127/2.0						
Annotations	Expresses constraints or requirements on vessel actions or activities in relation to a geographic feature, facility, or service.						
Diagram	<pre> classDiagram class categoryOfRelationshipType { <<Base Type: categoryOfRelationshipLabel>> } categoryOfRelationshipType < -- categoryOfRelationshipLabel categoryOfRelationshipLabel < -- categoryOfRelationshipType categoryOfRelationshipType { <<Expresses constraints or requirements on vessel actions or activities in relation to a geographic feature, facility, or...>> } categoryOfRelationshipLabel { <<Expresses constraints or requirements on vessel actions or activities in relation to a geographic feature, facility, or...>> } categoryOfRelationshipType { <<@ Attributes:>> attribute code } categoryOfRelationshipLabel { <<@ Attributes:>> attribute code } </pre>						
Type	extension of categoryOfRelationshipLabel						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • categoryOfRelationshipLabel • categoryOfRelationshipType 						
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					
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type categoryOfRestrictedAreaType

Namespace	http://www.ihc.int/S127/2.0						
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 categoryOfRestrictedAreaType { <<Base Type: categoryOfRestrictedAreaLabel>> } categoryOfRestrictedAreaType < -- categoryOfRestrictedAreaLabel categoryOfRestrictedAreaType { <<The official legal status of each kind of restricted area defines the kind of restriction(s), for example the...>> } categoryOfRestrictedAreaLabel { <<The official legal status of each kind of restricted area defines the kind of restriction(s), for example the...>> } categoryOfRestrictedAreaType { <<@ Attributes:>> attribute code } categoryOfRestrictedAreaLabel { <<@ Attributes:>> attribute code } </pre>						
Type	extension of categoryOfRestrictedAreaLabel						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • categoryOfRestrictedAreaLabel • categoryOfRestrictedAreaType 						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>categoryOfRestrictedAreaCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	categoryOfRestrictedAreaCode	required
QName	Type	Use					
code	categoryOfRestrictedAreaCode	required					
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type RestrictedArea_categoryOfRestrictedAreaType

Namespace	http://www.ihc.int/S127/2.0
Annotations	Restricted values of categoryOfRestrictedArea in RestrictedArea
Diagram	<pre> classDiagram class RestrictedArea_categoryOfRestrictedAreaType { <<Base Type: RestrictedArea_categoryOfRestrictedA ...>> } RestrictedArea_categoryOfRestrictedAreaType < -- RestrictedArea_categoryOfRestrictedAreaLabel RestrictedArea_categoryOfRestrictedAreaType { <<Restricted values of categoryOfRestrictedArea in RestrictedArea>> } RestrictedArea_categoryOfRestrictedAreaLabel { <<Custom enum: RestrictedArea/categoryOfRestrictedArea>> } RestrictedArea_categoryOfRestrictedAreaType { <<@ Attributes:>> attribute code } RestrictedArea_categoryOfRestrictedAreaLabel { <<@ Attributes:>> attribute code } </pre>

Type	extension of RestrictedArea_categoryOfRestrictedAreaLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • RestrictedArea_categoryOfRestrictedAreaLabel • RestrictedArea_categoryOfRestrictedAreaType 		
Used by	Element RestrictedAreaType/categoryOfRestrictedArea		
Attributes	QName	Type	Use
	code	RestrictedArea_categoryOfRestrictedAreaCode	required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type categoryOfRouteingMeasureType

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Classification of routeing measures by type.		
Diagram	<pre> classDiagram class categoryOfRouteingMeasureType { <<Base Type>> } class categoryOfRouteingMeasureLabel { <<categoryOfRouteingMeasureType>> <<Classification of routeing measures by type.>> attribute code : categoryOfRouteingMeasureCode } categoryOfRouteingMeasureType < -- categoryOfRouteingMeasureLabel </pre>		
Type	extension of categoryOfRouteingMeasureLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • categoryOfRouteingMeasureLabel • categoryOfRouteingMeasureType 		
Attributes	QName	Type	Use
	code	categoryOfRouteingMeasureCode	required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type RouteingMeasure_categoryOfRouteingMeasureType

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Restricted values of categoryOfRouteingMeasure in RouteingMeasure		
Diagram	<pre> classDiagram class RouteingMeasure_categoryOfRouteingMeasureType { <<Base Type>> } class RouteingMeasure_categoryOfRouteingMeasureLabel { <<RouteingMeasure_categoryOfRouteingMeasureType>> <<Custom enum: RouteingMeasure/categoryOfRouteingMeasure>> attribute code : RouteingMeasure_categoryOfRouteingMe ... } RouteingMeasure_categoryOfRouteingMeasureType < -- RouteingMeasure_categoryOfRouteingMeasureLabel </pre>		
Type	extension of RouteingMeasure_categoryOfRouteingMeasureLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • RouteingMeasure_categoryOfRouteingMeasureLabel • RouteingMeasure_categoryOfRouteingMeasureType 		
Used by	Element RouteingMeasureType/categoryOfRouteingMeasure		
Attributes	QName	Type	Use
	code	RouteingMeasure_categoryOfRouteingMeasureCode	required

Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd
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Complex Type categoryOfScheduleType

Namespace	http://www.ihoint/S127/2.0								
Annotations	The type of schedule, for instance opening, closure, etc.								
Diagram	<pre> classDiagram class categoryOfScheduleType { <<categoryOfScheduleLabel>> @ code Type categoryOfScheduleCode } categoryOfScheduleType < -- categoryOfScheduleLabel note over categoryOfScheduleType : The type of schedule, for instance opening, closure, etc. note over categoryOfScheduleLabel : The type of schedule, for instance opening, closure, etc. </pre>								
Type	extension of categoryOfScheduleLabel								
Type hierarchy	<ul style="list-style-type: none"> xs:string categoryOfScheduleLabel categoryOfScheduleType 								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>categoryOfScheduleCode</td> <td>required</td> </tr> </tbody> </table>			QName	Type	Use	code	categoryOfScheduleCode	required
QName	Type	Use							
code	categoryOfScheduleCode	required							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Complex Type scheduleByDayOfWeek_categoryOfScheduleType

Namespace	http://www.ihoint/S127/2.0								
Annotations	Restricted values of categoryOfSchedule in scheduleByDayOfWeek								
Diagram	<pre> classDiagram class scheduleByDayOfWeek_categoryOfScheduleType { <<scheduleByDayOfWeek_categoryOfScheduleLabel>> @ code Type scheduleByDayOfWeek_ ... } scheduleByDayOfWeek_categoryOfScheduleType < -- scheduleByDayOfWeek_categoryOfSchedule ... note over scheduleByDayOfWeek_categoryOfScheduleType : Restricted values of categoryOfSchedule in scheduleByDayOfWeek note over scheduleByDayOfWeek_categoryOfScheduleLabel : Restricted values of categoryOfSchedule in scheduleByDayOfWeek </pre>								
Type	extension of scheduleByDayOfWeek_categoryOfScheduleLabel								
Type hierarchy	<ul style="list-style-type: none"> xs:string scheduleByDayOfWeek_categoryOfScheduleLabel scheduleByDayOfWeek_categoryOfScheduleType 								
Used by	Element scheduleByDayOfWeekType/categoryOfSchedule								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>scheduleByDayOfWeek_ ...</td> <td>required</td> </tr> </tbody> </table>			QName	Type	Use	code	scheduleByDayOfWeek_ ...	required
QName	Type	Use							
code	scheduleByDayOfWeek_ ...	required							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Complex Type categoryOfShipReportType

Namespace	http://www.ihoint/S127/2.0		
Annotations	Classification of ship reports based on IMO standard report formats.		

Diagram	<pre> classDiagram categoryOfShipReportType < -- categoryOfShipReportLabel categoryOfShipReportLabel "1..1" --> code : code code "1..1" --> categoryOfShipReportCode : categoryOfShipReportCode </pre> <p>Classification of ship reports based on IMO standard report formats.</p>						
Type	extension of categoryOfShipReportLabel						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • categoryOfShipReportLabel • categoryOfShipReportType 						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>code</td><td>categoryOfShipReportCode</td><td>required</td></tr> </tbody> </table>	QName	Type	Use	code	categoryOfShipReportCode	required
QName	Type	Use					
code	categoryOfShipReportCode	required					
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type ShipReport_categoryOfShipReportType

Namespace	http://www.ihc.int/S127/2.0								
Annotations	Restricted values of categoryOfShipReport in ShipReport								
Diagram	<pre> classDiagram class ShipReport_categoryOfShipReportType { <<Base Type>> } class ShipReport_categoryOfShipReportLabel { <<Restricted values of categoryOfShipReport in ShipReport>> } ShipReport_categoryOfShipReportLabel "0..1" --> ShipReport_categoryOfShipReportType class ShipReport_categoryOfShipReportLabel { <<Attributes>> attribute code <<Type>> ShipReport_categoryOfShipReportCode } class ShipReport_categoryOfShipReportCode { <<Custom enum: ShipReport/categoryOfShipReport>> } </pre>								
Type	extension of ShipReport_categoryOfShipReportLabel								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • ShipReport_categoryOfShipReportLabel • ShipReport_categoryOfShipReportType 								
Used by	Element ShipReportType/categoryOfShipReport								
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>ShipReport_category-OfShipReportCode</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		code	ShipReport_category-OfShipReportCode	required	
QName	Type	Use							
code	ShipReport_category-OfShipReportCode	required							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Complex Type categoryOfSignalStationTrafficType

Namespace	http://www.ihc.int/SI27/2.0
Annotations	Classification of station based on the traffic service provided.
Diagram	<pre> classDiagram class categoryOfSignalStationTrafficLabel { <<Classification of station based on the traffic service provided.>> <<@ Attributes>> @code : categoryOfSignalStationTrafficCode } class categoryOfSignalStationTrafficType { <<Classification of station based on the traffic service provided.>> <<Base Type categoryOfSignalStationTrafficLabel>> } categoryOfSignalStationTrafficLabel < -- categoryOfSignalStationTrafficType </pre>
Type	extension of categoryOfSignalStationTrafficLabel
Type hierarchy	<ul style="list-style-type: none"> xs:string categoryOfSignalStationTrafficLabel

	<ul style="list-style-type: none"> categoryOfSignalStationTrafficType 			
Attributes	QName	Type	Use	
	code	categoryOfSignalStationTrafficCode	required	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd			

Complex Type SignalStationTraffic_categoryOfSignalStationTrafficType

Namespace	http://www.oho.int/S127/2.0			
Annotations	Restricted values of categoryOfSignalStationTraffic in SignalStationTraffic			
Diagram	<p>The diagram illustrates the structure of the complex type <code>SignalStationTraffic_categoryOfSignalStationTrafficType</code>. It shows the type definition with its base type <code>SignalStationTraffic_label</code>. A callout box indicates that it is an extension of <code>SignalStationTraffic_label</code>. The type is annotated with a custom enum: <code>SignalStationTraffic/categoryOfSignalStationTraffic</code>. An attribute <code>code</code> is defined with type <code>SignalStationTraffic_categoryOfSignalStationTrafficCode</code>, which is marked as required.</p>			
Type	extension of <code>SignalStationTraffic_label</code>			
Type hierarchy	<ul style="list-style-type: none"> xs:string <code>SignalStationTraffic_label</code> <code>SignalStationTraffic_categoryOfSignalStationTrafficType</code> 			
Used by	Element <code>SignalStationTrafficType/categoryOfSignalStationTraffic</code>			
Attributes	QName	Type	Use	
	code	SignalStationTraffic_categoryOfSignalStationTrafficCode	required	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd			

Complex Type categoryOfSignalStationWarningType

Namespace	http://www.oho.int/S127/2.0			
Annotations	Classification of station based on the warning service provided.			
Diagram	<p>The diagram illustrates the structure of the complex type <code>categoryOfSignalStationWarningType</code>. It shows the type definition with its base type <code>categoryOfSignalStationWarningLabel</code>. A callout box indicates that it is a classification of station based on the warning service provided. The type is annotated with a classification of station based on the warning service provided. An attribute <code>code</code> is defined with type <code>categoryOfSignalStationWarningCode</code>.</p>			
Type	extension of <code>categoryOfSignalStationWarningLabel</code>			
Type hierarchy	<ul style="list-style-type: none"> xs:string <code>categoryOfSignalStationWarningLabel</code> <code>categoryOfSignalStationWarningType</code> 			
Attributes	QName	Type	Use	
	code	categoryOfSignalStationWarningCode	required	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd			

Complex Type SignalStationWarning_categoryOfSignalStationWarningType

Namespace	http://www.oho.int/S127/2.0			
-----------	-----------------------------	--	--	--

Annotations	Restricted values of categoryOfSignalStationWarning in SignalStationWarning						
Diagram	<pre> graph LR A[SignalStationWarning_categoryOfSignalStationWarningType] --> B[SignalStationWarning_categoryOfSignalStationWarning] A --> C[SignalStationWarning_categoryOfSignalStationWarningLabel] A --> D[@ code] </pre>						
Type	extension of SignalStationWarning_categoryOfSignalStationWarningLabel						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • SignalStationWarning_categoryOfSignalStationWarningLabel • SignalStationWarning_categoryOfSignalStationWarningType 						
Used by	Element SignalStationWarningType/categoryOfSignalStationWarning						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>SignalStationWarning_categoryOfSignalStationWarning-Code</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	SignalStationWarning_categoryOfSignalStationWarning-Code	required
QName	Type	Use					
code	SignalStationWarning_categoryOfSignalStationWarning-Code	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type categoryOfTemporalVariationType

Namespace	http://www.ihc.int/S127/2.0						
Annotations	An assessment of the likelihood of change over time.						
Diagram	<pre> graph LR A[categoryOfTemporalVariationType] --> B[categoryOfTemporalVariationLabel] A --> C[categoryOfTemporalVariationLabel] A --> D[@ code] </pre>						
Type	extension of categoryOfTemporalVariationLabel						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • categoryOfTemporalVariationLabel • categoryOfTemporalVariationType 						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>categoryOfTemporalVariation-Code</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	categoryOfTemporalVariation-Code	required
QName	Type	Use					
code	categoryOfTemporalVariation-Code	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type QualityOfNonBathymetricData_categoryOfTemporalVariationType

Namespace	http://www.ihc.int/S127/2.0
Annotations	Restricted values of categoryOfTemporalVariation in QualityOfNonBathymetricData
Diagram	<pre> graph LR A[QualityOfNonBathymetricData_categoryOfTemporalVariationType] --> B[QualityOfNonBathymetricData_categoryOfTemporalVariation] A --> C[QualityOfNonBathymetricData_categoryOfTemporalVariationLabel] A --> D[@ code] </pre>
Type	extension of QualityOfNonBathymetricData_categoryOfTemporalVariationLabel
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • QualityOfNonBathymetricData_categoryOfTemporalVariationLabel • QualityOfNonBathymetricData_categoryOfTemporalVariationType

	<ul style="list-style-type: none"> QualityOfNonBathymetricData_categoryOfTemporalVariationLabel QualityOfNonBathymetricData_categoryOfTemporalVariationType 						
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					
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type categoryOfTextType

Namespace	http://www.ihodata.org/S127/2.0								
Annotations	Classification of completeness of textual information in relation to the source material from which it is derived.								
Diagram	<pre> classDiagram class categoryOfTextType { <<Classification of completeness of textual information in relation to the source material from which it is derived.>> } categoryOfTextType "0..1" -- "1" categoryOfTextLabel categoryOfTextType "code" : categoryOfTextCode </pre>								
Type	extension of categoryOfTextLabel								
Type hierarchy	<ul style="list-style-type: none"> xs:string categoryOfTextLabel categoryOfTextType 								
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							
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Complex Type textContent_categoryOfTextType

Namespace	http://www.ihodata.org/S127/2.0								
Annotations	Restricted values of categoryOfText in textContent								
Diagram	<pre> classDiagram class textContent_categoryOfTextType { <<Restricted values of categoryOfText in textContent>> } textContent_categoryOfTextType "0..1" -- "1" textContent_categoryOfTextLabel textContent_categoryOfTextType "code" : textContent_categoryOfTextCode </pre>								
Type	extension of textContent_categoryOfTextLabel								
Type hierarchy	<ul style="list-style-type: none"> xs:string textContent_categoryOfTextLabel textContent_categoryOfTextType 								
Used by	Element textContentType/categoryOfText								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>textContent_categoryOfTextCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	textContent_categoryOfTextCode	required		
QName	Type	Use							
code	textContent_categoryOfTextCode	required							
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Complex Type categoryOfTrafficSeparationSchemeType

Namespace	http://www.ihc.int/S127/2.0								
Annotations	International classification of traffic separation scheme.								
Diagram	<pre> classDiagram class categoryOfTrafficSeparationSchemeType { <<International classification of traffic separation scheme>> <<Base Type: categoryOfTrafficSeparationSchemeLabel>> <<International classification of traffic separation scheme.>> @ code categoryOfTrafficSeparationSchemeCode } categoryOfTrafficSeparationSchemeType < -- categoryOfTrafficSeparationSchemeLabel </pre>								
Type	extension of categoryOfTrafficSeparationSchemeLabel								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • categoryOfTrafficSeparationSchemeLabel • categoryOfTrafficSeparationSchemeType 								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>categoryOfTrafficSeparationSchemeCode</td> <td>required</td> </tr> </tbody> </table>			QName	Type	Use	code	categoryOfTrafficSeparationSchemeCode	required
QName	Type	Use							
code	categoryOfTrafficSeparationSchemeCode	required							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Complex Type RouteingMeasure_categoryOfTrafficSeparationSchemeType

Namespace	http://www.ihc.int/S127/2.0								
Annotations	Restricted values of categoryOfTrafficSeparationScheme in RouteingMeasure								
Diagram	<pre> classDiagram class RouteingMeasure_categoryOfTrafficSeparationSchemeType { <<Restricted values of categoryOfTrafficSeparationScheme in RouteingMeasure>> <<Base Type: RouteingMeasure_categoryOfTrafficSep ...>> @ code } RouteingMeasure_categoryOfTrafficSeparationSchemeType < -- RouteingMeasure_categoryOfTrafficSeparationSchemeLabel </pre>								
Type	extension of RouteingMeasure_categoryOfTrafficSeparationSchemeLabel								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • RouteingMeasure_categoryOfTrafficSeparationSchemeLabel • RouteingMeasure_categoryOfTrafficSeparationSchemeType 								
Used by	Element RoutingMeasureType/categoryOfTrafficSeparationScheme								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>RouteingMeasure_categoryOfTrafficSeparationSchemeCode</td> <td>required</td> </tr> </tbody> </table>			QName	Type	Use	code	RouteingMeasure_categoryOfTrafficSeparationSchemeCode	required
QName	Type	Use							
code	RouteingMeasure_categoryOfTrafficSeparationSchemeCode	required							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Complex Type categoryOfVesselRegistryType

Namespace	http://www.ihc.int/S127/2.0		
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 categoryOfVesselRegistryType { <<The locality of vessel registration or enrolment relative to the nationality of a port, territorial sea, administrative...>> <<Base Type: categoryOfVesselRegistryLabel>> @ code } categoryOfVesselRegistryType < -- categoryOfVesselRegistryLabel </pre>		

Type	extension of categoryOfVesselRegistryLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> categoryOfVesselRegistryLabel categoryOfVesselRegistryType 		
Attributes	QName	Type	Use
	code	categoryOfVesselRegistryCode	required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type Applicability_categoryOfVesselRegistryType

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Restricted values of categoryOfVesselRegistry in Applicability		
Diagram	<pre> classDiagram class Applicability_categoryOfVesselRegistryType { <<Base Type: Applicability_categoryOfVesselRegistryLabel>> <<Restricted values of categoryOfVesselRegistry in Applicability>> } class Applicability_categoryOfVesselRegistryLabel { <<Custom enum: Applicability/categoryOfVesselRegistry>> } Applicability_categoryOfVesselRegistryType "0..1" o--> Applicability_categoryOfVesselRegistryLabel Applicability_categoryOfVesselRegistryType "0..1" o--> code code "0..1" --> Applicability_categoryOfVesselRegistryType code { <<@ Attributes>> <<@ code>> <<Type: Applicability_categoryOfVesselRegistryCode>> } </pre>		
Type	extension of Applicability_categoryOfVesselRegistryLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> Applicability_categoryOfVesselRegistryLabel Applicability_categoryOfVesselRegistryType 		
Used by	Element	ApplicabilityType/categoryOfVesselRegistry	
Attributes	QName	Type	Use
	code	Applicability_categoryOfVesselRegistryCode	required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type comparisonOperatorType

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Numerical comparison.		
Diagram	<pre> classDiagram class comparisonOperatorType { <<Base Type: comparisonOperatorLabel>> <<Numerical comparison.>> } class comparisonOperatorLabel { <<Numerical comparison.>> } comparisonOperatorType "0..1" o--> comparisonOperatorLabel comparisonOperatorType "0..1" o--> code code "0..1" --> comparisonOperatorType code { <<@ Attributes>> <<@ code>> <<Type: comparisonOperatorCode>> } </pre>		
Type	extension of comparisonOperatorLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> comparisonOperatorLabel comparisonOperatorType 		
Attributes	QName	Type	Use
	code	comparisonOperatorCode	required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type vesselMeasurementsSpecification_comparisonOperatorType

Namespace	http://www.ihc.int/S127/2.0						
Annotations	Restricted values of comparisonOperator in vesselMeasurementsSpecification						
Diagram	<p>The diagram shows a UML class named 'vesselMeasurementsSpecification_comparisonOperatorType' with a multiplicity of 0..1. It is associated with a constraint labeled 'Restricted values of comparisonOperator in vesselMeasurementsSpecification'. A callout box from this constraint points to another constraint labeled 'Restricted values of vesselMeasurementsSpecification/comparisonOperator'. This second constraint is associated with an attribute '@ code' of type 'vesselMeasurementsSpecification_comp...'. A callout box from '@ code' points to its definition.</p>						
Type	extension of vesselMeasurementsSpecification_comparisonOperatorLabel						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • vesselMeasurementsSpecification_comparisonOperatorLabel • vesselMeasurementsSpecification_comparisonOperatorType 						
Used by	Element vesselMeasurementsSpecificationType/comparisonOperator						
Attributes	<table border="1"> <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					
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type conditionType

Namespace	http://www.ihc.int/S127/2.0						
Annotations	The various conditions of buildings and other constructions.						
Diagram	<p>The diagram shows a UML class named 'conditionType' with a multiplicity of 0..1. It is associated with a constraint labeled 'The various conditions of buildings and other constructions.'. A callout box from this constraint points to another constraint labeled 'conditionLabel'. This second constraint is associated with an attribute '@ code' of type 'conditionCode'. A callout box from '@ code' points to its definition.</p>						
Type	extension of conditionLabel						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • conditionLabel • conditionType 						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>conditionCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	conditionCode	required
QName	Type	Use					
code	conditionCode	required					
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type CautionArea_conditionType

Namespace	http://www.ihc.int/S127/2.0
Annotations	Restricted values of condition in CautionArea
Diagram	<p>The diagram shows a UML class named 'CautionArea_conditionType' with a multiplicity of 0..1. It is associated with a constraint labeled 'Restricted values of condition in CautionArea'. A callout box from this constraint points to another constraint labeled 'CautionArea_conditionLabel'. This second constraint is associated with a custom enum named 'CautionArea/condition'. A callout box from 'CautionArea/condition' points to another constraint labeled 'Custom enum: CautionArea/condition'. This third constraint is associated with an attribute '@ code' of type 'CautionArea_conditionCode'. A callout box from '@ code' points to its definition.</p>

Type	extension of CautionArea_conditionLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string CautionArea_conditionLabel CautionArea_conditionType 		
Used by	Element CautionAreaType/condition		
Attributes	QName	Type	Use
	code	CautionArea_conditionCode	required
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type dateEndType

Namespace	http://www.ihc.int/S127/2.0		
Annotations	The latest date on which an object (for example a buoy) will be present.		
Diagram	<p>The diagram illustrates the inheritance relationship between the complex type <code>dateEndType</code> and its base type <code>S100:S100_TruncatedDate</code>. The <code>dateEndType</code> class is shown with a note: "The latest date on which an object (for example a buoy) will be present." It extends the <code>S100:S100_TruncatedDate</code> base type. A callout box points to the base type with the text: "built in date types from W3C XML schema, implementing S-100 truncated date". The <code>S100:S100_TruncatedDate</code> base type is itself an extension of the <code>S100:S100_TruncatedDate</code> extension base, which includes built-in date types like <code>gDay</code>, <code>gMonth</code>, <code>gYear</code>, <code>gMonthDay</code>, <code>gYearMonth</code>, and <code>date</code>.</p>		
Type	extension of S100_TruncatedDate		
Type hierarchy	<ul style="list-style-type: none"> S100_TruncatedDate dateEndType 		
Used by	Elements fixedDateRangeType/dateEnd, periodicDateRangeType/dateEnd, surveyDateRangeType/dateEnd		
Model	<code>gDay</code> <code>gMonth</code> <code>gYear</code> <code>gMonthDay</code> <code>gYearMonth</code> <code>date</code>		
Children	<code>date</code> , <code>gDay</code> , <code>gMonth</code> , <code>gMonthDay</code> , <code>gYear</code> , <code>gYearMonth</code>		
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type dateFixedType

Namespace	http://www.ihc.int/S127/2.0		
Annotations	The date of an event.		
Diagram	<p>The diagram illustrates the inheritance relationship between the complex type <code>dateFixedType</code> and its base type <code>S100:S100_TruncatedDate</code>. The <code>dateFixedType</code> class is shown with a note: "The date of an event.". It extends the <code>S100:S100_TruncatedDate</code> base type. A callout box points to the base type with the text: "built in date types from W3C XML schema, implementing S-100 truncated date". The <code>S100:S100_TruncatedDate</code> base type is itself an extension of the <code>S100:S100_TruncatedDate</code> extension base, which includes built-in date types like <code>gDay</code>, <code>gMonth</code>, <code>gYear</code>, <code>gMonthDay</code>, <code>gYearMonth</code>, and <code>date</code>.</p>		
Type	extension of S100_TruncatedDate		

Type hierarchy	<ul style="list-style-type: none"> • S100_TruncatedDate <ul style="list-style-type: none"> • dateFixedType
Used by	Element NonStandardWorkingDayType/dateFixed
Model	gDay gMonth gYear gMonthDay gYearMonth date
Children	date, gDay, gMonth, gMonthDay, gYear, gYearMonth
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Complex Type dateStartType

Namespace	http://www.ihc.int/S127/2.0
Annotations	The earliest date on which an object (for example a buoy) will be present.
Diagram	<pre> classDiagram dateStartType < -- S100_S100_TruncatedDate dateStartType < -- S100_S100_TruncatedDate </pre> <p>The diagram illustrates the type hierarchy for dateStartType. It shows dateStartType as an extension of S100_S100_TruncatedDate. The S100_S100_TruncatedDate type is further extended by six other types: gDay, gMonth, gYear, gMonthDay, gYearMonth, and date. A note indicates that dateStartType is 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"> • S100_TruncatedDate <ul style="list-style-type: none"> • dateStartType
Used by	Elements fixedDateRangeType/dateStart, periodicDateRangeType/dateStart, surveyDateRangeType/dateStart
Model	gDay gMonth gYear gMonthDay gYearMonth date
Children	date, gDay, gMonth, gMonthDay, gYear, gYearMonth
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Complex Type dayOfWeekType

Namespace	http://www.ihc.int/S127/2.0						
Annotations	Any one of seven days in a week.						
Diagram	<pre> classDiagram dayOfWeekType < -- dayOfWeekLabel dayOfWeekType < -- dayOfWeekLabel </pre> <p>The diagram illustrates the type hierarchy for dayOfWeekType. It shows dayOfWeekType as an extension of dayOfWeekLabel. The dayOfWeekLabel type is further extended by six other types: dayOfWeakLabel, Any one of seven days in a week, and Attributes. The Attributes section includes code and type dayOfWeekCode.</p>						
Type	extension of dayOfWeekLabel						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • dayOfWeakLabel • dayOfWeekType 						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>dayOfWeekCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	dayOfWeekCode	required
QName	Type	Use					
code	dayOfWeekCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type timeIntervalsByDayOfWeek_dayOfWeekType

Namespace	http://www.ihoint/S127/2.0						
Annotations	Restricted values of dayOfWeek in timeIntervalsByDayOfWeek						
Diagram	<p>The diagram shows the complex type <code>timeIntervalsByDayOfWeek_dayOfWeekType</code> as a base type for <code>timeIntervalsByDayOfWeek_dayOfWeekLabel</code>. It includes annotations for restricted values of dayOfWeek and attributes for code.</p>						
Type	extension of <code>timeIntervalsByDayOfWeek_dayOfWeekLabel</code>						
Type hierarchy	<ul style="list-style-type: none"> xs:string <code>timeIntervalsByDayOfWeek_dayOfWeekLabel</code> <code>timeIntervalsByDayOfWeek_dayOfWeekType</code> 						
Used by	Element <code>timeIntervalsByDayOfWeekType/dayOfWeek</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><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					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type dynamicResourceType

Namespace	http://www.ihoint/S127/2.0						
Annotations	Whether a vessel must use a shore-based or other resource to obtain up-to-date information.						
Diagram	<p>The diagram shows the complex type <code>dynamicResourceType</code> as a base type for <code>dynamicResourceLabel</code>. It includes annotations for whether a vessel must use a shore-based or other resource and attributes for code.</p>						
Type	extension of <code>dynamicResourceLabel</code>						
Type hierarchy	<ul style="list-style-type: none"> xs:string <code>dynamicResourceLabel</code> <code>dynamicResourceType</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><code>dynamicResourceCode</code></td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	<code>code</code>	<code>dynamicResourceCode</code>	required
QName	Type	Use					
<code>code</code>	<code>dynamicResourceCode</code>	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type UnderKeelClearanceManagementArea_dynamicResourceType

Namespace	http://www.ihoint/S127/2.0
Annotations	Restricted values of dynamicResource in UnderKeelClearanceManagementArea
Diagram	<p>The diagram shows the complex type <code>UnderKeelClearanceManagementArea_dynamicResourceType</code> as a base type for <code>UnderKeelClearanceManagementArea_dynamicResourceLabel</code>. It includes annotations for restricted values of dynamicResource and attributes for code.</p>

Type	extension of UnderKeelClearanceManagementArea_dynamicResourceLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> UnderKeelClearanceManagementArea_dynamicResourceLabel UnderKeelClearanceManagementArea_dynamicResourceType 		
Used by	Element UnderKeelClearanceManagementAreaType/dynamicResource		
Attributes	QName	Type	Use
	code	UnderKeelClearanceManagementArea_dynamicResourceCode	required
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type WaterwayArea_dynamicResourceType

Namespace	http://www.ihoint/S127/2.0		
Annotations	Restricted values of dynamicResource in WaterwayArea		
Diagram	<pre> classDiagram class WaterwayArea_dynamicResourceType { <<Base Type: WaterwayArea_dynamicResourceLabel>> <<Restricted values of dynamicResource in WaterwayArea>> } class WaterwayArea_dynamicResourceLabel { <<Custom enum: WaterwayArea/dynamicResource>> } WaterwayArea_dynamicResourceType "0..1" -- "1..1" WaterwayArea_dynamicResourceLabel WaterwayArea_dynamicResourceLabel "0..1" -- "1..1" <<@ Attributes>> <<@ code>> <<Type: WaterwayArea_dynamicResourceCode>> </pre>		
Type	extension of WaterwayArea_dynamicResourceLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> WaterwayArea_dynamicResourceLabel WaterwayArea_dynamicResourceType 		
Used by	Element WaterwayAreaType/dynamicResource		
Attributes	QName	Type	Use
	code	WaterwayArea_dynamicResourceCode	required
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type iSPSLevelType

Namespace	http://www.ihoint/S127/2.0		
Annotations	Classification of ISPS security levels according to the ISPS Code.		
Diagram	<pre> classDiagram class iSPSLevelType { <<Base Type: iSPSLevelLabel>> <<Classification of ISPS security levels according to the ISPS Code.>> } class iSPSLevelLabel { <<Classification of ISPS security levels according to the ISPS Code.>> } iSPSLevelType "0..1" -- "1..1" iSPSLevelLabel iSPSLevelLabel "0..1" -- "1..1" <<@ Attributes>> <<@ code>> <<Type: iSPSLevelCode>> </pre>		
Type	extension of iSPSLevelLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> iSPSLevelLabel iSPSLevelType 		
Attributes	QName	Type	Use
	code	iSPSLevelCode	required

Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd
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Complex Type ISPSCodeSecurityLevel_iSPSLevelType

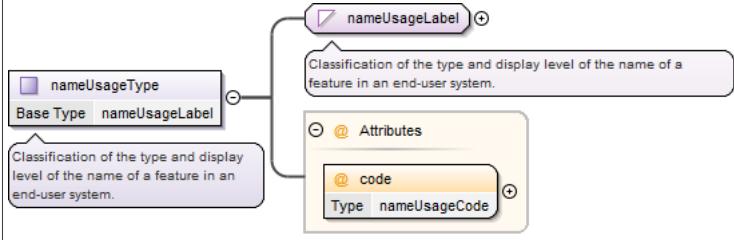
Namespace	http://www.ihoint/S127/2.0						
Annotations	Restricted values of iSPSLevel in ISPSCodeSecurityLevel						
Diagram	<pre> classDiagram class ISPSCodeSecurityLevel_iSPSLevelLabel { <<Custom enum: ISPSCodeSecurityLevel/iSPSLevel>> } @ code : ISPSCodeSecurityLevel_iSPSLevelCode ISPSCodeSecurityLevel_iSPSLevelLabel "0..1" --> "@ code" note over ISPSCodeSecurityLevel_iSPSLevelLabel: Restricted values of iSPSLevel in ISPSCodeSecurityLevel </pre>						
Type	extension of ISPSCodeSecurityLevel_iSPSLevelLabel						
Type hierarchy	<ul style="list-style-type: none"> xs:string • ISPSCodeSecurityLevel_iSPSLevelLabel • ISPSCodeSecurityLevel_iSPSLevelType 						
Used by	Element ISPSCodeSecurityLevelType/iSPSLevel						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>ISPSCodeSecurityLevel_iSPSLevelCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	ISPSCodeSecurityLevel_iSPSLevelCode	required
QName	Type	Use					
code	ISPSCodeSecurityLevel_iSPSLevelCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type membershipType

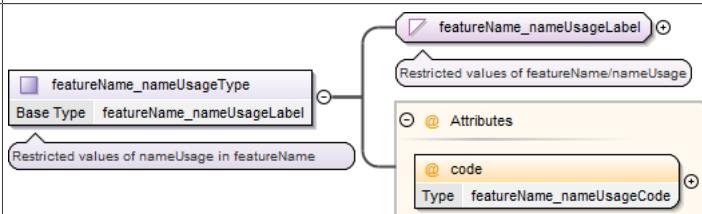
Namespace	http://www.ihoint/S127/2.0						
Annotations	Indicates whether a vessel is included or excluded from the regulation/restriction/recommendation/nautical information.						
Diagram	<pre> classDiagram class membershipLabel { <<Indicates whether a vessel is included or excluded from the regulation/restriction/recommendation/nautical information.>> } @ code : membershipCode membershipLabel "0..1" --> "@ code" note over membershipLabel: Indicates whether a vessel is included or excluded from the regulation/restriction/recommendation/nautical information. </pre>						
Type	extension of membershipLabel						
Type hierarchy	<ul style="list-style-type: none"> xs:string • membershipLabel • membershipType 						
Used by	Element InclusionTypeType/membership						
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					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type nameUsageType

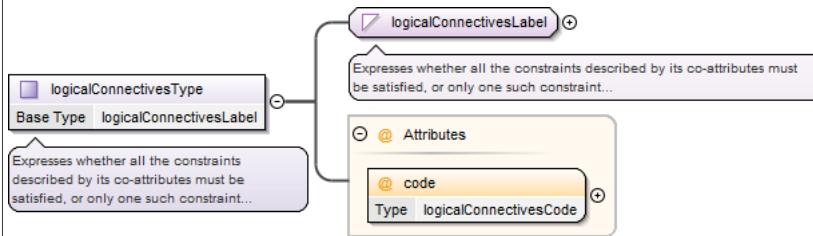
Namespace	http://www.ihoint/S127/2.0
Annotations	Classification of the type and display level of the name of a feature in an end-user system.

Diagram							
Type	extension of nameUsageLabel						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> nameUsageLabel nameUsageType 						
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					
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type `featureName_nameUsageType`

Namespace	http://www.ihoint/S127/2.0						
Annotations	Restricted values of nameUsage in featureName						
Diagram							
Type	extension of featureName_nameUsageLabel						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> featureName_nameUsageLabel featureName_nameUsageType 						
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					
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type `logicalConnectivesType`

Namespace	http://www.ihoint/S127/2.0
Annotations	Expresses whether all the constraints described by its co-attributes must be satisfied, or only one such constraint need be satisfied.
Diagram	
Type	extension of logicalConnectivesLabel
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> logicalConnectivesLabel logicalConnectivesType

	<ul style="list-style-type: none"> • logicalConnectivesLabel • logicalConnectivesType 						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>logicalConnectivesCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	logicalConnectivesCode	required
QName	Type	Use					
code	logicalConnectivesCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type Applicability_logicalConnectivesType

Namespace	http://www.aho.int/S127/2.0								
Annotations	Restricted values of logicalConnectives in Applicability								
Diagram									
Type	extension of Applicability_logicalConnectivesLabel								
Type hierarchy	<ul style="list-style-type: none"> • xs:string • Applicability_logicalConnectivesLabel • Applicability_logicalConnectivesType 								
Used by	Element ApplicabilityType/logicalConnectives								
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							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Complex Type onlineFunctionType

Namespace	http://www.aho.int/S127/2.0								
Annotations	Code for function performed by the online resource.								
Diagram									
Type	extension of onlineFunctionLabel								
Type hierarchy	<ul style="list-style-type: none"> • xs:string • onlineFunctionLabel • onlineFunctionType 								
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							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Complex Type onlineResource_onlineFunctionType

Namespace	http://www.aho.int/S127/2.0		
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Annotations	Restricted values of onlineFunction in onlineResource						
Diagram	<pre> classDiagram class onlineResource_onlineFunctionType { <<Base Type>> onlineResource_onlineFunctionLabel } class onlineResource_onlineFunctionLabel { <<Restricted values of onlineFunction in onlineResource>> <<@ Attributes>> <<@ code Type onlineResource_onlineFunctionCode>> } onlineResource_onlineFunctionType "1" --> "1" onlineResource_onlineFunctionLabel </pre>						
Type	extension of onlineResource_onlineFunctionLabel						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> onlineResource_onlineFunctionLabel onlineResource_onlineFunctionType 						
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					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type operationType

Namespace	http://www.ihoint/S127/2.0						
Annotations	Indicates whether the minimum or maximum value should be used to describe a condition or in application processing.						
Diagram	<pre> classDiagram class operationType { <<Base Type>> operationLabel } class operationLabel { <<Indicates whether the minimum or maximum value should be used to describe a condition or in application processing.>> <<@ Attributes>> <<@ code Type operationCode>> } operationType "1" --> "1" operationLabel </pre>						
Type	extension of operationLabel						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> operationLabel operationType 						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>operationCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	operationCode	required
QName	Type	Use					
code	operationCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type noticeTime_operationType

Namespace	http://www.ihoint/S127/2.0
Annotations	Restricted values of operation in noticeTime
Diagram	<pre> classDiagram class noticeTime_operationType { <<Base Type>> noticeTime_operationLabel } class noticeTime_operationLabel { <<Restricted values of noticeTime/operation>> <<@ Attributes>> <<@ code Type noticeTime_operationCode>> } noticeTime_operationType "1" --> "1" noticeTime_operationLabel </pre>
Type	extension of noticeTime_operationLabel

Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> noticeTime_operationLabel noticeTime_operationType 						
Used by	Element noticeTimeType/operation						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>noticeTime_operationCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	noticeTime_operationCode	required
QName	Type	Use					
code	noticeTime_operationCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type underKeelAllowance_operationType

Namespace	http://www.oho.int/S127/2.0						
Annotations	Restricted values of operation in underKeelAllowance						
Diagram	<pre> graph LR subgraph "underKeelAllowance_operationType" direction TB A[underKeelAllowance_operationLabel] --- B[underKeelAllowance_operationLabel] A --- C[code] B --- D[underKeelAllowance_operationLabel] C --- E[underKeelAllowance_operationLabel] end </pre>						
Type	extension of underKeelAllowance_operationLabel						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> underKeelAllowance_operationLabel underKeelAllowance_operationType 						
Used by	Element underKeelAllowanceType/operation						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>underKeelAllowance_operationCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	underKeelAllowance_operationCode	required
QName	Type	Use					
code	underKeelAllowance_operationCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type pilotMovementType

Namespace	http://www.oho.int/S127/2.0						
Annotations	Classification of pilot activity by arrival, departure, or change of pilot. It may also describe the place where the pilot's advice begins, ends, or is transferred to a different pilot.						
Diagram	<pre> graph LR subgraph "pilotMovementType" direction TB A[pilotMovementLabel] --- B[pilotMovementLabel] A --- C[code] B --- D[pilotMovementLabel] C --- E[pilotMovementLabel] end </pre>						
Type	extension of pilotMovementLabel						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> pilotMovementLabel pilotMovementType 						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>pilotMovementCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	pilotMovementCode	required
QName	Type	Use					
code	pilotMovementCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type PilotBoardingPlace_pilotMovementType

Namespace	http://www.oho.int/S127/2.0								
Annotations	Restricted values of pilotMovement in PilotBoardingPlace								
Diagram	<pre> classDiagram class PilotBoardingPlace_pilotMovementType { <<Base Type>> } class PilotBoardingPlace_pilotMovementLabel { <<Restricted values of pilotMovement in PilotBoardingPlace>> } PilotBoardingPlace_pilotMovementType "0..1" --> "1..1" PilotBoardingPlace_pilotMovementLabel enum PilotBoardingPlace.pilotMovement { <<Custom enum: PilotBoardingPlace/pilotMovement>> } PilotBoardingPlace_pilotMovementLabel "0..1" --> "1..1" @Attributes @Attributes { code: PilotBoardingPlace_pilotMovementCode } class PilotBoardingPlace_pilotMovementCode { <<Type PilotBoardingPlace_pilotMovementCode>> } </pre>								
Type	extension of PilotBoardingPlace_pilotMovementLabel								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • PilotBoardingPlace_pilotMovementLabel • PilotBoardingPlace_pilotMovementType 								
Used by	Element PilotBoardingPlaceType/pilotMovement								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>PilotBoardingPlace_pilotMovementCode</td> <td>required</td> </tr> </tbody> </table>			QName	Type	Use	code	PilotBoardingPlace_pilotMovementCode	required
QName	Type	Use							
code	PilotBoardingPlace_pilotMovementCode	required							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Complex Type pilotQualificationType

Namespace	http://www.oho.int/S127/2.0								
Annotations	Classification of pilots and pilot services by type of license qualification or type of organization providing services.								
Diagram	<pre> classDiagram class pilotQualificationType { <<Base Type>> } class pilotQualificationLabel { <<Classification of pilots and pilot services by type of license qualification or type of organization providing services.>> } pilotQualificationType "0..1" --> "1..1" pilotQualificationLabel enum PilotService.pilotQualification { <<Custom enum: PilotService/pilotQualification>> } pilotQualificationLabel "0..1" --> "1..1" @Attributes @Attributes { code: pilotQualificationCode } class pilotQualificationCode { <<Type pilotQualificationCode>> } </pre>								
Type	extension of pilotQualificationLabel								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • pilotQualificationLabel • pilotQualificationType 								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>pilotQualificationCode</td> <td>required</td> </tr> </tbody> </table>			QName	Type	Use	code	pilotQualificationCode	required
QName	Type	Use							
code	pilotQualificationCode	required							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Complex Type PilotService_pilotQualificationType

Namespace	http://www.oho.int/S127/2.0		
Annotations	Restricted values of pilotQualification in PilotService		
Diagram	<pre> classDiagram class PilotService_pilotQualificationType { <<Base Type>> } class PilotService_pilotQualificationLabel { <<Restricted values of pilotQualification in PilotService>> } PilotService_pilotQualificationType "0..1" --> "1..1" PilotService_pilotQualificationLabel enum PilotService.pilotQualification { <<Custom enum: PilotService/pilotQualification>> } PilotService_pilotQualificationLabel "0..1" --> "1..1" @Attributes @Attributes { code: PilotService_pilotQualificationCode } class PilotService_pilotQualificationCode { <<Type PilotService_pilotQualificationCode>> } </pre>		

Type	extension of PilotService_pilotQualificationLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> PilotService_pilotQualificationLabel PilotService_pilotQualificationType 		
Used by	Element PilotServiceType/pilotQualification		
Attributes	QName	Type	Use
	code	PilotService_pilotQualificationCode	required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type qualityOfHorizontalMeasurementType

Namespace	http://www.ihc.int/S127/2.0		
Annotations	The degree of reliability attributed to a position.		
Diagram	<pre> graph LR qualityOfHorizontalMeasurementType[qualityOfHorizontalMeasurementType] --> qualityOfHorizontalMeasurementLabel[qualityOfHorizontalMeasurementLabel] qualityOfHorizontalMeasurementLabel --- annotation[The degree of reliability attributed to a position.] qualityOfHorizontalMeasurementLabel --- attributes[Attributes] attributes --- codeAttribute[@ code] codeAttribute --- codeType[Type qualityOfHorizontalMeasurementCode] </pre>		
Type	extension of qualityOfHorizontalMeasurementLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> qualityOfHorizontalMeasurementLabel qualityOfHorizontalMeasurementType 		
Attributes	QName	Type	Use
	code	qualityOfHorizontalMeasurementCode	required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type SpatialQuality_qualityOfHorizontalMeasurementType

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Restricted values of qualityOfHorizontalMeasurement in SpatialQuality		
Diagram	<pre> graph LR SpatialQuality_qualityOfHorizontalMeasurementType[SpatialQuality_qualityOfHorizontalMeasurementType] --> SpatialQuality_qualityOfHorizontalMeasurementLabel[SpatialQuality_qualityOfHorizontalMeasurementLabel] SpatialQuality_qualityOfHorizontalMeasurementLabel --- annotation[Custom enum: SpatialQuality/qualityOfHorizontalMeasurement] SpatialQuality_qualityOfHorizontalMeasurementLabel --- attributes[Attributes] attributes --- codeAttribute[@ code] codeAttribute --- codeType[Type SpatialQuality_qualityOfHorizontalMe ...] </pre>		
Type	extension of SpatialQuality_qualityOfHorizontalMeasurementLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> SpatialQuality_qualityOfHorizontalMeasurementLabel SpatialQuality_qualityOfHorizontalMeasurementType 		
Used by	Element SpatialQualityType/qualityOfHorizontalMeasurement		
Attributes	QName	Type	Use
	code	SpatialQuality_qualityOfHorizontalMeasurementCode	required

Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd
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Complex Type reportedDateType

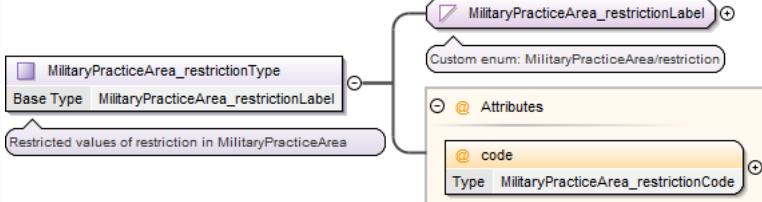
Namespace	http://www.ihc.int/S127/2.0
Annotations	The date that the item was observed, done, or investigated.
Diagram	<p>The diagram illustrates the UML class structure for the reportedDateType complex type. It shows reportedDateType as an extension of S100_TruncatedDate. The class has several attributes: gDay, gMonth, gYear, gMonthDay, gYearMonth, and date. A note indicates that these are 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"> S100_TruncatedDate <ul style="list-style-type: none"> reportedDateType
Used by	Element sourceIndicationType/reportedDate
Model	gDay gMonth gYear gMonthDay gYearMonth date
Children	date, gDay, gMonth, gMonthDay, gYear, gYearMonth
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Complex Type restrictionType

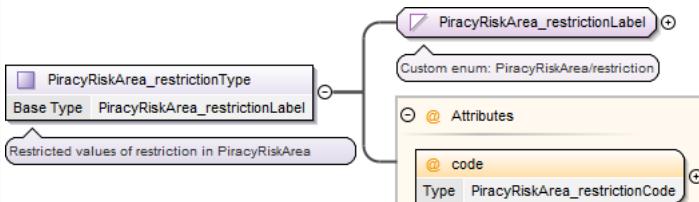
Namespace	http://www.ihc.int/S127/2.0						
Annotations	The official legal statute of each kind of restricted area.						
Diagram	<p>The diagram illustrates the UML class structure for the restrictionType complex type. It shows restrictionType as an extension of restrictionLabel. The class has attributes code and restrictionCode. A note specifies that the official legal statute of each kind of restricted area is defined by the restrictionLabel.</p>						
Type	extension of restrictionLabel						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> restrictionLabel restrictionType 						
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					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type MilitaryPracticeArea_restrictionType

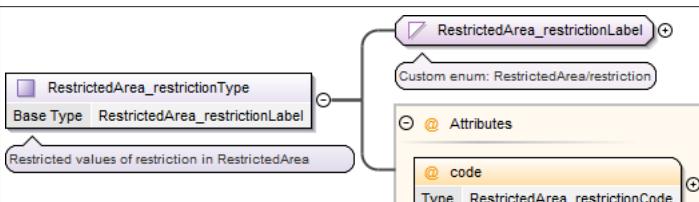
Namespace	http://www.ihc.int/S127/2.0
Annotations	Restricted values of restriction in MilitaryPracticeArea

Diagram							
Type	extension of MilitaryPracticeArea_restrictionLabel						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> MilitaryPracticeArea_restrictionLabel MilitaryPracticeArea_restrictionType 						
Used by	Element MilitaryPracticeAreaType/restriction						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>code</td><td>MilitaryPracticeArea_restrictionCode</td><td>required</td></tr> </tbody> </table>	QName	Type	Use	code	MilitaryPracticeArea_restrictionCode	required
QName	Type	Use					
code	MilitaryPracticeArea_restrictionCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type PiracyRiskArea_restrictionType

Namespace	http://www.ihoint/S127/2.0						
Annotations	Restricted values of restriction in PiracyRiskArea						
Diagram							
Type	extension of PiracyRiskArea_restrictionLabel						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> PiracyRiskArea_restrictionLabel PiracyRiskArea_restrictionType 						
Used by	Element PiracyRiskAreaType/restriction						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>code</td><td>PiracyRiskArea_restrictionCode</td><td>required</td></tr> </tbody> </table>	QName	Type	Use	code	PiracyRiskArea_restrictionCode	required
QName	Type	Use					
code	PiracyRiskArea_restrictionCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type RestrictedArea_restrictionType

Namespace	http://www.ihoint/S127/2.0
Annotations	Restricted values of restriction in RestrictedArea
Diagram	
Type	extension of RestrictedArea_restrictionLabel

Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> RestrictedArea_restrictionLabel RestrictedArea_restrictionType 						
Used by	Element RestrictedAreaType/restriction						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>RestrictedArea_restrictionCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	RestrictedArea_restrictionCode	required
QName	Type	Use					
code	RestrictedArea_restrictionCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type sRSFormatCodeType

Namespace	http://www.ihc.int/S127/2.0						
Annotations	The standard ship reporting formats according to IMO Resolution A.531(13) General Principles for Ship Reporting System or IMO A.851(20).						
Diagram	<p>The diagram illustrates the structure of the sRSFormatCodeType complex type. It is defined as an extension of sRSFormatCodeLabel. The type includes an attribute code of type sRSFormatCodeCode, which is annotated with the description "The standard ship reporting formats according to IMO Resolution A.531(13) General Principles for Ship Reporting System...".</p>						
Type	extension of sRSFormatCodeLabel						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> sRSFormatCodeLabel sRSFormatCodeType 						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>sRSFormatCodeCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	sRSFormatCodeCode	required
QName	Type	Use					
code	sRSFormatCodeCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type ShipReport_sRSFormatCodeType

Namespace	http://www.ihc.int/S127/2.0						
Annotations	Restricted values of sRSFormatCode in ShipReport						
Diagram	<p>The diagram illustrates the structure of the ShipReport_sRSFormatCodeType complex type. It is defined as an extension of ShipReport_sRSFormatCodeLabel. The type includes an attribute code of type ShipReport_sRSFormatCodeCode, which is annotated with the description "Restricted values of sRSFormatCode in ShipReport".</p>						
Type	extension of ShipReport_sRSFormatCodeLabel						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> ShipReport_sRSFormatCodeLabel ShipReport_sRSFormatCodeType 						
Used by	Element ShipReportType/sRSFormatCode						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>ShipReport_sRSFormatCodeCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	ShipReport_sRSFormatCodeCode	required
QName	Type	Use					
code	ShipReport_sRSFormatCodeCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type sourceTypeType

Namespace	http://www.ihc.int/S127/2.0								
Annotations	Type of the source.								
Diagram	<pre> classDiagram class sourceTypeType { <<Base Type>> } class sourceTypeLabel { <<Type of the source.>> @ code } sourceTypeType < -- sourceTypeLabel sourceTypeLabel < --> annotation[Type of the source.] sourceTypeLabel < --> attribute[@ code] </pre>								
Type	extension of sourceTypeLabel								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • sourceTypeLabel • sourceTypeType 								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>sourceTypeCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	sourceTypeCode	required		
QName	Type	Use							
code	sourceTypeCode	required							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Complex Type sourceIndication_sourceTypeType

Namespace	http://www.ihc.int/S127/2.0								
Annotations	Restricted values of sourceType in sourceIndication								
Diagram	<pre> classDiagram class sourceIndication_sourceTypeType { <<Base Type>> } class sourceIndication_sourceTypeLabel { <<Restricted values of sourceType in sourceIndication.>> @ code } sourceIndication_sourceTypeType < -- sourceIndication_sourceTypeLabel sourceIndication_sourceTypeLabel < --> annotation[Restricted values of sourceType in sourceIndication.] sourceIndication_sourceTypeLabel < --> attribute[@ code] </pre>								
Type	extension of sourceIndication_sourceTypeLabel								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • sourceIndication_sourceTypeLabel • sourceIndication_sourceTypeType 								
Used by	Element sourceIndicationType/sourceType								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>sourceIndication_sourceTypeCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	sourceIndication_sourceTypeCode	required		
QName	Type	Use							
code	sourceIndication_sourceTypeCode	required							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Complex Type statusType

Namespace	http://www.ihc.int/S127/2.0		
Annotations	The condition of an object at a given instant in time.		
Diagram	<pre> classDiagram class statusType { <<Base Type>> } class statusLabel { <<The condition of an object at a given instant in time.>> @ code } statusType < -- statusLabel statusLabel < --> annotation[The condition of an object at a given instant in time.] statusLabel < --> attribute[@ code] </pre>		

Type	extension of statusLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> statusLabel statusType 		
Attributes	QName	Type	Use
	code	CautionArea_statusCode	required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type CautionArea_statusType

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Restricted values of status in CautionArea		
Diagram	<pre> classDiagram CautionArea_statusType < -- CautionAreaStatusLabel CautionAreaStatusLabel < -- ConcentrationOfShippingHazardAreaStatusLabel CautionAreaStatusLabel < -- ConcentrationOfShippingHazardArea_statusLabel CautionAreaStatusLabel < -- Custom_enum_CautionArea_status CautionAreaStatusLabel < -- Attributes CautionAreaStatusLabel < -- code : CautionArea_statusCode </pre>		
Type	extension of CautionAreaStatusLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> CautionAreaStatusLabel CautionArea_statusType 		
Used by	Element	CautionAreaType/status	
Attributes	QName	Type	Use
	code	CautionArea_statusCode	required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type ConcentrationOfShippingHazardArea_statusType

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Restricted values of status in ConcentrationOfShippingHazardArea		
Diagram	<pre> classDiagram ConcentrationOfShippingHazardArea_statusType < -- ConcentrationOfShippingHazardAreaStatusLabel ConcentrationOfShippingHazardAreaStatusLabel < -- ConcentrationOfShippingHazardArea_statusLabel ConcentrationOfShippingHazardAreaStatusLabel < -- Custom_enum_ConcentrationOfShippingHazardArea_status ConcentrationOfShippingHazardAreaStatusLabel < -- Attributes ConcentrationOfShippingHazardAreaStatusLabel < -- code : ConcentrationOfShippingHazardArea_statusCode </pre>		
Type	extension of ConcentrationOfShippingHazardAreaStatusLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> ConcentrationOfShippingHazardAreaStatusLabel ConcentrationOfShippingHazardArea_statusType 		
Used by	Element	ConcentrationOfShippingHazardAreaType/status	
Attributes	QName	Type	Use
	code	ConcentrationOfShippingHazardArea_statusCode	required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type MilitaryPracticeArea_statusType

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Restricted values of status in MilitaryPracticeArea		
Diagram			
Type	extension of MilitaryPracticeAreaStatusLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • MilitaryPracticeAreaStatusLabel • MilitaryPracticeArea_statusType 		
Used by	Element MilitaryPracticeAreaType/status		
Attributes	QName	Type	Use
	code	MilitaryPracticeArea_statusCode	required
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type PilotBoardingPlace_statusType

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Restricted values of status in PilotBoardingPlace		
Diagram			
Type	extension of PilotBoardingPlaceStatusLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • PilotBoardingPlaceStatusLabel • PilotBoardingPlace_statusType 		
Used by	Element PilotBoardingPlaceType/status		
Attributes	QName	Type	Use
	code	PilotBoardingPlace_statusCode	required
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type PiracyRiskArea_statusType

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Restricted values of status in PiracyRiskArea		
Diagram			
Type	extension of PiracyRiskAreaStatusLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • PiracyRiskAreaStatusLabel • PiracyRiskArea_statusType 		
Used by	Element PiracyRiskAreaType/status		
Attributes	QName	Type	Use
	code	PiracyRiskArea_statusCode	required
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Type	extension of PiracyRiskAreaStatusLabel						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • PiracyRiskAreaStatusLabel • PiracyRiskArea_statusType 						
Used by	Element PiracyRiskAreaType/status						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>PiracyRiskArea_statusCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	PiracyRiskArea_statusCode	required
QName	Type	Use					
code	PiracyRiskArea_statusCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type PlaceOfRefugeStatusLabel

Namespace	http://www.ihoint/S127/2.0						
Annotations	Restricted values of status in PlaceOfRefuge						
Diagram	<pre> classDiagram class PlaceOfRefugeStatusLabel { <<extension of PlaceOfRefugeStatusLabel>> <<Custom enum: PlaceOfRefuge/status>> <<@ Attributes>> <<@ code
Type PlaceOfRefuge_statusCode>> } class PlaceOfRefuge_statusLabel { <<Base Type PlaceOfRefugeStatusLabel>> <<Restricted values of status in PlaceOfRefuge>> } PlaceOfRefugeStatusLabel < -- PlaceOfRefuge_statusLabel </pre>						
Type	extension of PlaceOfRefugeStatusLabel						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • PlaceOfRefugeStatusLabel • PlaceOfRefuge_statusType 						
Used by	Element PlaceOfRefugeType/status						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>PlaceOfRefuge_statusCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	PlaceOfRefuge_statusCode	required
QName	Type	Use					
code	PlaceOfRefuge_statusCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type RadarRangeStatusLabel

Namespace	http://www.ihoint/S127/2.0						
Annotations	Restricted values of status in RadarRange						
Diagram	<pre> classDiagram class RadarRangeStatusLabel { <<extension of RadarRangeStatusLabel>> <<Custom enum: RadarRange/status>> <<@ Attributes>> <<@ code
Type RadarRange_statusCode>> } class RadarRange_statusLabel { <<Base Type RadarRangeStatusLabel>> <<Restricted values of status in RadarRange>> } RadarRangeStatusLabel < -- RadarRange_statusLabel </pre>						
Type	extension of RadarRangeStatusLabel						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • RadarRangeStatusLabel • RadarRange_statusType 						
Used by	Element RadarRangeType/status						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>RadarRange_statusCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	RadarRange_statusCode	required
QName	Type	Use					
code	RadarRange_statusCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type RadioCallingInPoint_statusType

Namespace	http://www.oho.int/S127/2.0								
Annotations	Restricted values of status in RadioCallingInPoint								
Diagram									
Type	extension of RadioCallingInPointStatusLabel								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • RadioCallingInPointStatusLabel • RadioCallingInPoint_statusType 								
Used by	Element RadioCallingInPointType/status								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>RadioCallingInPoint_statusCode</td> <td>required</td> </tr> </tbody> </table>			QName	Type	Use	code	RadioCallingInPoint_statusCode	required
QName	Type	Use							
code	RadioCallingInPoint_statusCode	required							
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Complex Type RestrictedArea_statusType

Namespace	http://www.oho.int/S127/2.0								
Annotations	Restricted values of status in RestrictedArea								
Diagram									
Type	extension of RestrictedAreaStatusLabel								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • RestrictedAreaStatusLabel • RestrictedArea_statusType 								
Used by	Element RestrictedAreaType/status								
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							
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Complex Type SignalStationWarning_statusType

Namespace	http://www.oho.int/S127/2.0		
Annotations	Restricted values of status in SignalStationWarning		
Diagram			

Type	extension of SignalStationWarningStatusLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string SignalStationWarningStatusLabel SignalStationWarning_statusType 		
Used by	Element SignalStationWarningType/status		
Attributes	QName	Type	Use
	code	SignalStationWarning_statusCode	required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type SignalStationTraffic_statusType

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Restricted values of status in SignalStationTraffic		
Diagram	<pre> classDiagram class SignalStationTraffic_statusType { <<Base Type>> SignalStationTrafficStatusLabel } class SignalStationTrafficStatusLabel { <<Restricted values of status in SignalStationTraffic>> @code : SignalStationTraffic_statusCode } SignalStationTraffic_statusType "1" -- "1" SignalStationTrafficStatusLabel SignalStationTrafficStatusLabel "1" -- "1" "Restricted values of status in SignalStationTraffic" SignalStationTrafficStatusLabel "1" -- "1" code code "1" -- "1" "Type: SignalStationTraffic_statusCode" </pre>		
Type	extension of SignalStationTrafficStatusLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string SignalStationTrafficStatusLabel SignalStationTraffic_statusType 		
Used by	Element SignalStationTrafficType/status		
Attributes	QName	Type	Use
	code	SignalStationTraffic_statusCode	required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type WaterwayArea_statusType

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Restricted values of status in WaterwayArea		
Diagram	<pre> classDiagram class WaterwayArea_statusType { <<Base Type>> WaterwayAreaStatusLabel } class WaterwayAreaStatusLabel { <<Restricted values of status in WaterwayArea>> @code : WaterwayArea_statusCode } WaterwayArea_statusType "1" -- "1" WaterwayAreaStatusLabel WaterwayAreaStatusLabel "1" -- "1" "Restricted values of status in WaterwayArea" WaterwayAreaStatusLabel "1" -- "1" code code "1" -- "1" "Type: WaterwayArea_statusCode" </pre>		
Type	extension of WaterwayAreaStatusLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string WaterwayAreaStatusLabel WaterwayArea_statusType 		
Used by	Element WaterwayAreaType/status		
Attributes	QName	Type	Use
	code	WaterwayArea_statusCode	required

Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd
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Complex Type telecommunicationServiceType

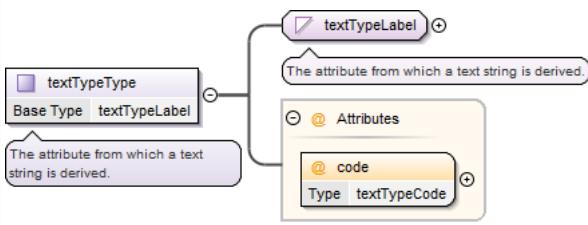
Namespace	http://www.ihc.int/S127/2.0		
Annotations	Classification of methods of communication over a distance by electrical, electronic, or electromagnetic means.		
Diagram	<pre> classDiagram class telecommunicationServiceType { <<Classification of methods of communication over a distance by electrical, electronic, or electromagnetic means.>> @ code } telecommunicationServiceType < -- telecommunicationServiceLabel note over telecommunicationServiceType: Classification of methods of communication over a distance by electrical, electronic, or electromagnetic means. note over @ code: Type telecommunicationServiceCode </pre>		
Type	extension of telecommunicationServiceLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string • telecommunicationServiceLabel • telecommunicationServiceType 		
Attributes	QName	Type	Use
	code	telecommunicationServiceCode	required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type telecommunications_telecommunicationServiceType

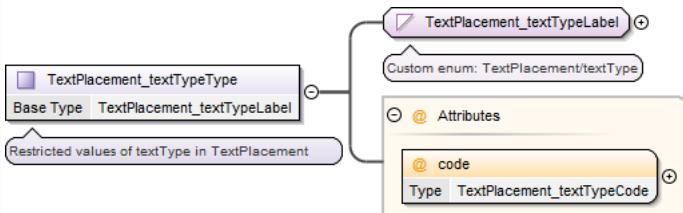
Namespace	http://www.ihc.int/S127/2.0		
Annotations	Restricted values of telecommunicationService in telecommunications		
Diagram	<pre> classDiagram class telecommunications_telecommunicationServiceType { <<Restricted values of telecommunicationService in telecommunications>> @ code } telecommunications_telecommunicationServiceType < -- telecommunications_telecommunication ... note over telecommunications_telecommunicationServiceType: Restricted values of telecommunicationService in telecommunications note over @ code: Type telecommunications_telecommunication ... </pre>		
Type	extension of telecommunications_telecommunicationServiceLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string • telecommunications_telecommunicationServiceLabel • telecommunications_telecommunicationServiceType 		
Used by	Element telecommunicationsType/telecommunicationService		
Attributes	QName	Type	Use
	code	telecommunications_telecommunicationServiceCode	required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type textTypeType

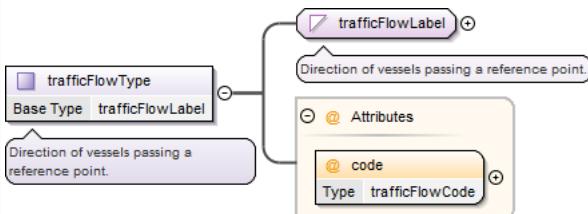
Namespace	http://www.ihc.int/S127/2.0		
Annotations	The attribute from which a text string is derived.		

Diagram							
Type	extension of textTypeLabel						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • textTypeLabel • textTypeType 						
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					
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type TextPlacement_textTypeType

Namespace	http://www.ihoint/S127/2.0								
Annotations	Restricted values of textType in TextPlacement								
Diagram									
Type	extension of TextPlacement_textTypeLabel								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • TextPlacement_textTypeLabel • TextPlacement_textTypeType 								
Used by	Element TextPlacementType/textType								
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							
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Complex Type trafficFlowType

Namespace	http://www.ihoint/S127/2.0		
Annotations	Direction of vessels passing a reference point.		
Diagram			
Type	extension of trafficFlowLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • trafficFlowLabel • trafficFlowType 		

Attributes	QName	Type	Use	
	code	trafficFlowCode	required	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd			

Complex Type RadioCallingInPoint_trafficFlowType

Namespace	http://www.ihc.int/S127/2.0			
Annotations	Restricted values of trafficFlow in RadioCallingInPoint			
Diagram	<pre> classDiagram class RadioCallingInPoint_trafficFlowType { <<RadioCallingInPoint_trafficFlowType>> <<Base Type RadioCallingInPoint_trafficFlowLabel>> <<Restricted values of trafficFlow in RadioCallingInPoint>> } class RadioCallingInPoint_trafficFlowLabel { <<RadioCallingInPoint_trafficFlowLabel>> <<Custom enum: RadioCallingInPoint/trafficFlow>> <<@ Attributes>> <<@ code>> <<Type RadioCallingInPoint_trafficFlowCode>> } RadioCallingInPoint_trafficFlowType < -- RadioCallingInPoint_trafficFlowLabel </pre>			
Type	extension of RadioCallingInPoint_trafficFlowLabel			
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • RadioCallingInPoint_trafficFlowLabel • RadioCallingInPoint_trafficFlowType 			
Used by	Element RadioCallingInPointType/trafficFlow			
Attributes	QName	Type	Use	
	code	RadioCallingInPoint_trafficFlowCode	required	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd			

Complex Type vesselsCharacteristicsType

Namespace	http://www.ihc.int/S127/2.0			
Annotations	Characteristics of vessels.			
Diagram	<pre> classDiagram class vesselsCharacteristicsType { <<vesselsCharacteristicsType>> <<Base Type vesselsCharacteristicsLabel>> <<Characteristics of vessels.>> } class vesselsCharacteristicsLabel { <<vesselsCharacteristicsLabel>> <<Characteristics of vessels.>> <<@ Attributes>> <<@ code>> <<Type vesselsCharacteristicsCode>> } vesselsCharacteristicsType < -- vesselsCharacteristicsLabel </pre>			
Type	extension of vesselsCharacteristicsLabel			
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • vesselsCharacteristicsLabel • vesselsCharacteristicsType 			
Attributes	QName	Type	Use	
	code	vesselsCharacteristicsCode	required	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd			

Complex Type vesselMeasurementsSpecification_vesselsCharacteristicsType

Namespace	http://www.ihc.int/S127/2.0			
Annotations	Restricted values of vesselsCharacteristics in vesselMeasurementsSpecification			

Diagram	A UML class diagram showing the definition of the complex type 'vesselMeasurementsSpecification_vesselsCharacteristicsType'. It is a base type for 'vesselMeasurementsSpecification_vesselsCharacteristicsLabel'. Both share the same restricted values. 'vesselMeasurementsSpecification_vesselsCharacteristicsType' has an attribute '@code' of type 'vesselMeasurementsSpecification_vess...'. A note indicates that the restricted values are shared between the two types.						
Type	extension of vesselMeasurementsSpecification_vesselsCharacteristicsLabel						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • vesselMeasurementsSpecification_vesselsCharacteristicsLabel • vesselMeasurementsSpecification_vesselsCharacteristicsType 						
Used by	Element vesselMeasurementsSpecificationType/vesselsCharacteristics						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>vesselMeasurementsSpecification_vesselsCharacteristicsCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	vesselMeasurementsSpecification_vesselsCharacteristicsCode	required
QName	Type	Use					
code	vesselMeasurementsSpecification_vesselsCharacteristicsCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type vesselsCharacteristicsUnitType

Namespace	http://www.ihc.int/S127/2.0						
Annotations	The unit used for vessel characteristics attribute.						
Diagram	A UML class diagram showing the definition of the complex type 'vesselsCharacteristicsUnitType'. It is a base type for 'vesselsCharacteristicsUnitLabel'. Both share the same restricted values. 'vesselsCharacteristicsUnitType' has an attribute '@code' of type 'vesselsCharacteristicsUnitCode'.						
Type	extension of vesselsCharacteristicsUnitLabel						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • vesselsCharacteristicsUnitLabel • vesselsCharacteristicsUnitType 						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>vesselsCharacteristicsUnitCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	vesselsCharacteristicsUnitCode	required
QName	Type	Use					
code	vesselsCharacteristicsUnitCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type vesselMeasurementsSpecification_vesselsCharacteristicsUnitType

Namespace	http://www.ihc.int/S127/2.0
Annotations	Restricted values of vesselsCharacteristicsUnit in vesselMeasurementsSpecification
Diagram	A UML class diagram showing the definition of the complex type 'vesselMeasurementsSpecification_vesselsCharacteristicsUnitType'. It is a base type for 'vesselMeasurementsSpecification_vesselsCharacteristicsUnitLabel'. Both share the same restricted values. 'vesselMeasurementsSpecification_vesselsCharacteristicsUnitType' has an attribute '@code' of type 'vesselMeasurementsSpecification_vess...'. A note indicates that the restricted values are shared between the two types.
Type	extension of vesselMeasurementsSpecification_vesselsCharacteristicsUnitLabel
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • vesselMeasurementsSpecification_vesselsCharacteristicsUnitLabel • vesselMeasurementsSpecification_vesselsCharacteristicsUnitType

Used by	Element vesselMeasurementsSpecificationType/vesselsCharacteristicsUnit		
Attributes	QName code	Type vesselMeasurementsSpecification_vesselsCharacteristicsUnitCode	Use required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type waterLevelTrendType

Namespace	http://www.ihc.int/S127/2.0		
Annotations	The tendency of water level to change in a particular direction.		
Diagram	<pre> classDiagram class waterLevelTrendType { <<waterLevelTrendLabel>> @code : waterLevelTrendCode } waterLevelTrendType < -- waterLevelTrendLabel waterLevelTrendLabel <<The tendency of water level to change in a particular direction.>> @code <<@ code>> @code : waterLevelTrendCode </pre>		
Type	extension of waterLevelTrendLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • waterLevelTrendLabel • waterLevelTrendType 		
Attributes	QName code	Type waterLevelTrendCode	Use required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type UnderKeelClearanceAllowanceArea_waterLevelTrendType

Namespace	http://www.ihc.int/S127/2.0		
Annotations	Restricted values of waterLevelTrend in UnderKeelClearanceAllowanceArea		
Diagram	<pre> classDiagram class UnderKeelClearanceAllowanceArea_waterLevelTrendType { <<UnderKeelClearanceAllowanceArea_waterLevelTrendLabel>> @code : UnderKeelClearanceAllowanceArea_waterLevelTrendCode } UnderKeelClearanceAllowanceArea_waterLevelTrendType < -- UnderKeelClearanceAllowanceArea_waterLevelTrendLabel UnderKeelClearanceAllowanceArea_waterLevelTrendLabel <<Custom enum: UnderKeelClearanceAllowanceArea/waterLevelTrend>> @code <<@ code>> @code : UnderKeelClearanceAllowanceArea_waterLevelTrendCode </pre>		
Type	extension of UnderKeelClearanceAllowanceArea_waterLevelTrendLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • UnderKeelClearanceAllowanceArea_waterLevelTrendLabel • UnderKeelClearanceAllowanceArea_waterLevelTrendType 		
Used by	Element UnderKeelClearanceAllowanceAreaType/waterLevelTrend		
Attributes	QName code	Type UnderKeelClearanceAllowanceArea_waterLevelTrendCode	Use required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type actionOrActivityType

Namespace	http://www.ihc.int/S127/2.0		
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Annotations	The action or activity of a vessel.																				
Diagram	<pre> classDiagram class actionOrActivityLabel_Union { <<Union type for labels corresponding to extra codelist values.>> } class actionOrActivityType { <<The action or activity of a vessel.>> } actionOrActivityType --> actionOrActivityLabel_Union actionOrActivityLabel_Union < -- actionOrActivityLabel actionOrActivityLabel_Union < -- actionOrActivityType actionOrActivityLabel { <<Attributes>> @code : actionOrActivityCode @codelistType : codelistTypeType @otherValue : extraValueType } </pre>																				
Type	extension of actionOrActivityLabel_Union																				
Type hierarchy	<ul style="list-style-type: none"> xs:anySimpleType <ul style="list-style-type: none"> actionOrActivityLabel_Union actionOrActivityType 																				
Used by	Element rxNCodeType/actionOrActivity																				
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></td> <td colspan="2">Only if an "extra" value is encoded</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																			
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																				

Complex Type rxNCode_actionOrActivityType

Namespace	http://www.ihc.int/S127/2.0						
Annotations	Restricted values of actionOrActivity in rxNCode						
Diagram	<pre> classDiagram class rxNCode_actionOrActivityLabel { <<Restricted values of rxNCode/actionOrActivity>> } class rxNCode_actionOrActivityType { <<Restricted values of actionOrActivity in rxNCode>> } rxNCode_actionOrActivityType --> rxNCode_actionOrActivityLabel rxNCode_actionOrActivityLabel < -- rxNCode_actionOrActivityType rxNCode_actionOrActivityLabel { <<Attributes>> @code : rxNCode_actionOrActivityCode } </pre>						
Type	extension of rxNCode_actionOrActivityLabel						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> rxNCode_actionOrActivityLabel rxNCode_actionOrActivityType 						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>rxNCode_actionOrActivityCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	rxNCode_actionOrActivityCode	required
QName	Type	Use					
code	rxNCode_actionOrActivityCode	required					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type categoryOfRxNType

Namespace	http://www.ihc.int/S127/2.0
Annotations	The principal subject matter of regulations, restrictions, recommendations or nautical information.

Diagram	<pre> classDiagram categoryOfRxNLabel_Union < -- categoryOfRxNType categoryOfRxNLabel_Union { @ Attributes @ code : categoryOfRxNCode @ codelistType : codelistTypeType @ otherValue : extraValueType } categoryOfRxNLabel_Union --> "3" Union type for labels corresponding to extra codelist values. categoryOfRxNLabel_Union --> Only if an "extra" value is encoded </pre>																				
Type	extension of categoryOfRxNLabel_Union																				
Type hierarchy	<ul style="list-style-type: none"> xs:anySimpleType <ul style="list-style-type: none"> categoryOfRxNLabel_Union categoryOfRxNType 																				
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></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																				
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																				

Complex Type rxNCode_categoryOfRxNType

Namespace	http://www.ihc.int/S127/2.0						
Annotations	Restricted values of categoryOfRxN in rxNCode						
Diagram	<pre> classDiagram rxNCode_categoryOfRxNLabel < -- rxNCode_categoryOfRxNType rxNCode_categoryOfRxNLabel { @ Attributes @ code : rxNCode_categoryOfRxNCode } rxNCode_categoryOfRxNLabel --> Restricted values of rxNCode/categoryOfRxN </pre>						
Type	extension of rxNCode_categoryOfRxNLabel						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> rxNCode_categoryOfRxNLabel rxNCode_categoryOfRxNType 						
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					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type categoryOfVesselType

Namespace	http://www.ihc.int/S127/2.0
Annotations	Classification of vessels by function or use.

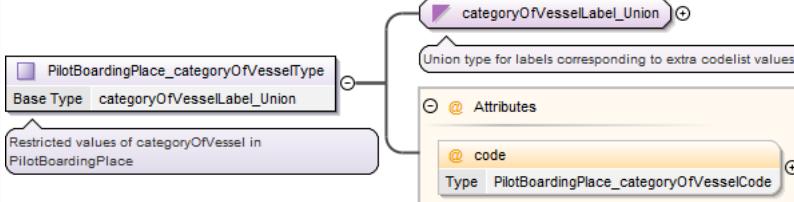
Diagram	<pre> classDiagram categoryOfVesselType "Base Type" --> categoryOfVesselLabel_Union categoryOfVesselLabel_Union { <<Union type for labels corresponding to extra codelist values.>> <<Only if an "extra" value is encoded>> <<Classification of vessels by function or use.>> <<Attributes>> @code : categoryOfVesselCode @codelistType : codelistTypeType @otherValue : extraValueType } </pre>																									
Type	extension of categoryOfVesselLabel_Union																									
Type hierarchy	<ul style="list-style-type: none"> • xs:anySimpleType <ul style="list-style-type: none"> • categoryOfVesselLabel_Union • categoryOfVesselType 																									
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>categoryOfVesselCode</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> <tr> <td>otherValue</td><td>extraValueType</td><td></td><td>optional</td><td></td></tr> <tr> <td colspan="5">Only if an "extra" value is encoded</td></tr> </tbody> </table>	QName	Type	Fixed	Use		code	categoryOfVesselCode		optional		codelistType	codelistTypeType	openEnumeration	optional		otherValue	extraValueType		optional		Only if an "extra" value is encoded				
QName	Type	Fixed	Use																							
code	categoryOfVesselCode		optional																							
codelistType	codelistTypeType	openEnumeration	optional																							
otherValue	extraValueType		optional																							
Only if an "extra" value is encoded																										
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd																									

Complex Type Applicability_categoryOfVesselType

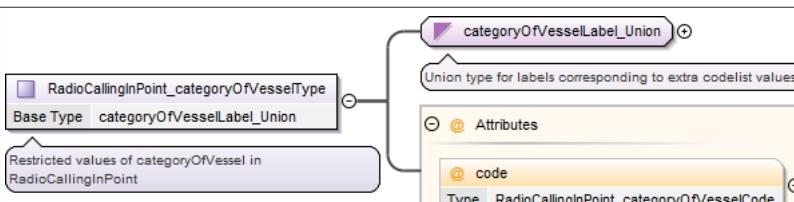
Namespace	http://www.ihoint/S127/2.0											
Annotations	Restricted values of categoryOfVessel in Applicability											
Diagram	<pre> classDiagram Applicability_categoryOfVesselType "Base Type" --> categoryOfVesselLabel_Union categoryOfVesselLabel_Union { <<Union type for labels corresponding to extra codelist values.>> <<Only if an "extra" value is encoded>> <<Restricted values of categoryOfVessel in Applicability>> <<Attributes>> @code : Applicability_categoryOfVesselCode } </pre>											
Type	extension of categoryOfVesselLabel_Union											
Type hierarchy	<ul style="list-style-type: none"> • xs:anySimpleType <ul style="list-style-type: none"> • categoryOfVesselLabel_Union • Applicability_categoryOfVesselType 											
Used by	Element ApplicabilityType/categoryOfVessel											
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>Applicability_categoryOfVesselCode</td><td>optional</td><td></td></tr> </tbody> </table>				QName	Type	Use		code	Applicability_categoryOfVesselCode	optional	
QName	Type	Use										
code	Applicability_categoryOfVesselCode	optional										
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd											

Complex Type PilotBoardingPlace_categoryOfVesselType

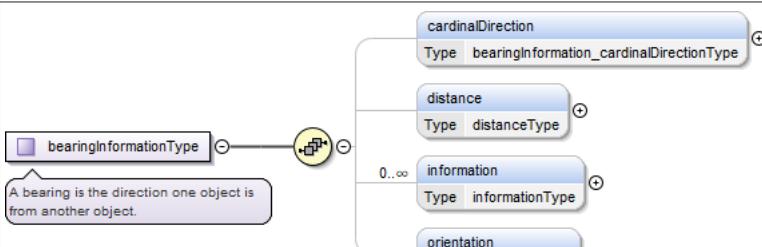
Namespace	http://www.ihoint/S127/2.0			
Annotations	Restricted values of categoryOfVessel in PilotBoardingPlace			

Diagram							
Type	extension of categoryOfVesselLabel_Union						
Type hierarchy	<ul style="list-style-type: none"> • xs:anySimpleType <ul style="list-style-type: none"> • categoryOfVesselLabel_Union • PilotBoardingPlace_categoryOfVesselType 						
Used by	Element PilotBoardingPlaceType/categoryOfVessel						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>code</td><td>PilotBoardingPlace_category-OfVesselCode</td><td>optional</td></tr> </tbody> </table>	QName	Type	Use	code	PilotBoardingPlace_category-OfVesselCode	optional
QName	Type	Use					
code	PilotBoardingPlace_category-OfVesselCode	optional					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type RadioCallingInPoint_categoryOfVesselType

Namespace	http://www.ihc.int/S127/2.0						
Annotations	Restricted values of categoryOfVessel in RadioCallingInPoint						
Diagram							
Type	extension of categoryOfVesselLabel_Union						
Type hierarchy	<ul style="list-style-type: none"> • xs:anySimpleType <ul style="list-style-type: none"> • categoryOfVesselLabel_Union • RadioCallingInPoint_categoryOfVesselType 						
Used by	Element RadioCallingInPointType/categoryOfVessel						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>code</td><td>RadioCallingInPoint_category-OfVesselCode</td><td>optional</td></tr> </tbody> </table>	QName	Type	Use	code	RadioCallingInPoint_category-OfVesselCode	optional
QName	Type	Use					
code	RadioCallingInPoint_category-OfVesselCode	optional					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type bearingInformationType

Namespace	http://www.ihc.int/S127/2.0
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}	
Children	cardinalDirection, distance, information, orientation	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Complex Type informationType

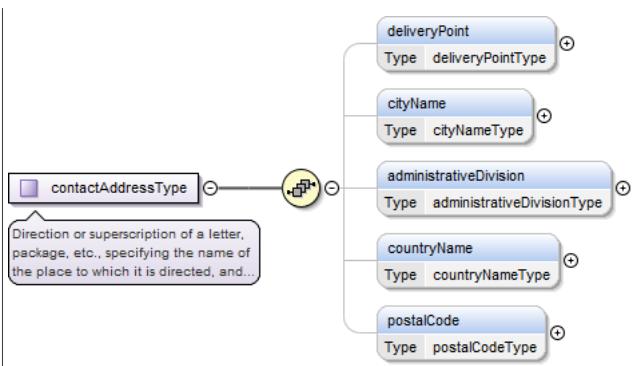
Namespace	http://www.ihodata.org/S127/2.0	
Annotations	Textual information about the feature. The information may be provided as a string of text or as a file name of a single external text file that contains the text.	
Diagram	<pre> classDiagram class informationType class fileLocator { <<fileLocatorType>> } class fileReference { <<fileReferenceType>> } class headline { <<headlineType>> } class language { <<languageType>> } informationType "0..oo" --> fileLocator informationType "0..oo" --> fileReference informationType --> headline informationType --> language </pre>	
Used by	Elements	
	ApplicabilityType/information, ContactDetailsType/information, NonStandardWorkingDayType/information, QualityOfNonBathymetricDataType/information, ServiceHoursType/information, bearingInformationType/information, textContentType/information	
Model	fileLocator{0,1} , fileReference{0,1} , headline* , language{0,1} , text{0,1}	
Children	fileLocator, fileReference, headline, language	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Complex Type orientationType

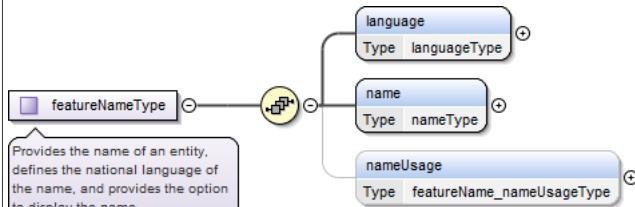
Namespace	http://www.ihodata.org/S127/2.0	
Annotations	(1) The angular distance measured from true north to the major axis of the feature. (2) In ECDIS, the mode in which information on the ECDIS is being presented. Typical modes include: north-up - as shown on a nautical chart, north is at the top of 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	<pre> classDiagram class orientationType class orientationUncertainty { <<orientationUncertaintyType>> } class orientationValue { <<orientationValueType>> } orientationType --> orientationUncertainty orientationType --> orientationValue </pre>	
Used by	Element	
	bearingInformationType/orientation	
Model	orientationUncertainty{0,1} , orientationValue	
Children	orientationUncertainty, orientationValue	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Complex Type contactAddressType

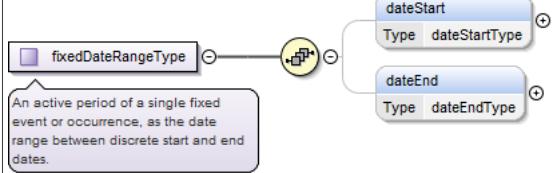
Namespace	http://www.ihodata.org/S127/2.0	
Annotations	Direction or superscription of a letter, package, etc., specifying the name of the place to which it is directed, and optionally a contact person or organisation who should receive it.	

Diagram	
Used by	Element ContactDetailsType/contactAddress
Model	deliveryPoint{0,1} , cityName{0,1} , administrativeDivision{0,1} , countryName{0,1} , postalCode{0,1}
Children	administrativeDivision, cityName, countryName, deliveryPoint, postalCode
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Complex Type featureNameType

Namespace	http://www.ihc.int/S127/2.0
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}
Children	language, name, nameUsage
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Complex Type fixedDateRangeType

Namespace	http://www.ihc.int/S127/2.0
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}
Children	dateEnd, dateStart
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Complex Type frequencyPairType

Namespace	http://www.ihc.int/S127/2.0
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Annotations	A pair of frequencies for transmitting and receiving radio signals. The shore station transmits and receives on the frequencies indicated.
Diagram	<pre> classDiagram class frequencyPairType class frequencyShoreStationReceives { <<Type frequencyShoreStationReceivesType>> } class frequencyShoreStationTransmits { <<Type frequencyShoreStationTransmitsType>> } frequencyPairType "1..>" frequencyShoreStationReceives frequencyPairType "1..>" frequencyShoreStationTransmits </pre>
Used by	Element ContactDetailsType/frequencyPair
Model	frequencyShoreStationReceives{0,1} , frequencyShoreStationTransmits
Children	frequencyShoreStationReceives, frequencyShoreStationTransmits
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Complex Type graphicType

Namespace	http://www.ihodata.org/S127/2.0
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	<pre> classDiagram class graphicType class pictorialRepresentation { <<Type pictorialRepresentationType>> } class pictureCaption { <<Type pictureCaptionType>> } class sourceDate { <<Type sourceDateType>> } class pictureInformation { <<Type pictureInformationType>> } class bearingInformation { <<Type bearingInformationType>> } graphicType "1..>" pictorialRepresentation graphicType "1..>" pictureCaption graphicType "1..>" sourceDate graphicType "1..>" pictureInformation graphicType "1..>" bearingInformation </pre>
Used by	Element InformationTypeType/graphic
Model	pictorialRepresentation+, pictureCaption{0,1} , sourceDate{0,1} , pictureInformation{0,1} , bearingInformation{0,1}
Children	bearingInformation, pictorialRepresentation, pictureCaption, pictureInformation, sourceDate
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Complex Type horizontalPositionUncertaintyType

Namespace	http://www.ihodata.org/S127/2.0
Annotations	The best estimate of the accuracy of a position.
Diagram	<pre> classDiagram class horizontalPositionUncertaintyType class uncertaintyFixed { <<Type uncertaintyFixedType>> } class uncertaintyVariableFactor { <<Type uncertaintyVariableFactorType>> } horizontalPositionUncertaintyType "1..>" uncertaintyFixed horizontalPositionUncertaintyType "1..>" uncertaintyVariableFactor </pre>
Used by	Elements QualityOfNonBathymetricDataType/horizontalPositionUncertainty, spatialAccuracyType/horizontalPositionUncertainty
Model	uncertaintyFixed , uncertaintyVariableFactor{0,1}
Children	uncertaintyFixed, uncertaintyVariableFactor
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Complex Type noticeTimeType

Namespace	http://www.ihodata.org/S127/2.0
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Annotations	Span of time, prior to the time the service is needed, for preparations to be made to fulfill the requirement.
Diagram	<pre> classDiagram class noticeTimeType class noticeTimeHours { <<noticeTimeHoursType>> } class noticeTimeText { <<noticeTimeTextType>> } class operation { <<noticeTime_operationType>> } noticeTimeType "0..oo" --> noticeTimeHours noticeTimeType "0..1" --> noticeTimeText noticeTimeType "0..1" --> operation </pre>
Used by	Elements PilotServiceType/noticeTime, ShipReportType/noticeTime
Model	noticeTimeHours*, noticeTimeText{0,1}, operation{0,1}
Children	noticeTimeHours, noticeTimeText, operation
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Complex Type onlineResourceType

Namespace	http://www.ihc.int/S127/2.0
Annotations	Information about online sources from which a resource or data can be obtained.
Diagram	<pre> classDiagram class onlineResourceType class linkage { <<linkageType>> } class protocol { <<protoType>> } class applicationProfile { <<applicationProfileType>> } class nameOfResource { <<nameOfResourceType>> } class onlineResourceDescription { <<onlineResourceDescriptionType>> } class onlineFunction { <<onlineResource_onlineFunctionType>> } class protocolRequest { <<protocolRequestType>> } onlineResourceType "0..1" --> linkage onlineResourceType "0..1" --> protocol onlineResourceType "0..1" --> applicationProfile onlineResourceType "0..1" --> nameOfResource onlineResourceType "0..1" --> onlineResourceDescription onlineResourceType "0..1" --> onlineFunction onlineResourceType "0..1" --> protocolRequest </pre>
Used by	Elements ContactDetailsType/onlineResource, textContentType/onlineResource
Model	linkage, protocol{0,1}, applicationProfile{0,1}, nameOfResource{0,1}, onlineResourceDescription{0,1}, onlineFunction{0,1}, protocolRequest{0,1}
Children	applicationProfile, linkage, nameOfResource, onlineFunction, onlineResourceDescription, protocol, protocolRequest
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Complex Type periodicDateRangeType

Namespace	http://www.ihc.int/S127/2.0
Annotations	The active period of a recurring event or occurrence.
Diagram	<pre> classDiagram class periodicDateRangeType class dateStart { <<dateStartType>> } class dateEnd { <<dateEndType>> } periodicDateRangeType "0..1" --> dateStart periodicDateRangeType "0..1" --> dateEnd </pre>
Used by	Elements FeatureTypeType/periodicDateRange, InformationTypeType/periodicDateRange
Model	dateStart, dateEnd
Children	dateEnd, dateStart
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Complex Type rxNCodeType

Namespace	http://www.ihc.int/S127/2.0
Annotations	A summary of the impact of the most common types of regulation, restriction, recommendation and nautical information on a vessel.
Diagram	<pre> classDiagram rxNCodeType < -- AbstractRxNType rxNCodeType --> categoryOfRxN : 0..oo rxNCodeType --> actionOrActivity : 0..oo rxNCodeType --> headline : 0..oo </pre>
Used by	Element AbstractRxNType/rxNCode
Model	categoryOfRxN{0,1}, actionOrActivity{0,1}, headline*
Children	actionOrActivity, categoryOfRxN, headline
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Complex Type scheduleByDayOfWeekType

Namespace	http://www.ihc.int/S127/2.0
Annotations	The nature and timings of a daily schedule by days of the week.
Diagram	<pre> classDiagram scheduleByDayOfWeekType < -- ServiceHoursType scheduleByDayOfWeekType --> categoryOfSchedule : 1..oo scheduleByDayOfWeekType --> text : 1..oo scheduleByDayOfWeekType --> timeIntervalsByDayOfWeek : 1..oo </pre>
Used by	Element ServiceHoursType/scheduleByDayOfWeek
Model	categoryOfSchedule{0,1}, text{0,1}, timeIntervalsByDayOfWeek+
Children	categoryOfSchedule, text, timeIntervalsByDayOfWeek
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Complex Type timeIntervalsByDayOfWeekType

Namespace	http://www.ihc.int/S127/2.0
Annotations	The regular weekly operation times of a service or schedule.
Diagram	<pre> classDiagram timeIntervalsByDayOfWeekType < -- scheduleByDayOfWeekType timeIntervalsByDayOfWeekType --> dayOfWeek : 0..7 timeIntervalsByDayOfWeekType --> dayOfWeekIsRange : 0..oo timeIntervalsByDayOfWeekType --> timeOfDayStart : 0..oo timeIntervalsByDayOfWeekType --> timeOfDayEnd : 0..oo </pre>
Used by	Element scheduleByDayOfWeekType/timeIntervalsByDayOfWeek
Model	dayOfWeek{0,7}, dayOfWeekIsRange{0,1}, timeOfDayStart*, timeOfDayEnd*
Children	dayOfWeek, dayOfWeekIsRange, timeOfDayEnd, timeOfDayStart
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Complex Type sourceIndicationType

Namespace	http://www.ihc.int/S127/2.0
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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> graph LR A[sourceIndicationType] --> B(()) B --> C[categoryOfAuthority Type sourceIndication_categoryOfAuthorityType] B --> D[countryName Type countryNameType] B --> E[source Type sourceType] B --> F[sourceType Type sourceIndication_sourceTypeType] B --> G[featureName Type featureNameType] </pre>
Used by	Elements FeatureTypeType/sourceIndication, InformationTypeType/sourceIndication, QualityOfNonBathymetric-DataType/sourceIndication, textContentType/sourceIndication
Model	categoryOfAuthority{0,1} , countryName{0,1} , source{0,1} , sourceType{0,1} , reportedDate{0,1} , featureName*
Children	categoryOfAuthority, countryName, featureName, reportedDate, source, sourceType
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Complex Type surveyDateRangeType

Namespace	http://www.ihodata.org/S127/2.0
Annotations	The complex attribute describes the period of the hydrographic survey, as the time between its sub-attributes.
Diagram	<pre> graph LR A[surveyDateRangeType] --> B(()) B --> C[dateStart Type dateStartType] B --> D[dateEnd Type dateEndType] </pre>
Used by	Element QualityOfNonBathymetricDataType/surveyDateRange
Model	dateStart{0,1} , dateEnd
Children	dateEnd, dateStart
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Complex Type spatialAccuracyType

Namespace	http://www.ihodata.org/S127/2.0
Annotations	Provides an indication of the vertical and horizontal positional uncertainty of bathymetric data, optionally within a specified date range.
Diagram	<pre> graph LR A[spatialAccuracyType] --> B(()) B --> C[fixedDateRange Type fixedDateRangeType] B --> D[horizontalPositionUncertainty Type horizontalPositionUncertaintyType] </pre>
Used by	Element SpatialQualityType/spatialAccuracy
Model	fixedDateRange{0,1} , horizontalPositionUncertainty{0,1}
Children	fixedDateRange, horizontalPositionUncertainty
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Complex Type `telecommunicationsType`

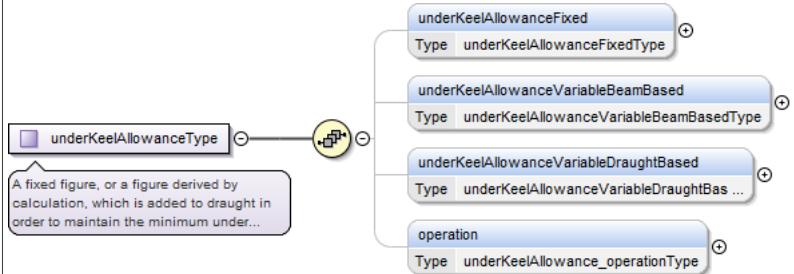
Namespace	http://www.ihc.int/S127/2.0
Annotations	A means or channel of communicating at a distance by electrical or electromagnetic means such as telegraphy, telephony, or broadcasting.
Diagram	<pre> classDiagram class telecommunicationsType { <<A means or channel of communicating at a distance by electrical or electromagnetic means such as telegraphy, telephony,...>> } class categoryOfCommunicationPreference { <<Type telecommunications_categoryOfCommu ...>> } class telecommunicationIdentifier { <<Type telecommunicationIdentifierType>> } class telecommunicationCarrier { <<Type telecommunicationCarrierType>> } class contactInstructions { <<Type contactInstructionsType>> } class telecommunicationService { <<Type telecommunications_telecommunicatio ...>> } telecommunicationsType < -- categoryOfCommunicationPreference telecommunicationsType < -- telecommunicationIdentifier telecommunicationsType < -- telecommunicationCarrier telecommunicationsType < -- contactInstructions telecommunicationsType < -- telecommunicationService </pre>
Used by	Element ContactDetailsType/telecommunications
Model	categoryOfCommunicationPreference{0,1} , telecommunicationIdentifier , telecommunicationCarrier{0,1} , contactInstructions{0,1} , telecommunicationService*
Children	categoryOfCommunicationPreference, contactInstructions, telecommunicationCarrier, telecommunicationIdentifier, telecommunicationService
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Complex Type `textContentType`

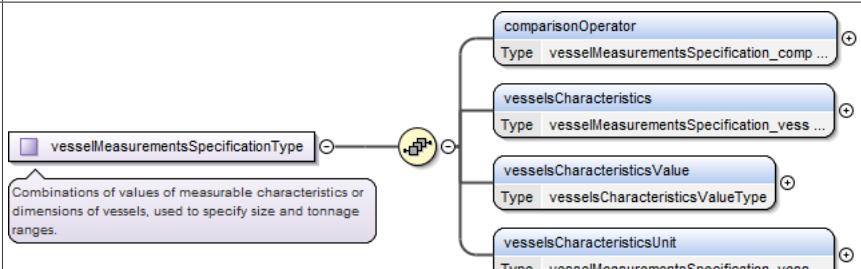
Namespace	http://www.ihc.int/S127/2.0
Annotations	Textual material, or a pointer to a resource providing textual material. May be accompanied by basic information about its source and relationship to the source.
Diagram	<pre> classDiagram class textContentType { <<Textual material, or a pointer to a resource providing textual material. May be accompanied by basic information about...>> } class categoryOfText { <<Type textContent_categoryOfTextType>> } class information { <<Type informationType>> } class onlineResource { <<Type onlineResourceType>> } class sourceIndication { <<Type sourceIndicationType>> } textContentType < -- categoryOfText textContentType < -- information textContentType < -- onlineResource textContentType < -- sourceIndication </pre>
Used by	Elements AbstractRxNType/textContent, AuthorityType/textContent, FeatureTypeType/textContent, ShipReportType/textContent
Model	categoryOfText{0,1} , information* , onlineResource{0,1} , sourceIndication*
Children	categoryOfText, information, onlineResource, sourceIndication
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Complex Type `underKeelAllowanceType`

Namespace	http://www.ihc.int/S127/2.0
Annotations	A fixed figure, or a figure derived by calculation, which is added to draught in order to maintain the minimum under keel clearance taking into account the vessel's static and dynamic characteristics, sea state and weather forecast, the reliability of the chart and variance from predicted height of tide or water level.

Diagram	
Used by	Element UnderKeelClearanceAllowanceAreaType/underKeelAllowance
Model	underKeelAllowanceFixed{0,1} , underKeelAllowanceVariableBeamBased{0,1} , underKeelAllowanceVariableDraught-Based{0,1} , operation{0,1}
Children	operation, underKeelAllowanceFixed, underKeelAllowanceVariableBeamBased, underKeelAllowanceVariableDraughtBased
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Complex Type vesselMeasurementsSpecificationType

Namespace	http://www.ihoint/S127/2.0
Annotations	Combinations of values of measurable characteristics or dimensions of vessels, used to specify size and tonnage ranges.
Diagram	
Used by	Element ApplicabilityType/vesselMeasurementsSpecification
Model	comparisonOperator , vesselsCharacteristics , vesselsCharacteristicsValue , vesselsCharacteristicsUnit
Children	comparisonOperator, vesselsCharacteristics, vesselsCharacteristicsUnit, vesselsCharacteristicsValue
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Complex Type InformationTypeType

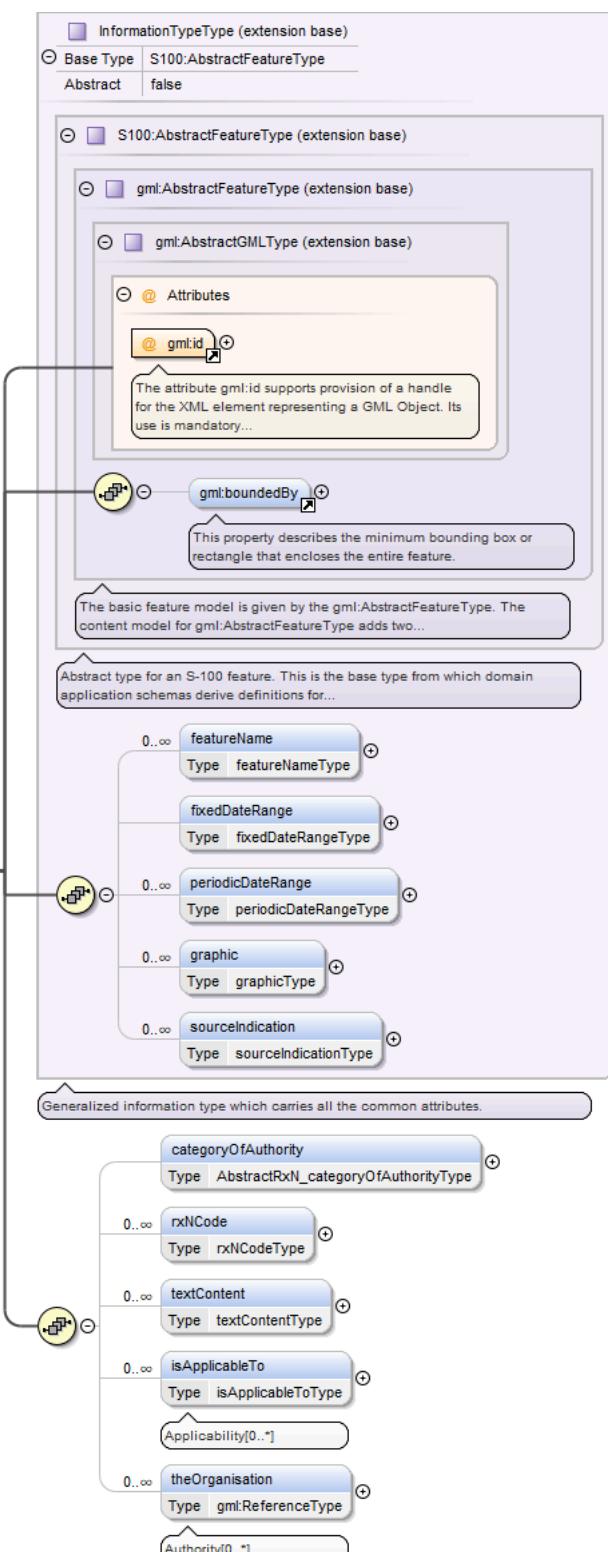
Namespace	http://www.ihoint/S127/2.0
Annotations	Generalized information type which carries all the common attributes.

Diagram									
Type	extension of AbstractFeatureType								
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • InformationTypeType 								
Properties	abstract: false								
Used by	Complex Types AbstractRxNType, ApplicabilityType, AuthorityType, ContactDetailsType, NonStandardWorkingDayType, ServiceHoursType, ShipReportType								
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication*								
Children	featureName, fixedDateRange, gml:boundedBy, graphic, periodicDateRange, sourceIndication								
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> <th style="text-align: left; padding: 2px;"></th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">gml:id</td> <td style="padding: 2px;">ID</td> <td style="padding: 2px;">required</td> <td style="padding: 2px;"></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							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Complex Type AbstractRxNType

Namespace	http://www.ihc.int/S127/2.0
Annotations	An abstract superclass for information types that encode rules, recommendations, and general information in text or graphic form.

Diagram



Type	extension of <code>InformationTypeType</code>
------	---

Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code> • <code>InformationTypeType</code> • <code>AbstractRxNType</code>
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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*			
Children	categoryOfAuthority, featureName, fixedDateRange, gml:boundedBy, graphic, isApplicableTo, periodicDateRange, rxNCode, sourceIndication, textContent, theOrganisation			
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.		
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd			

Complex Type isApplicableToType

Namespace	http://www.ihointerfaces.org/S127/2.0				
Annotations	The object or class of objects to which the regulation, restriction, recommendation, or nautical information applies				
Diagram	<pre> classDiagram class isApplicableToType { <<Base Type gml:ReferenceType>> "The object or class of objects to which the regulation, restriction, recommendation, or nautical information applies" } class gmlReferenceType { <<gml:ReferenceType (extension base)>> "Attributes" gmlOwnershipAttributeGroup gmlAssociationAttributeGroup } isApplicableToType --> gmlReferenceType isApplicableToType < -- gmlReferenceType isApplicableToType --> gmlOwnershipAttributeGroup isApplicableToType --> gmlAssociationAttributeGroup note over gmlReferenceType: gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a... </pre>				
Type	extension of gml:ReferenceType				
Type hierarchy	<ul style="list-style-type: none"> • gml:ReferenceType • isApplicableToType 				
Used by	Element AbstractRxNTType/isApplicableTo				
Model	InclusionType				
Children	InclusionType				
Attributes	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

	QName	Type	Fixed	Default	Use
	xlink:type	xlink:typeType	simple		optional
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd				

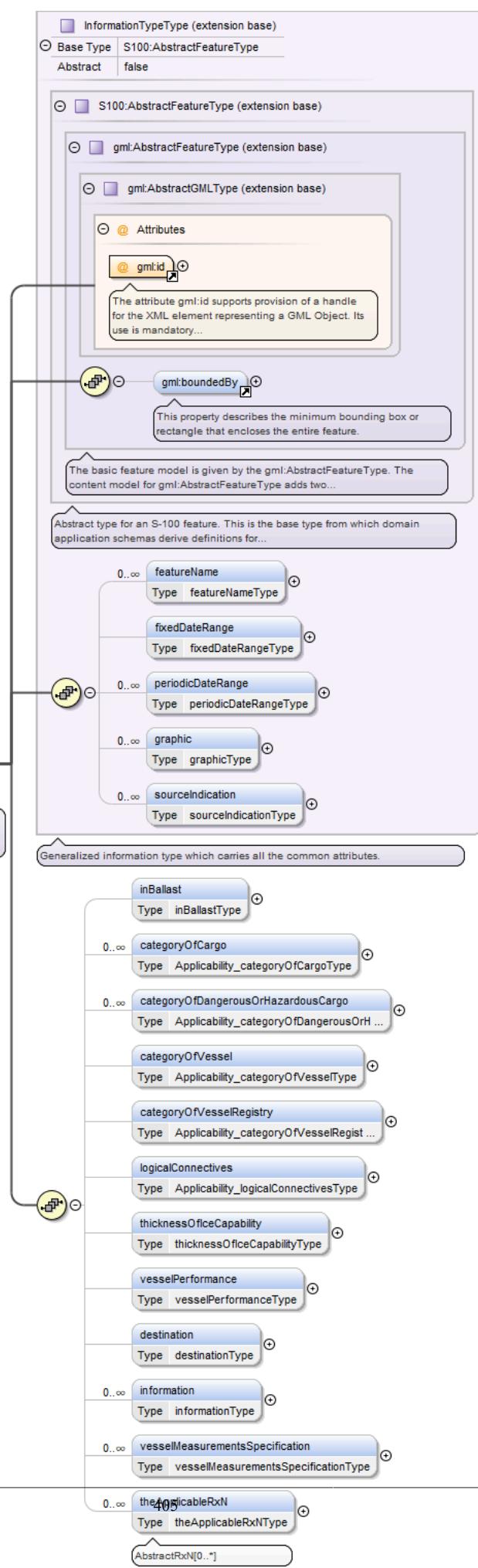
Complex Type InclusionTypeType

Namespace	http://www.ihc.int/S127/2.0												
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 { <<Association class specifying the relationship between the subset of vessels described by an APPLIC data object and a regulation (restriction, recommendation, or nautical information).>> } class Attributes { <<@ Attributes</i>> attribute gm:id } InclusionTypeType "1" -- "*" Attributes : gm:id class membership { <<membership</i>> <<Type membershipType</i>> } InclusionTypeType --> membership </pre> <p>The diagram shows the UML class <code>InclusionTypeType</code>. It has an association named <code>gm:id</code> with the class <code>Attributes</code>, which contains an attribute <code>gm:id</code>. This association is marked with a multiplicity of 1..* on the <code>InclusionTypeType</code> side and * on the <code>Attributes</code> side. There is also a directed association from <code>InclusionTypeType</code> to the class <code>membership</code>.</p>												
Used by	Elements isApplicableToType/InclusionType, theApplicableRxNType/InclusionType												
Model	membership												
Children	membership												
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>gm:id</td> <td>ID</td> <td>optional</td> <td></td> </tr> </tbody> </table> <p>The attribute <code>gm: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		gm:id	ID	optional	
QName	Type	Use											
gm:id	ID	optional											
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd												

Complex Type ApplicabilityType

Namespace	http://www.ihc.int/S127/2.0				
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"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • InformationTypeType • ApplicabilityType 								
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*								
Children	categoryOfCargo, categoryOfDangerousOrHazardousCargo, categoryOfVessel, categoryOfVesselRegistry, destination, featureName, fixedDateRange, gml:boundedBy, graphic, inBallast, information, logicalConnectives, periodicDateRange, sourceIndication, theApplicableRxN, thicknessOfIceCapability, vesselMeasurementsSpecification, vesselPerformance								
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							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Complex Type theApplicableRxNType

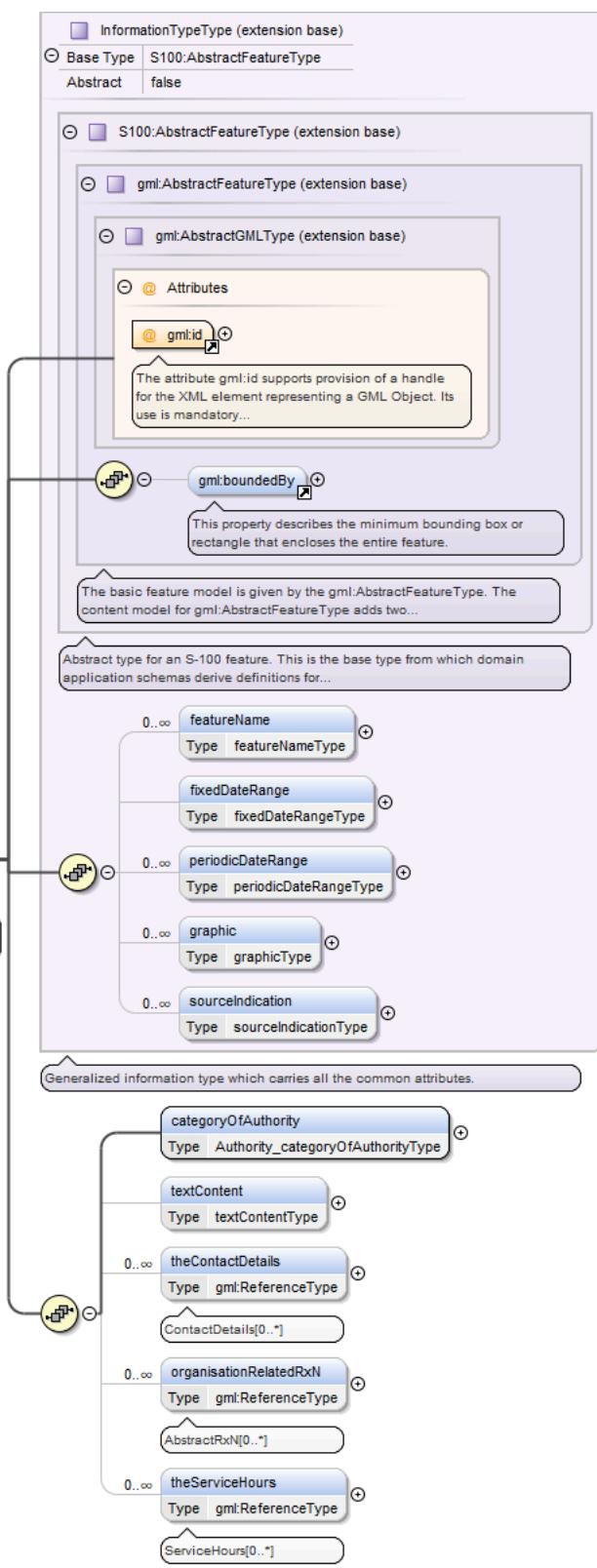
Namespace	http://www.ihc.int/S127/2.0		
Annotations	The applicable regulation, restriction, recommendation or nautical information		
Diagram	<p>The diagram illustrates the inheritance relationship between theApplicableRxNType and gml:ReferenceType. The theApplicableRxNType class is shown as a purple rectangle with 'Base Type' and 'gml:ReferenceType' listed below it. A line connects it to a larger purple rectangle representing gml:ReferenceType, which is labeled 'extension base'. Within the gml:ReferenceType box, there are two attribute groups: 'gml:OwnershipAttributeGroup' and 'gml:AssociationAttributeGroup', each with its own descriptive callout. 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 yellow circle with a plus sign indicates the ability to add more components.</p>		
Type	extension of gml:ReferenceType		
Type hierarchy	<ul style="list-style-type: none"> • gml:ReferenceType <ul style="list-style-type: none"> • theApplicableRxNType 		
Used by	Element ApplicabilityType/theApplicableRxN		
Model	InclusionType		
Children	InclusionType		

Attributes	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	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd					

Complex Type AuthorityType

Namespace	http://www.ihc.int/S127/2.0
Annotations	A person or organisation having political or administrative power and control.

Diagram



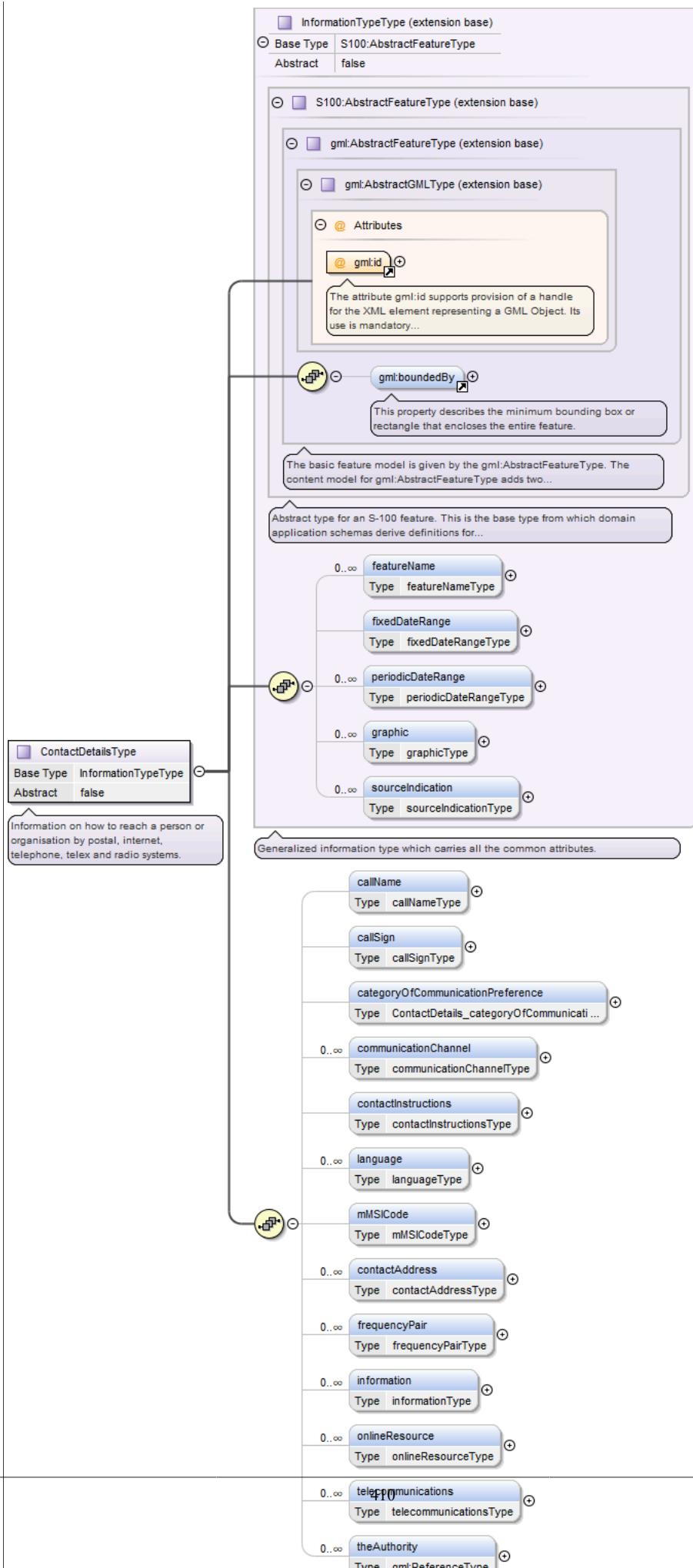
Type	extension of <code>InformationTypeType</code>
Type hierarchy	<ul style="list-style-type: none"> <code>gml:AbstractGMLType</code> <ul style="list-style-type: none"> <code>gml:AbstractFeatureType</code> <ul style="list-style-type: none"> <code>AbstractFeatureType</code> <ul style="list-style-type: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

	• 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*		
Children	categoryOfAuthority, featureName, fixedDateRange, gml:boundedBy, graphic, organisationRelatedRxN, periodicDateRange, sourceIndication, textContent, theContactDetails, theServiceHours		
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.	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type ContactDetailsType

Namespace	http://www.ihc.int/S127/2.0
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"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • InformationTypeType • ContactDetailsType 														
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*														
Children	callName, callSign, categoryOfCommunicationPreference, communicationChannel, contactAddress, contactInstructions, featureName, fixedDateRange, frequencyPair, gml:boundedBy, graphic, information, language, mMSICode, onlineResource, periodicDateRange, sourceIndication, 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> <tr> <td></td> <td colspan="3" style="text-align: center;">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		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													
	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.														
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd														

Complex Type NauticalInformationType

Namespace	http://www.ihc.int/S127/2.0
Annotations	Nautical information about a related area or facility.

Diagram

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

Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType <ul style="list-style-type: none"> • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType <ul style="list-style-type: none"> • InformationTypeType <ul style="list-style-type: none"> • AbstractRxNType <ul style="list-style-type: none"> • NauticalInformationType 										
Properties	abstract: false										
Used by	Element NauticalInformation										
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication* , categoryOfAuthority{0,1} , rxNCode* , textContent* , isApplicableTo* , theOrganisation*										
Children	categoryOfAuthority, featureName, fixedDateRange, gml:boundedBy, graphic, isApplicableTo, periodicDateRange, rxNCode, sourceIndication, textContent, 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>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									
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd										

Complex Type NonStandardWorkingDayType

Namespace	http://www.ihc.int/S127/2.0
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	<pre> classDiagram class NonStandardWorkingDayType { <<Days when many services are not available. Often days of festivity or recreation or public holidays when normal working...>> } class InformationTypeType { <<Generalized information type which carries all the common attributes.>> } class S100AbstractFeatureType { <<Abstract type for an S-100 feature. This is the base type from which domain application schemas derive definitions for...>> } class gmIAbstractGMLType class gmIAbstractFeatureType class gmlAbstractFeatureType NonStandardWorkingDayType --> InformationTypeType InformationTypeType --> S100AbstractFeatureType S100AbstractFeatureType --> gmIAbstractGMLType gmIAbstractGMLType --> gmIAbstractFeatureType gmIAbstractFeatureType --> gmlAbstractFeatureType InformationTypeType "0..>" featureName : featureNameType InformationTypeType "0..>" fixedDateRange : fixedDateRangeType InformationTypeType "0..>" periodicDateRange : periodicDateRangeType InformationTypeType "0..>" graphic : graphicType InformationTypeType "0..>" sourceIndication : sourceIndicationType InformationTypeType "0..>" dateFixed : dateFixedType InformationTypeType "0..>" dateVariable : dateVariableType InformationTypeType "0..>" information : informationType </pre>
Type	extension of InformationTypeType
Type hierarchy	<ul style="list-style-type: none"> • gmIAbstractGMLType • gmIAbstractFeatureType • AbstractFeatureType • InformationTypeType • NonStandardWorkingDayType
Properties	abstract: false
Used by	Element NonStandardWorkingDay
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication* , dateFixed* , dateVariable* , information*
Children	dateFixed, dateVariable, featureName, fixedDateRange, gml:boundedBy, graphic, information, periodicDateRange, sourceIndication

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.			
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd			

Complex Type RecommendationsType

Namespace	http://www.ihc.int/S127/2.0
Annotations	Recommendations for a related area or facility.

Diagram

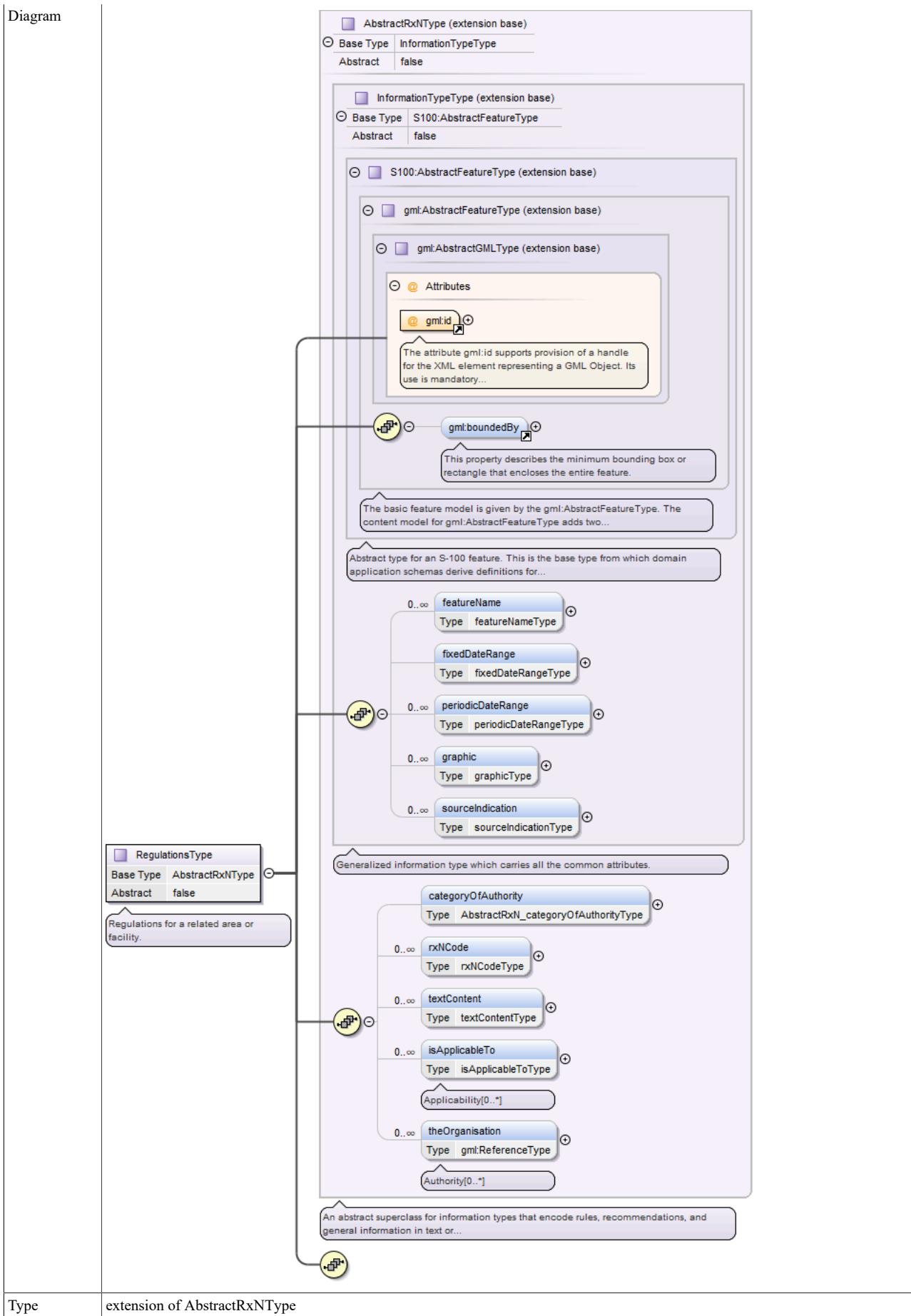
	<pre> classDiagram class AbstractRxNType { <<extension base>> <<Base Type>> InformationTypeType <<Abstract>> false } class InformationTypeType { <<extension base>> <<Base Type>> S100:AbstractFeatureType <<Abstract>> false } class S100:AbstractFeatureType { <<extension base>> <<gml:AbstractFeatureType>>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

Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code> • <code>InformationTypeType</code> • <code>AbstractRxNType</code> • <code>RecommendationsType</code> 										
Properties	<code>abstract:</code> false										
Used by	Element Recommendations										
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>										
Children	<code>categoryOfAuthority</code> , <code>featureName</code> , <code>fixedDateRange</code> , <code>gml:boundedBy</code> , <code>graphic</code> , <code>isApplicableTo</code> , <code>periodicDateRange</code> , <code>rxNCode</code> , <code>sourceIndication</code> , <code>textContent</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> </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									
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd										

Complex Type **RegulationsType**

Namespace	http://www.ihc.int/S127/2.0
Annotations	Regulations for a related area or facility.

Diagram

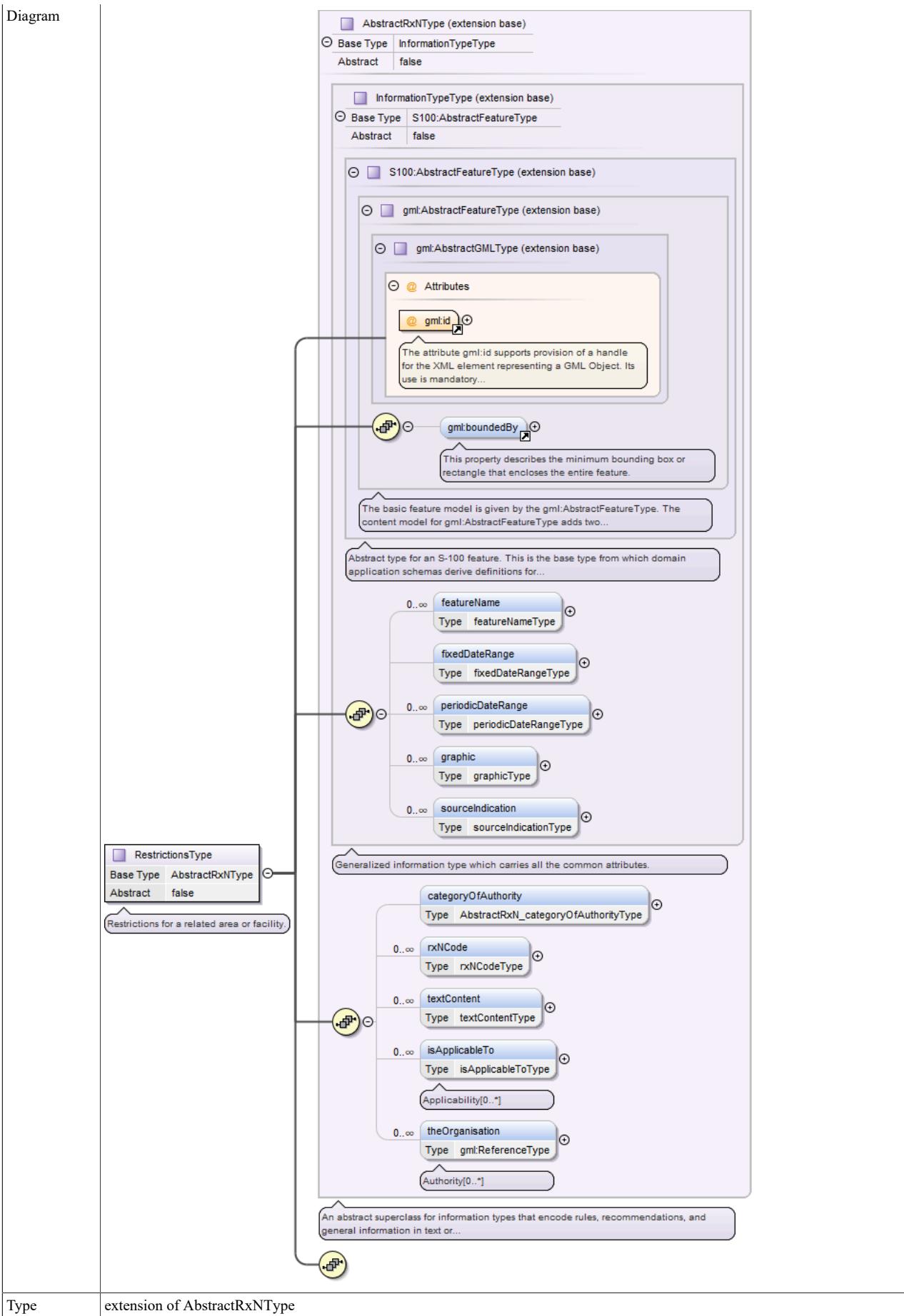


Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code> • <code>InformationTypeType</code> • <code>AbstractRxNType</code> • <code>RegulationsType</code> 										
Properties	<code>abstract:</code> false										
Used by	Element Regulations										
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>										
Children	<code>categoryOfAuthority</code> , <code>featureName</code> , <code>fixedDateRange</code> , <code>gml:boundedBy</code> , <code>graphic</code> , <code>isApplicableTo</code> , <code>periodicDateRange</code> , <code>rxNCode</code> , <code>sourceIndication</code> , <code>textContent</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> </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									
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd										

Complex Type **RestrictionsType**

Namespace	http://www.ihc.int/S127/2.0
Annotations	Restrictions for a related area or facility.

Diagram



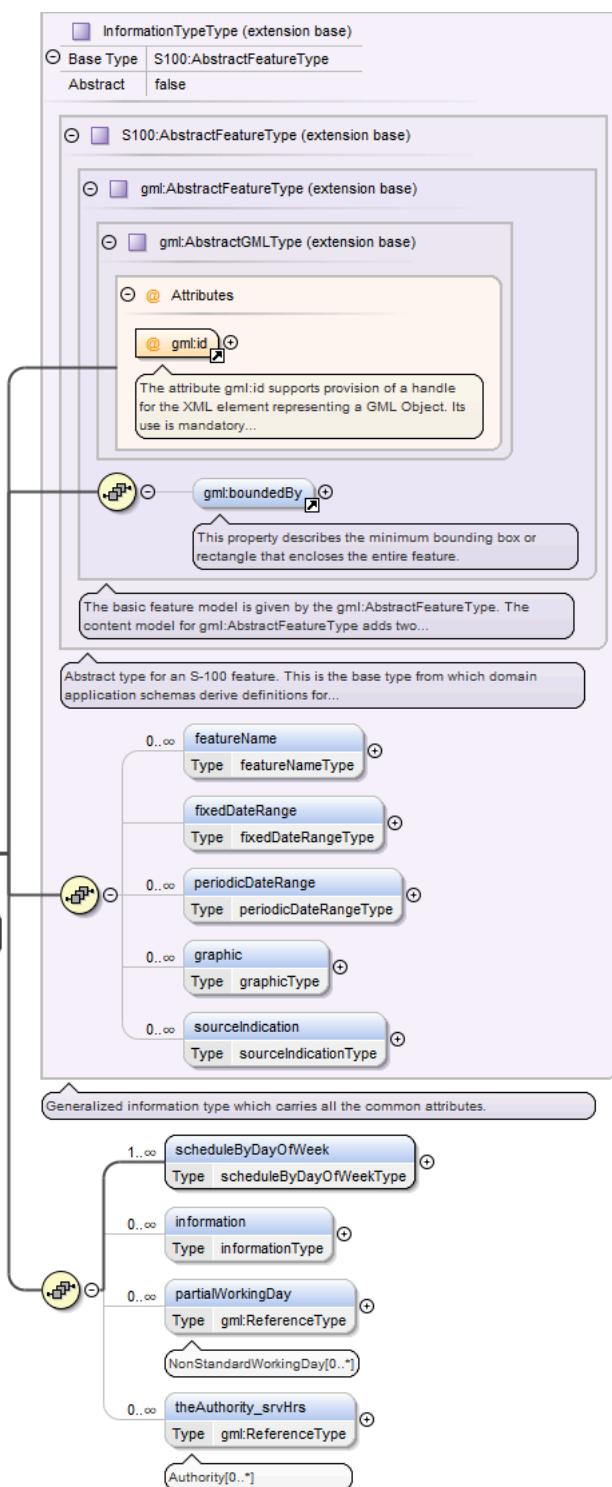
Type extension of `AbstractRxNType`

Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code> • <code>InformationTypeType</code> • <code>AbstractRxNType</code> • <code>RestrictionsType</code> 										
Properties	<code>abstract:</code> false										
Used by	Element Restrictions										
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>										
Children	categoryOfAuthority, featureName, fixedDateRange, <code>gml:boundedBy</code> , graphic, isApplicableTo, periodicDateRange, rxNCode, sourceIndication, textContent, 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><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									
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd										

Complex Type `ServiceHoursType`

Namespace	http://www.ihc.int/S127/2.0
Annotations	The time when a service is available and known exceptions.

Diagram



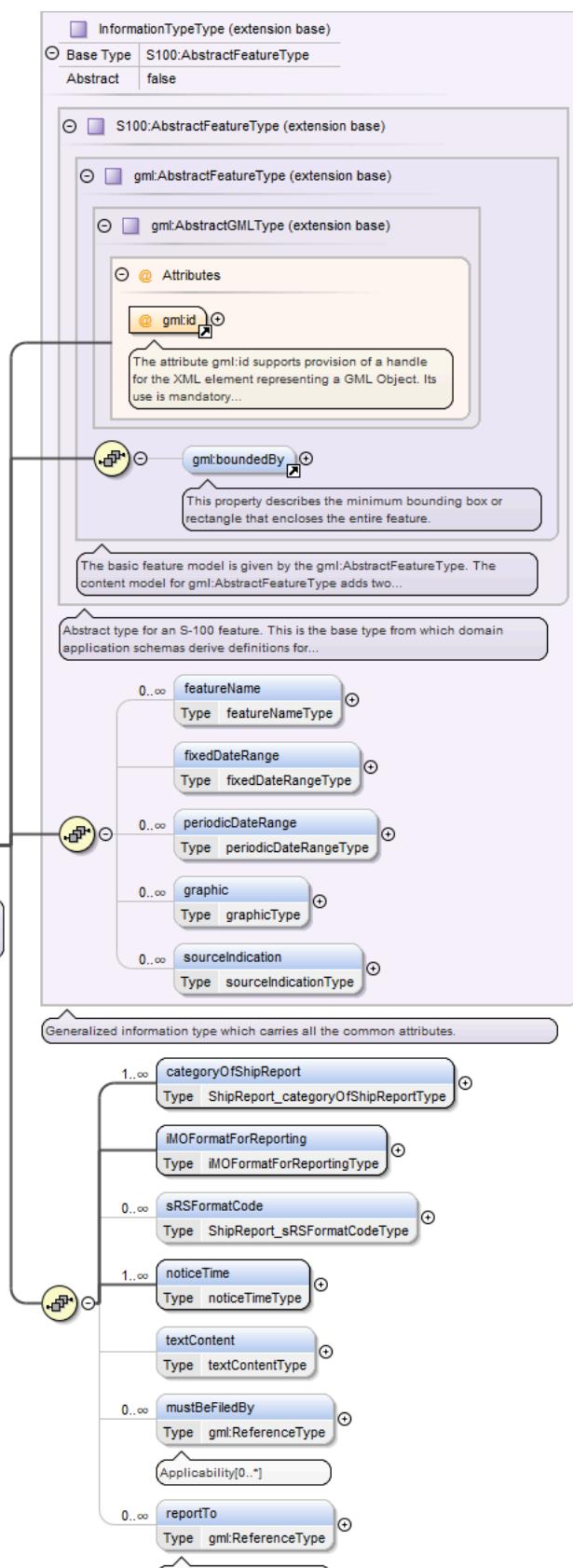
Type	extension of InformationTypeType
Type hierarchy	<ul style="list-style-type: none"> gml:AbstractGMLType gml:AbstractFeatureType AbstractFeatureType InformationTypeType ServiceHoursType
Properties	abstract: false

Used by	Element ServiceHours		
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication* , scheduleByDayOfWeek+ , information* , partialWorkingDay* , theAuthority_srvHrs*		
Children	featureName, fixedDateRange, gml:boundedBy, graphic, information, partialWorkingDay, periodicDateRange, scheduleByDayOfWeek, sourceIndication, theAuthority_srvHrs		
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.		
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type ShipReportType

Namespace	http://www.ihc.int/S127/2.0
Annotations	Description of how a ship should report to a maritime authority, including when to report, what to report and whether the format conforms to the IMO standard.

Diagram



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

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

	<ul style="list-style-type: none"> • AbstractFeatureType • InformationTypeType • ShipReportType 						
Properties	abstract: false						
Used by	Element ShipReport						
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication* , category-OfShipReport+ , iMOFormatForReporting , sRSFormatCode* , noticeTime+ , textContent{0,1} , mustBeFiledBy* , reportTo*						
Children	categoryOfShipReport, featureName, fixedDateRange, gml:boundedBy, graphic, iMOFormatForReporting, mustBeFiledBy, noticeTime, periodicDateRange, reportTo, sRSFormatCode, sourceIndication, textContent						
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					
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd						

Complex Type SpatialQualityType

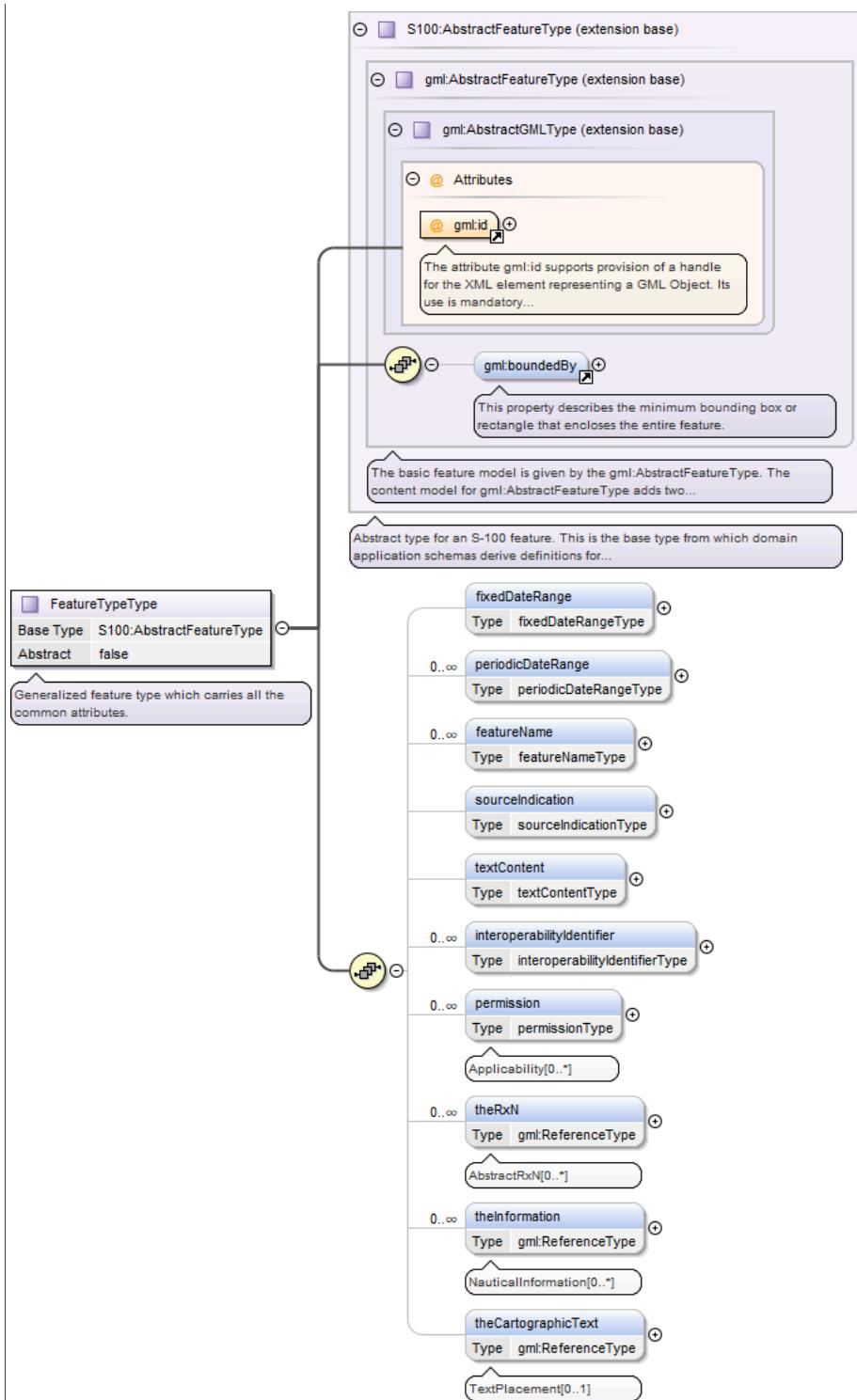
Namespace	http://www.ihc.int/S127/2.0
Annotations	The indication of the quality of the locational information for features in a dataset.
Diagram	<pre> classDiagram S100::AbstractFeatureType < -- gml::AbstractFeatureType gml::AbstractFeatureType < -- gml::AbstractGMLType gml::AbstractGMLType < -- SpatialQualityType SpatialQualityType { <<The indication of the quality of the locational information for features in a dataset.>> <<Abstract type for an S-100 feature. This is the base type from which domain application schemas derive definitions for...>> qualityOfHorizontalMeasurement <<Type SpatialQuality_qualityOfHorizontalMe ...>> spatialAccuracy <<Type spatialAccuracyType>> } </pre>
Type	extension of AbstractFeatureType
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • SpatialQualityType
Properties	abstract: false

Used by	Element SpatialQuality		
Model	gml:boundedBy{0,1} , qualityOfHorizontalMeasurement{0,1} , spatialAccuracy*		
Children	gml:boundedBy, qualityOfHorizontalMeasurement, spatialAccuracy		
Attributes	QName gml:id	Type ID	Use 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.		
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type FeatureTypeType

Namespace	http://www.ihc.int/S127/2.0
Annotations	Generalized feature type which carries all the common attributes.

Diagram



Type	extension of AbstractFeatureType
------	----------------------------------

Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType
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Properties	abstract: false
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Used by	Complex Types	CautionAreaType, ConcentrationOfShippingHazardAreaType, OrganizationContactAreaType, PilotageDistrictType, RadarRangeType, RadioCallingInPointType, RoutingMeasureType, SignalStationWarningType, UnderKeelClearanceAllowanceAreaType						
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1}							
Children	featureName, fixedDateRange, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, sourceIndication, textContent, theCartographicText, theInformation, theRxN							
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	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						
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd							

Complex Type permissionType

Namespace	http://www.ihc.int/S127/2.0																																													
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	<p>uml diagram showing permissionType extending from gml:ReferenceType. It has attributes gml:OwnershipAttributeGroup and gml:AssociationAttributeGroup. A note says 'Encoding a GML property inline vs. by-reference shall not imply anything about the "ownership" of the contained or...'.</p>																																													
Type	extension of gml:ReferenceType																																													
Type hierarchy	<ul style="list-style-type: none"> • gml:ReferenceType • permissionType 																																													
Used by	Element FeatureTypeType/permission																																													
Model	PermissionType																																													
Children	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> </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
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																																										

	QName	Type	Fixed	Default	Use
	xlink:type	xlink:typeType	simple		optional
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd				

Complex Type PermissionTypeType

Namespace	http://www.ihc.int/S127/2.0												
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 { <<Association class for associations describing whether the subsets of vessels determined by the ship characteristics...>> } class Attributes { <<@ Attributes @ gml:id +>> } class categoryOfRelationship { <<categoryOfRelationship Type categoryOfRelationshipType +>> } PermissionTypeType "1" -- "1" Attributes : <<@ gml:id >> Attributes "1" -- "1" categoryOfRelationship : <<categoryOfRelationship Type categoryOfRelationshipType>> </pre>												
Used by	Element permissionType/PermissionType												
Model	categoryOfRelationship												
Children	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											
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd												

Complex Type OrganizationContactAreaType

Namespace	http://www.ihc.int/S127/2.0				
Annotations	A feature often associated with contact information for an organization that exercises a management role or offers a service in the location.				

Diagram

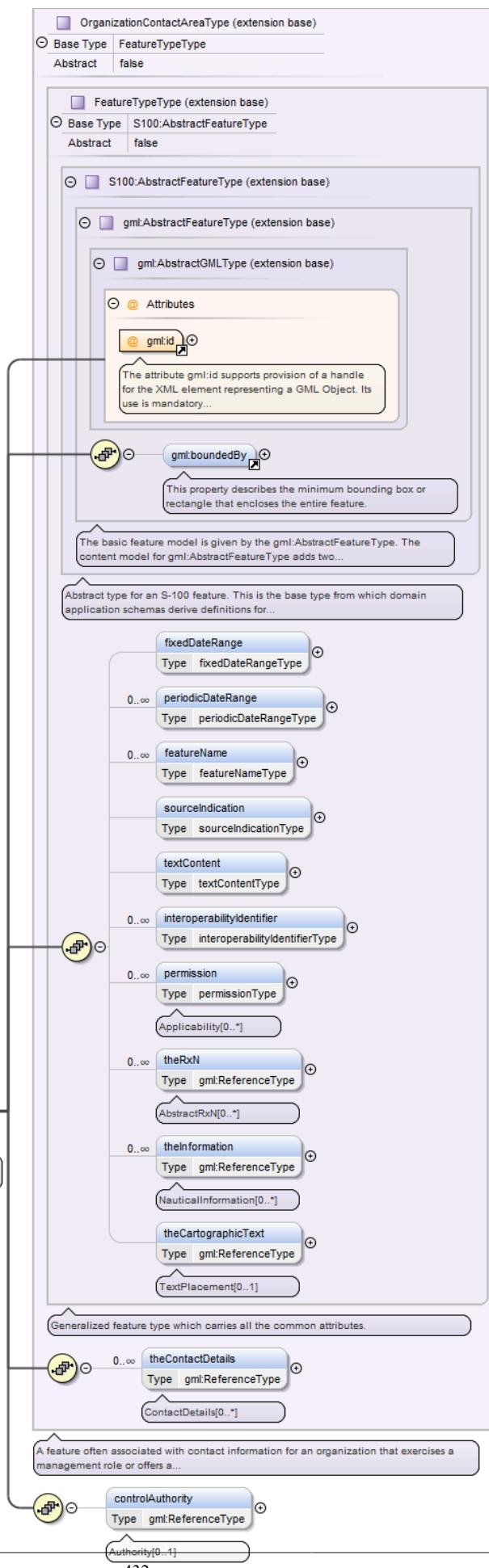
	<pre> classDiagram class FeatureTypeType { <<extension base>> S100:AbstractFeatureType Abstract false } class S100:AbstractFeatureType { <<extension base>> gml:AbstractFeatureType gml:AbstractGMLType Attributes @gml:id The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory... gml:boundedBy This property describes the minimum bounding box or rectangle that encloses the entire feature. The basic feature model is given by the gml:AbstractFeatureType. The content model for gml:AbstractFeatureType adds two... Abstract type for an S-100 feature. This is the base type from which domain application schemas derive definitions for... fixedDateRange Type fixedDateRangeType 0..oo periodicDateRange Type periodicDateRangeType 0..oo featureName Type featureNameType sourceIndication Type sourceIndicationType textContent Type textContentType 0..oo interoperabilityIdentifier Type interoperabilityIdentifierType 0..oo permission Type permissionType Applicability[0..*] 0..oo theRxN Type gml:ReferenceType AbstractRxN[0..*] 0..oo theInformation Type gml:ReferenceType NauticalInformation[0..*] theCartographicText Type gml:ReferenceType TextPlacement[0..1] Generalized feature type which carries all the common attributes. 0..oo theContactDetails Type gml:ReferenceType ContactDetails[0..*] } class OrganizationContactAreaType { Base Type FeatureTypeType Abstract false } FeatureTypeType < -- S100:AbstractFeatureType S100:AbstractFeatureType < -- gml:AbstractFeatureType gml:AbstractFeatureType < -- gml:AbstractGMLType OrganizationContactAreaType < -- FeatureTypeType OrganizationContactAreaType --> S100:AbstractFeatureType OrganizationContactAreaType --> gml:AbstractFeatureType OrganizationContactAreaType --> gml:AbstractGMLType </pre>
Type	extension of FeatureTypeType

Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code> • <code>FeatureTypeType</code> • <code>OrganizationContactAreaType</code> 														
Properties	abstract: <code>false</code>														
Used by	Complex Types <code>ISPSCodeSecurityLevelType</code> , <code>PilotBoardingPlaceType</code> , <code>SignalStationTrafficType</code> , <code>SupervisedAreaType</code>														
Model	<code>gml:boundedBy{0,1}</code> , <code>fixedDateRange{0,1}</code> , <code>periodicDateRange*</code> , <code>featureName*</code> , <code>sourceIndication{0,1}</code> , <code>textContent{0,1}</code> , <code>interoperabilityIdentifier*</code> , <code>permission*</code> , <code>theRxN*</code> , <code>theInformation*</code> , <code>theCartographicText{0,1}</code> , <code>theContactDetails*</code> *														
Children	<code>featureName</code> , <code>fixedDateRange</code> , <code>gml:boundedBy</code> , <code>interoperabilityIdentifier</code> , <code>periodicDateRange</code> , <code>permission</code> , <code>sourceIndication</code> , <code>textContent</code> , <code>theCartographicText</code> , <code>theContactDetails</code> , <code>theInformation</code> , <code>theRxN</code>														
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> <th style="text-align: left; padding: 2px;"></th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><code>gml:id</code></td><td style="padding: 2px;"><code>ID</code></td><td style="padding: 2px;">required</td><td style="padding: 2px;"></td></tr> <tr> <td style="padding: 2px;"></td><td colspan="3" style="padding: 2px; vertical-align: top;"> <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 <code>ID</code>, 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>	<code>ID</code>	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 <code>ID</code>, so is constrained to be unique in the XML document within which it occurs.</p>		
QName	Type	Use													
<code>gml:id</code>	<code>ID</code>	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 <code>ID</code>, so is constrained to be unique in the XML document within which it occurs.</p>														
Schema location	<code>file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd</code>														

Complex Type `SupervisedAreaType`

Namespace	<code>http://www.ihc.int/S127/2.0</code>
Annotations	A location which may be supervised by a responsible or controlling authority.

Diagram

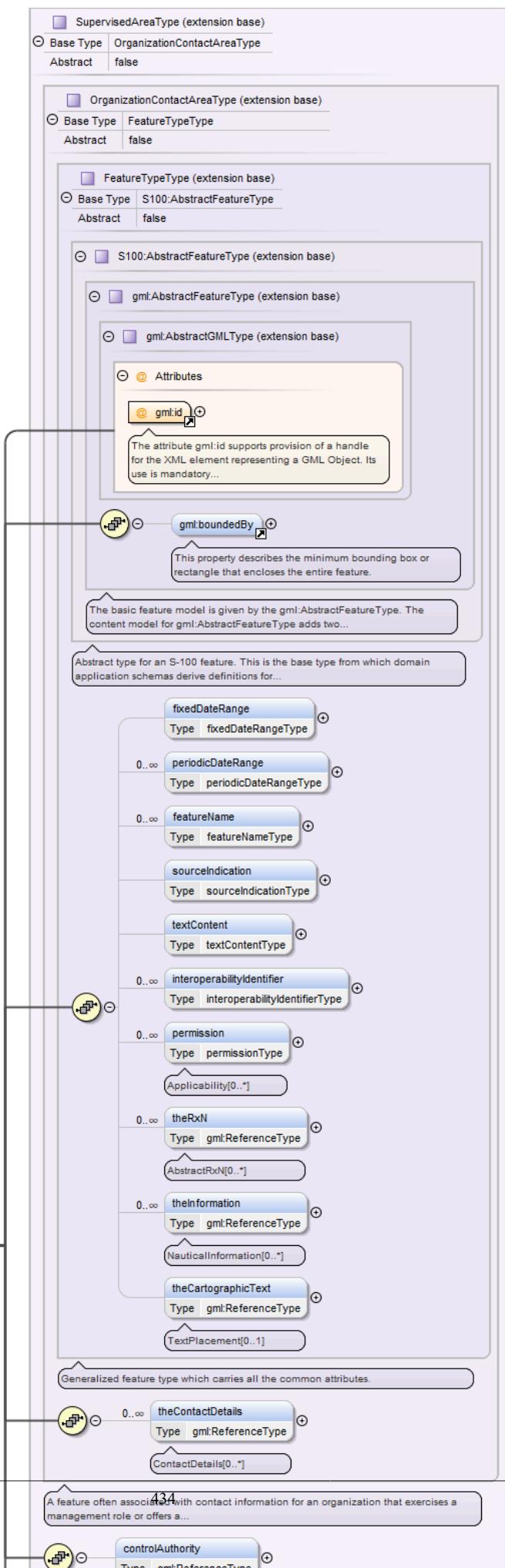


Type	extension of OrganizationContactAreaType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType 														
Properties	abstract: false														
Used by	Complex Types MilitaryPracticeAreaType, ReportableServiceAreaType, RestrictedAreaType, WaterwayAreaType														
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1}														
Children	controlAuthority, featureName, fixedDateRange, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, sourceIndication, textContent, theCartographicText, theContactDetails, theInformation, theRxN														
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> <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		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.				
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Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd														

Complex Type ReportableServiceAreaType

Namespace	http://www.ihc.int/S127/2.0
Annotations	A service feature generally involving one or more reports from the requester, including communications not strictly considered "reporting".

Diagram

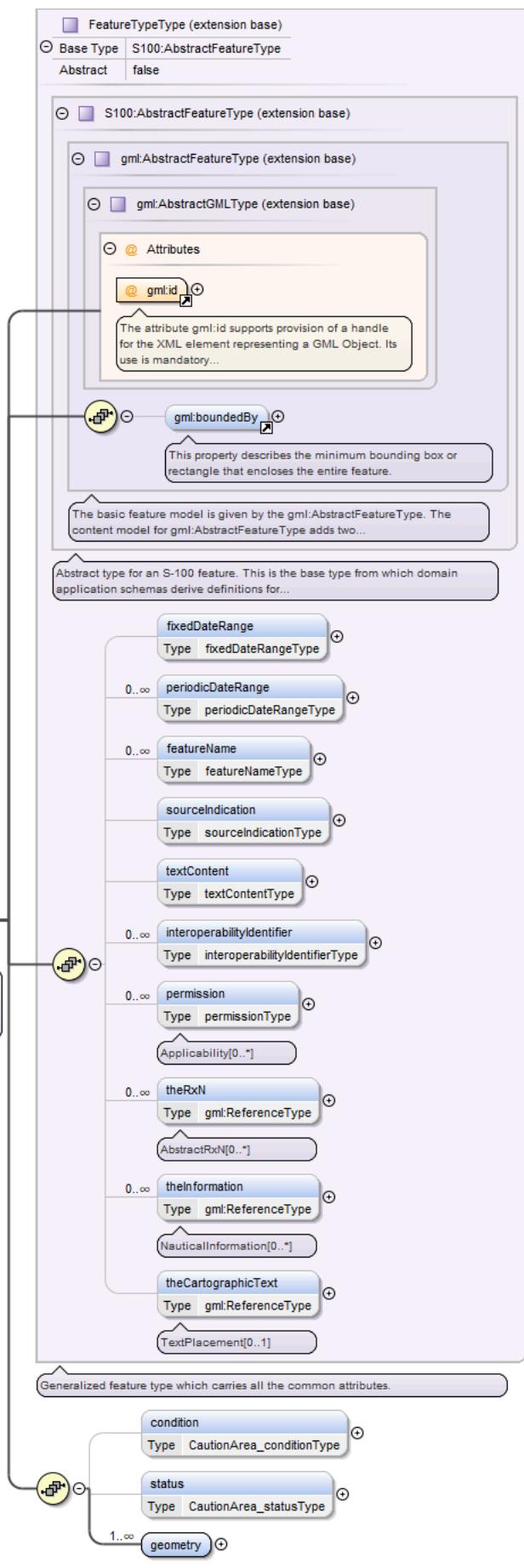


Type	extension of SupervisedAreaType								
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • ReportableServiceAreaType 								
Properties	abstract: false								
Used by	Complex Types LocalPortBroadcastServiceAreaType, PilotServiceType, PiracyRiskAreaType, PlaceOfRefugeType, ShipReportingServiceAreaType, UnderKeelClearanceManagementAreaType, VesselTrafficServiceAreaType								
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , reptForTrafficServ*								
Children	controlAuthority, featureName, fixedDateRange, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, reptForTrafficServ, sourceIndication, textContent, theCartographicText, theContactDetails, theInformation, theRxN								
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							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Complex Type CautionAreaType

Namespace	http://www.ihc.int/S127/2.0
Annotations	Generally, an area where the mariner has to be made aware of circumstances influencing the safety of navigation.

Diagram

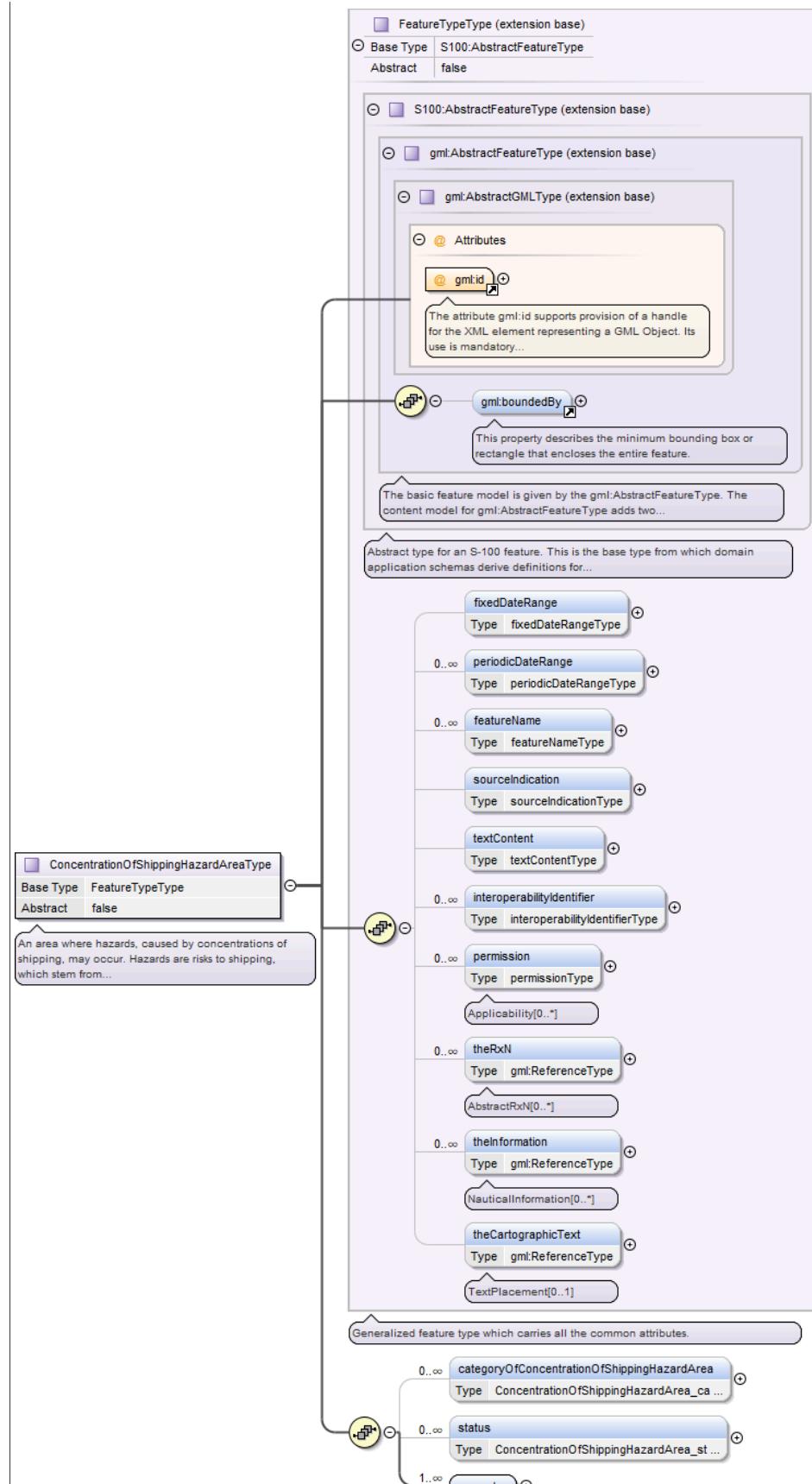


Type	extension of FeatureTypeType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • CautionAreaType 										
Properties	abstract: false										
Used by	Element CautionArea										
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , condition{0,1} , status{0,1} , geometry+										
Children	condition, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, sourceIndication, status, textContent, theCartographicText, theInformation, theRxN										
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									
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd										

Complex Type ConcentrationOfShippingHazardAreaType

Namespace	http://www.ihc.int/S127/2.0
Annotations	An area where hazards, caused by concentrations of shipping, may occur. Hazards are risks to shipping, which stem from sources other than shoal water or obstructions.

Diagram



Type extension of `FeatureTypeType`

Type hierarchy

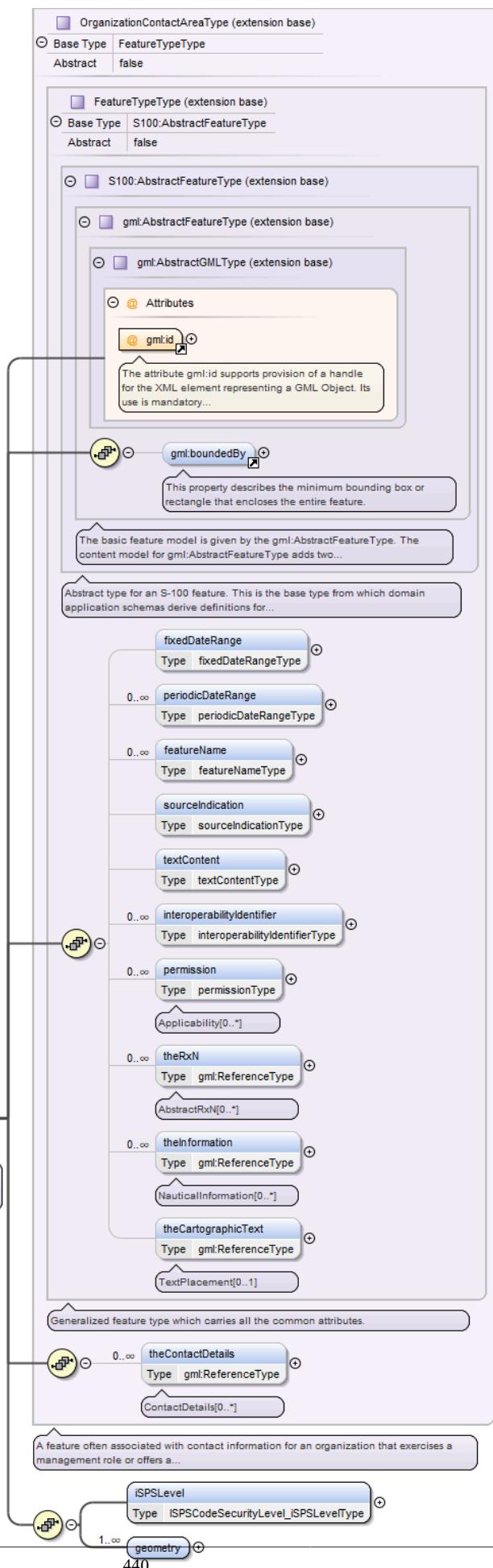
- `gml:AbstractGMLType`

	<ul style="list-style-type: none"> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code> • <code>FeatureTypeType</code> • <code>ConcentrationOfShippingHazardAreaType</code> 												
Properties	abstract: <code>false</code>												
Used by	Element <code>ConcentrationOfShippingHazardArea</code>												
Model	<code>gml:boundedBy{0,1}</code> , <code>fixedDateRange{0,1}</code> , <code>periodicDateRange*</code> , <code>featureName*</code> , <code>sourceIndication{0,1}</code> , <code>textContent{0,1}</code> , <code>interoperabilityIdentifier*</code> , <code>permission*</code> , <code>theRxN*</code> , <code>theInformation*</code> , <code>theCartographicText{0,1}</code> , <code>categoryOfConcentrationOfShippingHazardArea*</code> , <code>status*</code> , <code>geometry+</code>												
Children	<code>categoryOfConcentrationOfShippingHazardArea</code> , <code>featureName</code> , <code>fixedDateRange</code> , <code>geometry</code> , <code>gml:boundedBy</code> , <code>interoperabilityIdentifier</code> , <code>periodicDateRange</code> , <code>permission</code> , <code>sourceIndication</code> , <code>status</code> , <code>textContent</code> , <code>theCartographicText</code> , <code>theInformation</code> , <code>theRxN</code>												
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Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd												

Complex Type ISPSCodeSecurityLevelType

Namespace	http://www.oho.int/S127/2.0
Annotations	The area to which an International Ship and Port Facility Security (ISPS) level applies. The ISPS Code is a comprehensive set of measures to enhance the security of ships and port facilities, developed in response to the perceived threats to ships and port facilities in the wake of the 9/11 attacks in the United States.

Diagram

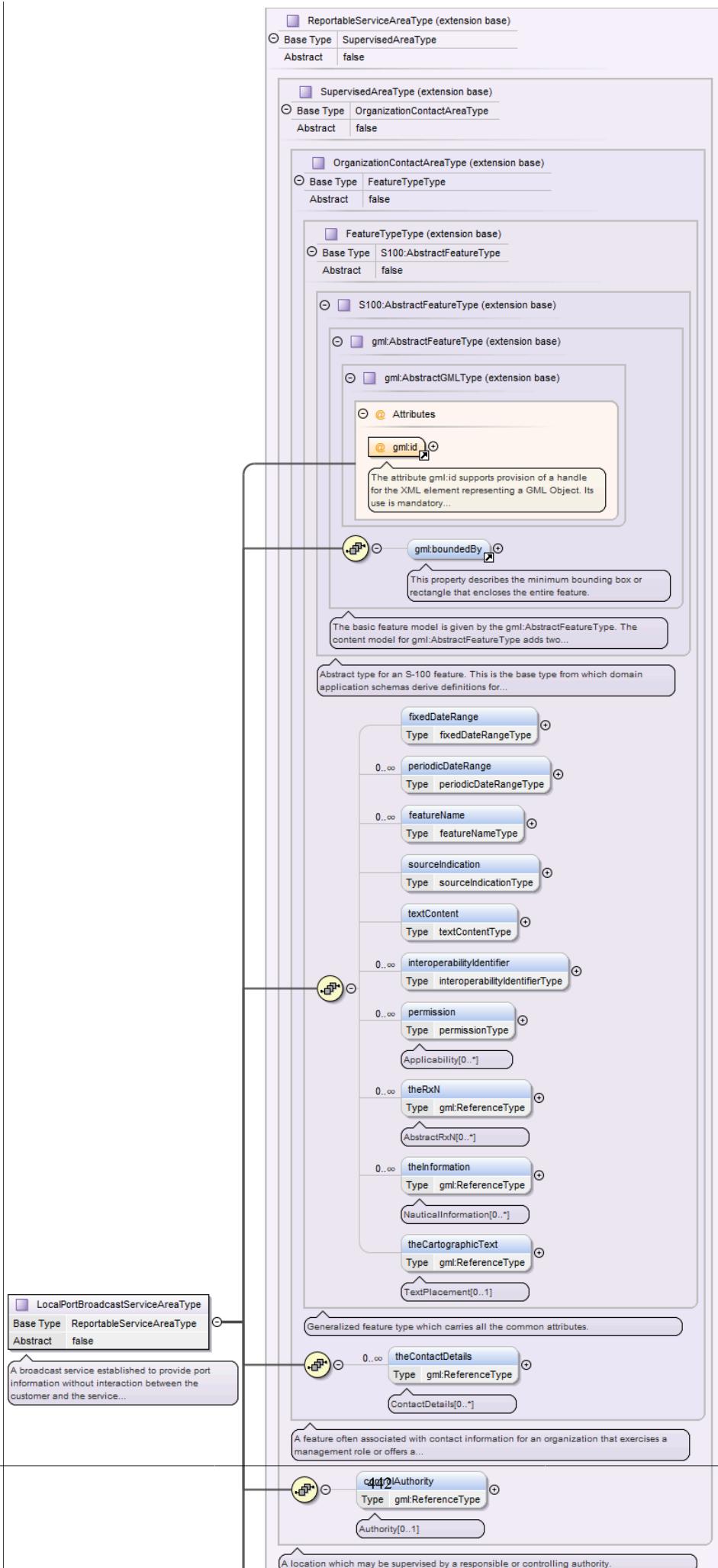


Type	extension of OrganizationContactAreaType											
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • ISPSCodeSecurityLevelType 											
Properties	abstract: false											
Used by	Element ISPSCodeSecurityLevel											
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , iSPSLevel , geometry+											
Children	featureName, fixedDateRange, geometry, gml:boundedBy, iSPSLevel, interoperabilityIdentifier, periodicDateRange, permission, sourceIndication, textContent, theCartographicText, theContactDetails, theInformation, theRxN											
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> <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 occurs.</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.		
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Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd											

Complex Type LocalPortBroadcastServiceAreaType

Namespace	http://www.ihc.int/S127/2.0
Annotations	A broadcast service established to provide port information without interaction between the customer and the service provider. This information could be inter alia berthing information, availability of port services, shipping schedules, meteorological and hydrological data.

Diagram

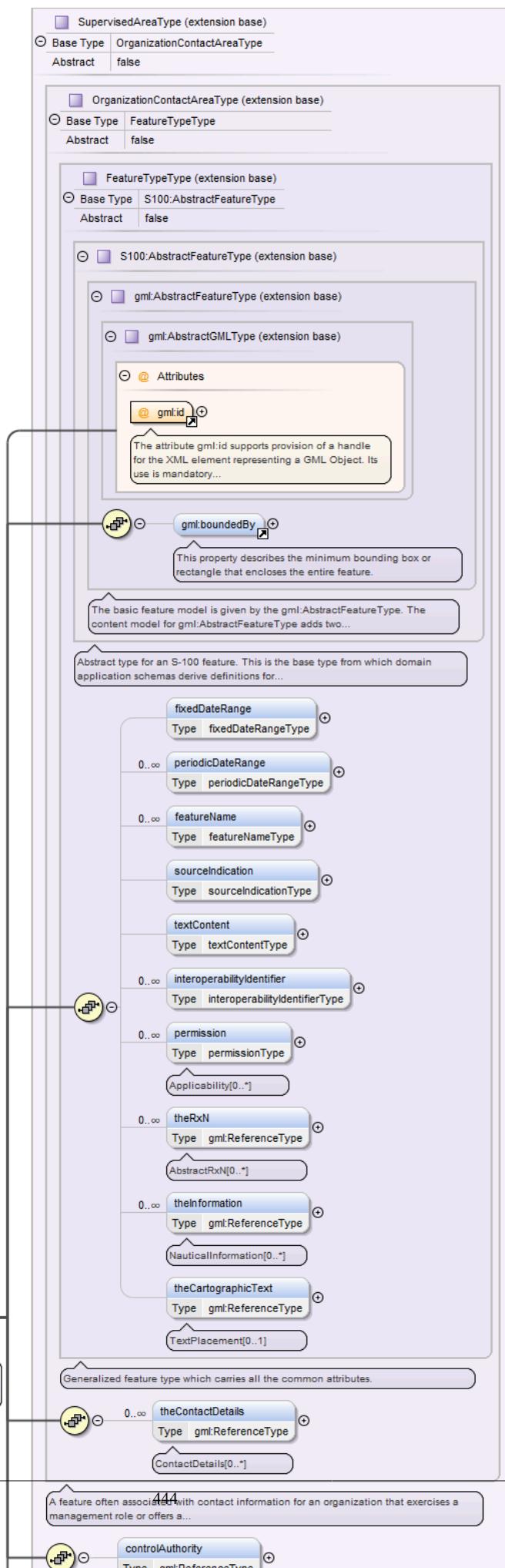


Type	extension of ReportableServiceAreaType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • ReportableServiceAreaType • LocalPortBroadcastServiceAreaType 														
Properties	abstract: false														
Used by	Element LocalPortBroadcastServiceArea														
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , reptForTrafficServ* , serviceAccessProcedure{0,1} , requirementsForMaintenanceOfListeningWatch , consistsOf* , geometry+														
Children	consistsOf, controlAuthority, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, reptForTrafficServ, requirementsForMaintenanceOfListeningWatch, serviceAccessProcedure, sourceIndication, textContent, theCartographicText, theContactDetails, theInformation, theRxN														
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Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd														

Complex Type MilitaryPracticeAreaType

Namespace	http://www.ihc.int/S127/2.0
Annotations	An area within which naval, military or aerial exercises are carried out. Also called an 'exercise area'.

Diagram

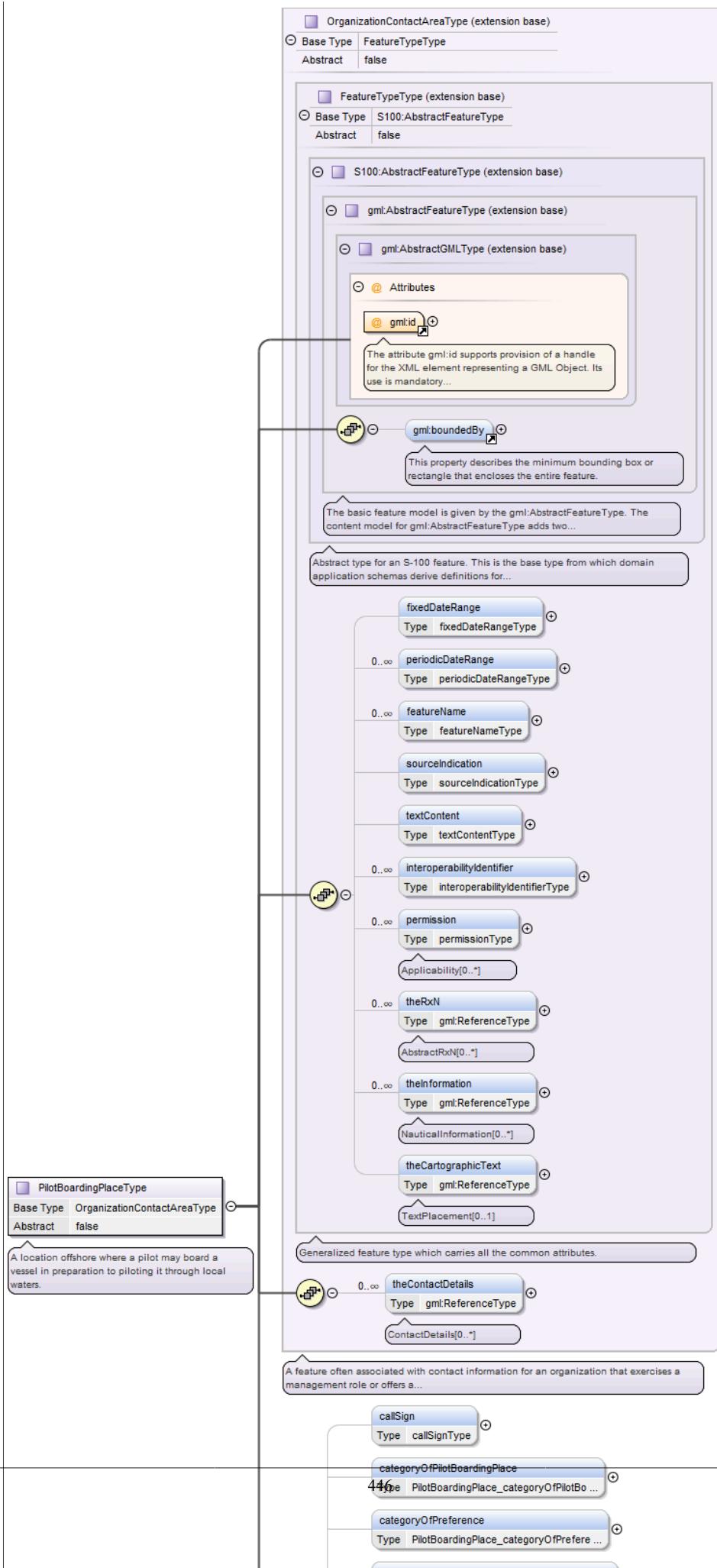


Type	extension of SupervisedAreaType								
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • MilitaryPracticeAreaType 								
Properties	abstract: false								
Used by	Element MilitaryPracticeArea								
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , categoryOfMilitaryPracticeArea* , nationality{0,1} , restriction* , status* , theServiceHours{0,1} , geometry+								
Children	categoryOfMilitaryPracticeArea, controlAuthority, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, nationality, periodicDateRange, permission, restriction, sourceIndication, status, textContent, theCartographicText, theContactDetails, theInformation, theRxN, theServiceHours								
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							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Complex Type PilotBoardingPlaceType

Namespace	http://www.ihc.int/S127/2.0
Annotations	A location offshore where a pilot may board a vessel in preparation to piloting it through local waters.

Diagram

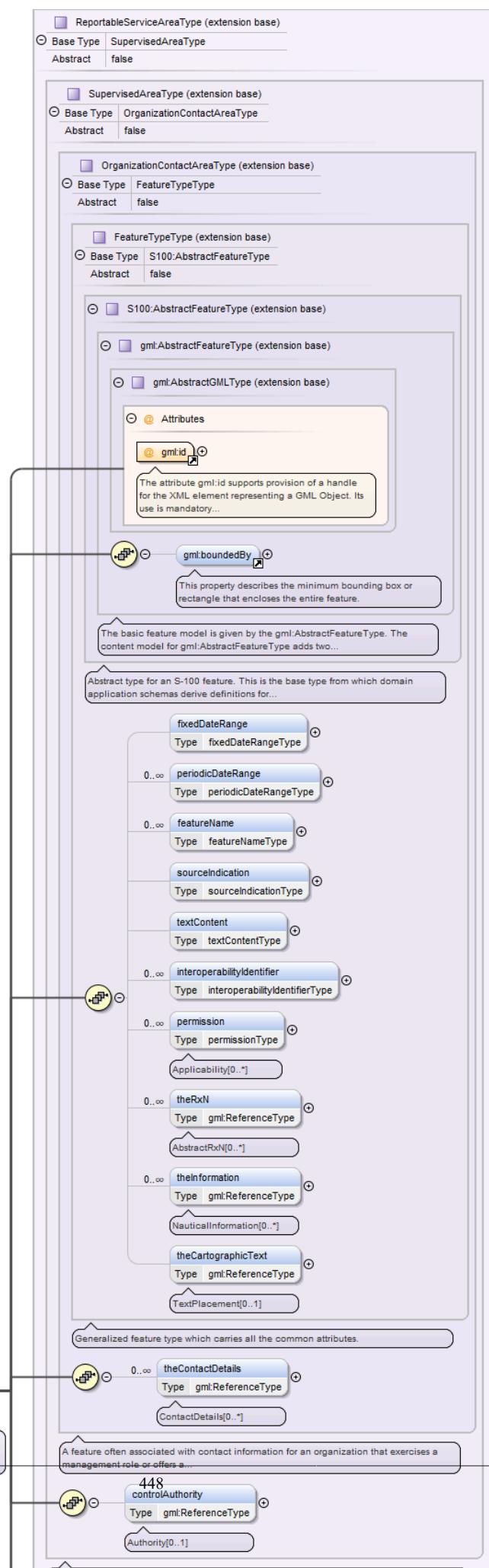


Type	extension of OrganizationContactAreaType									
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • PilotBoardingPlaceType 									
Properties	abstract: false									
Used by	Element PilotBoardingPlace									
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , callSign{0,1} , categoryOfPilotBoardingPlace{0,1} , categoryOfPreference{0,1} , categoryOfVessel{0,1} , communicationChannel* , destination{0,1} , pilotMovement{0,1} , pilotVessel{0,1} , status* , theCollection{0,1} , serviceProvider* , geometry+									
Children	callSign, categoryOfPilotBoardingPlace, categoryOfPreference, categoryOfVessel, communicationChannel, destination, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, pilotMovement, pilotVessel, serviceProvider, sourceIndication, status, textContent, theCartographicText, theCollection, theContactDetails, theInformation, theRxN									
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> <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	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.	
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gml:id	ID	required								
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Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd									

Complex Type PilotServiceType

Namespace	http://www.ihc.int/S127/2.0
Annotations	The service provided by a person who directs the movements of a vessel through pilot waters, usually a person who has demonstrated extensive knowledge of channels, aids to navigation, dangers to navigation, etc., in a particular area and is licensed for that area.

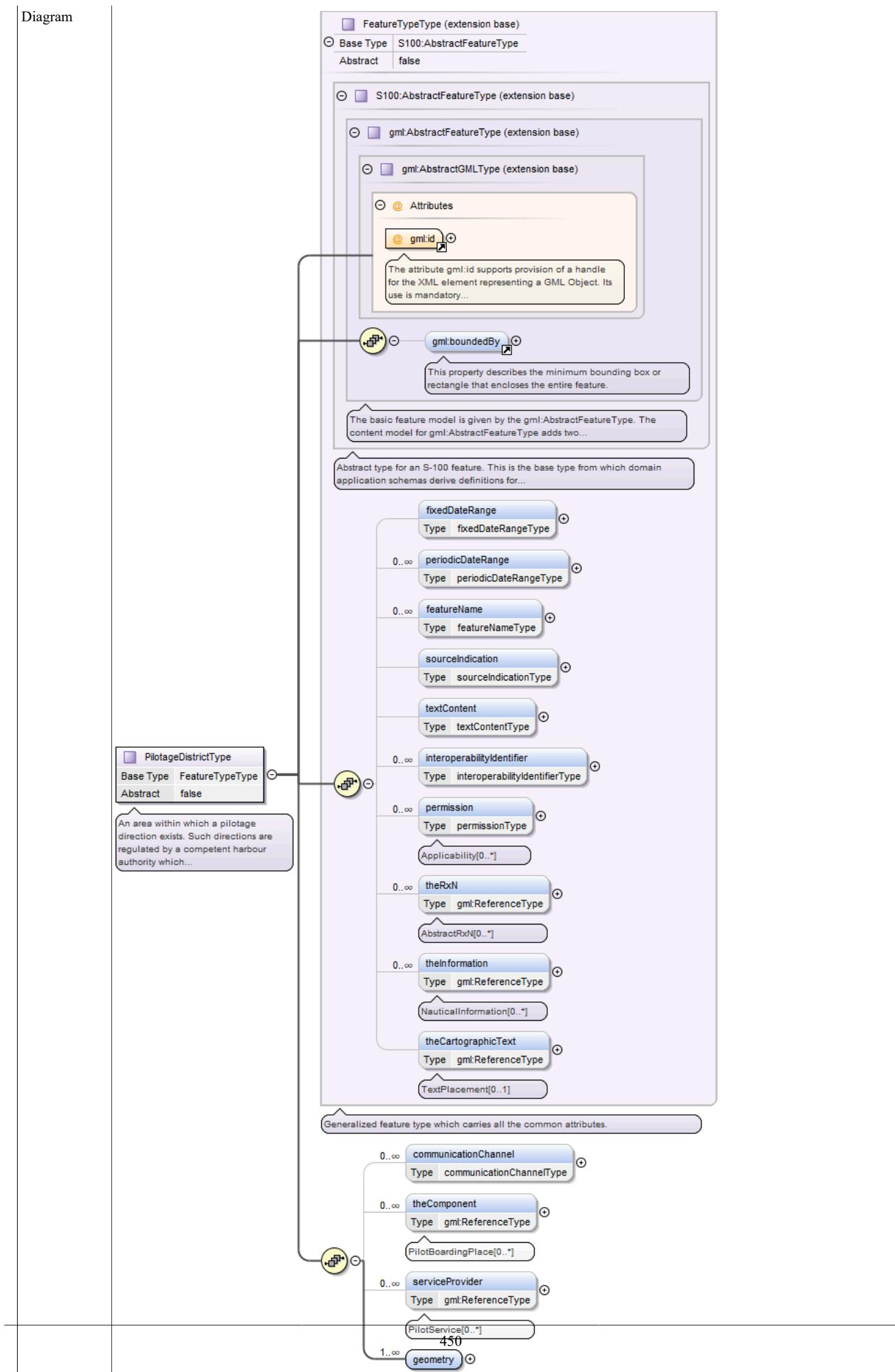
Diagram



Type	extension of ReportableServiceAreaType								
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • ReportableServiceAreaType • PilotServiceType 								
Properties	abstract: false								
Used by	Element PilotService								
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , reptForTrafficServ* , categoryOfPilot* , pilotQualification{0,1} , pilotRequest{0,1} , remotePilot , noticeTime{0,1} , theServiceHours{0,1} , serviceArea* , geometry+								
Children	categoryOfPilot, controlAuthority, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, noticeTime, periodicDateRange, permission, pilotQualification, pilotRequest, remotePilot, reptForTrafficServ, serviceArea, sourceIndication, textContent, theCartographicText, theContactDetails, theInformation, theRxN, theServiceHours								
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QName	Type	Use							
gml:id	ID	required							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Complex Type PilotageDistrictType

Namespace	http://www.ihc.int/S127/2.0
Annotations	An area within which a pilotage direction exists. Such directions are regulated by a competent harbour authority which dictates circumstances under which they apply.

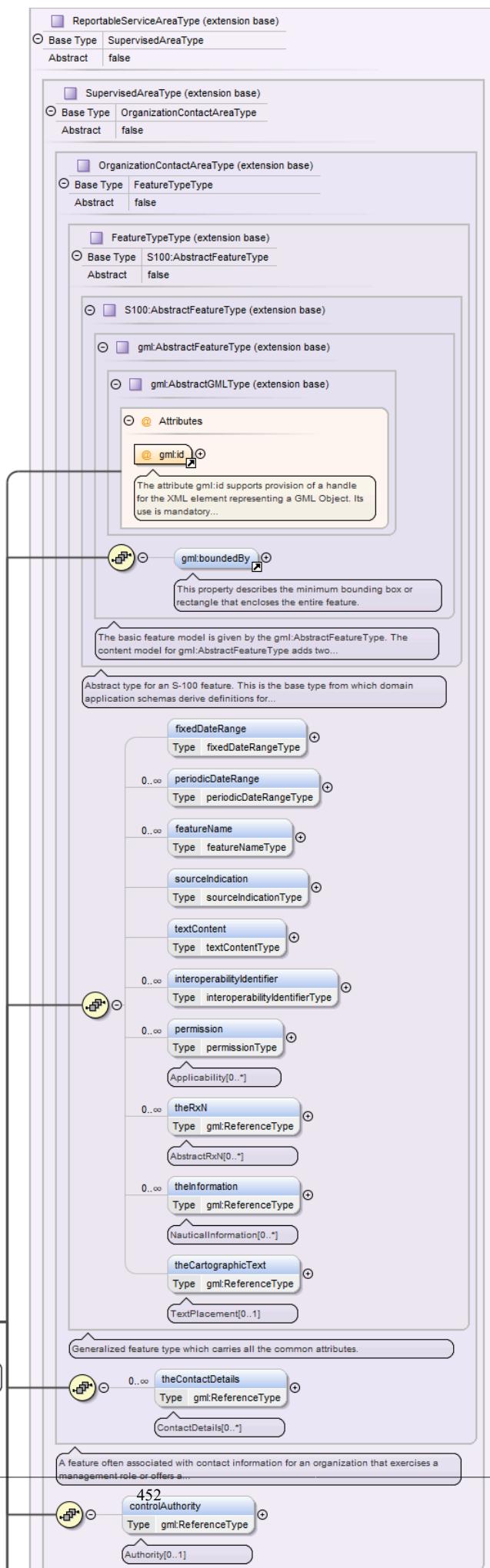


Type	extension of FeatureTypeType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • PilotageDistrictType 														
Properties	abstract: false														
Used by	Element PilotageDistrict														
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , communicationChannel* , theComponent* , serviceProvider* , geometry+														
Children	communicationChannel, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, serviceProvider, sourceIndication, textContent, theCartographicText, theComponent, theInformation, theRxN														
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> <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 occurs.</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.			
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gml:id	ID	required													
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Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd														

Complex Type PiracyRiskAreaType

Namespace	http://www.ihc.int/S127/2.0
Annotations	An area where there is a raised risk of piracy or armed robbery.

Diagram

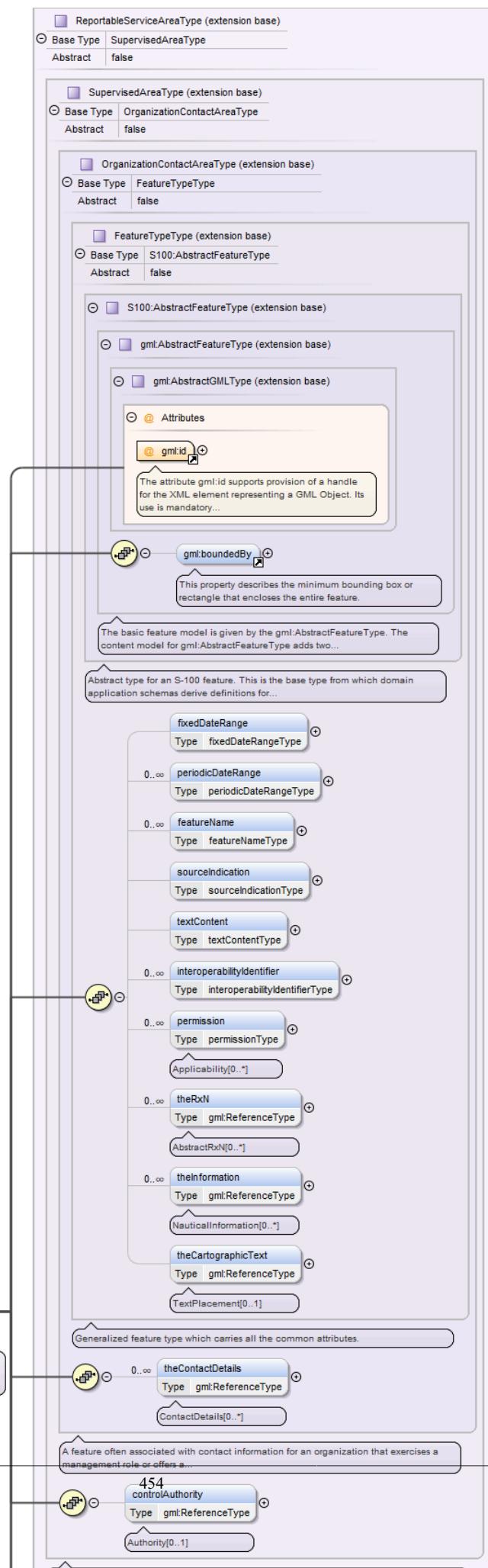


Type	extension of ReportableServiceAreaType											
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • ReportableServiceAreaType • PiracyRiskAreaType 											
Properties	abstract: false											
Used by	Element PiracyRiskArea											
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , reptForTrafficServ* , restriction* , status* , geometry+											
Children	controlAuthority, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, reptForTrafficServ, restriction, sourceIndication, status, textContent, theCartographicText, theContactDetails, theInformation, theRxN											
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Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd											

Complex Type PlaceOfRefugeType

Namespace	http://www.ihc.int/S127/2.0
Annotations	A place where a ship in need of assistance can take action to enable it to stabilize its condition and reduce the hazards to navigation, and to protect human life and the environment.

Diagram

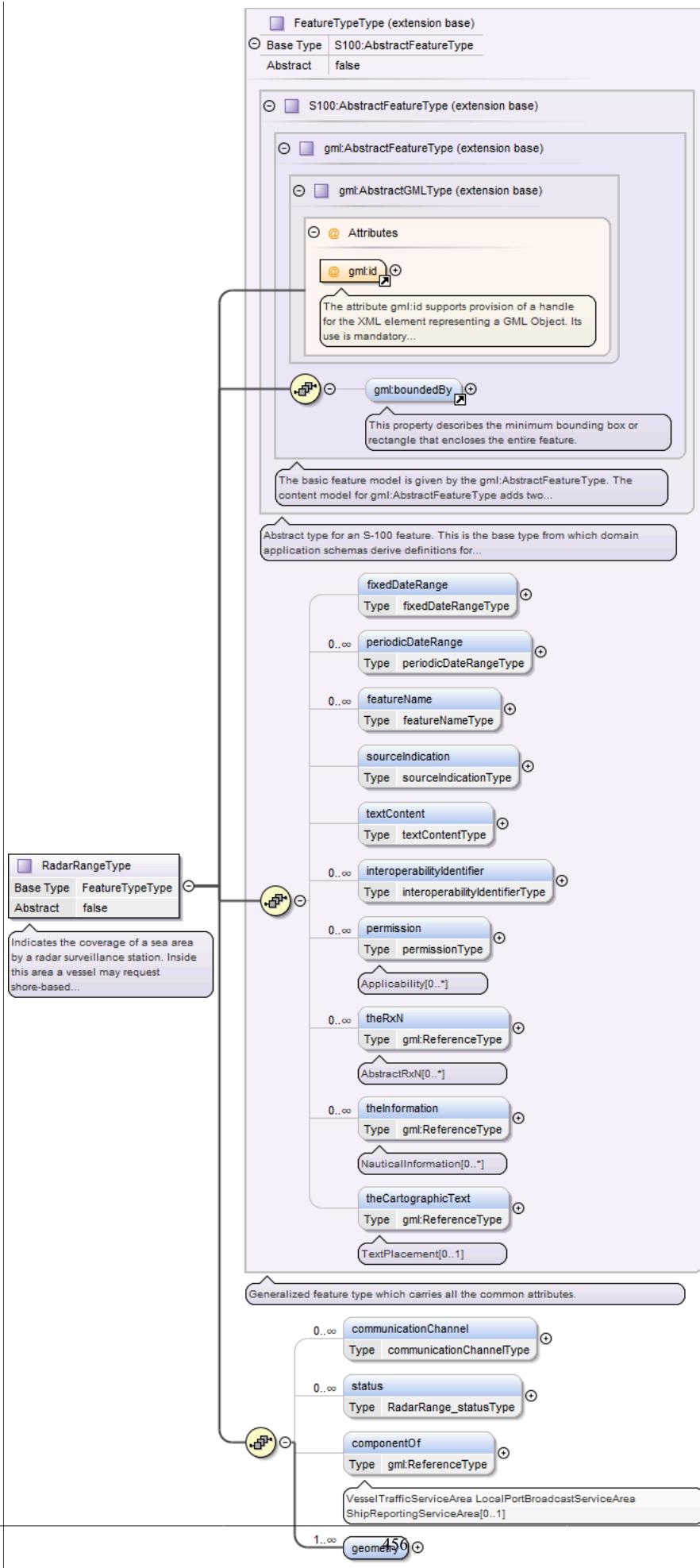


Type	extension of ReportableServiceAreaType											
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • ReportableServiceAreaType • PlaceOfRefugeType 											
Properties	abstract: false											
Used by	Element PlaceOfRefuge											
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , reptForTrafficServ* , communicationChannel* , status* , geometry+											
Children	communicationChannel, controlAuthority, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, reptForTrafficServ, sourceIndication, status, textContent, theCartographicText, theContactDetails, theInformation, theRxN											
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Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd											

Complex Type RadarRangeType

Namespace	http://www.ihc.int/S127/2.0
Annotations	Indicates the coverage of a sea area by a radar surveillance station. Inside this area a vessel may request shore-based radar assistance, particularly in poor visibility.

Diagram

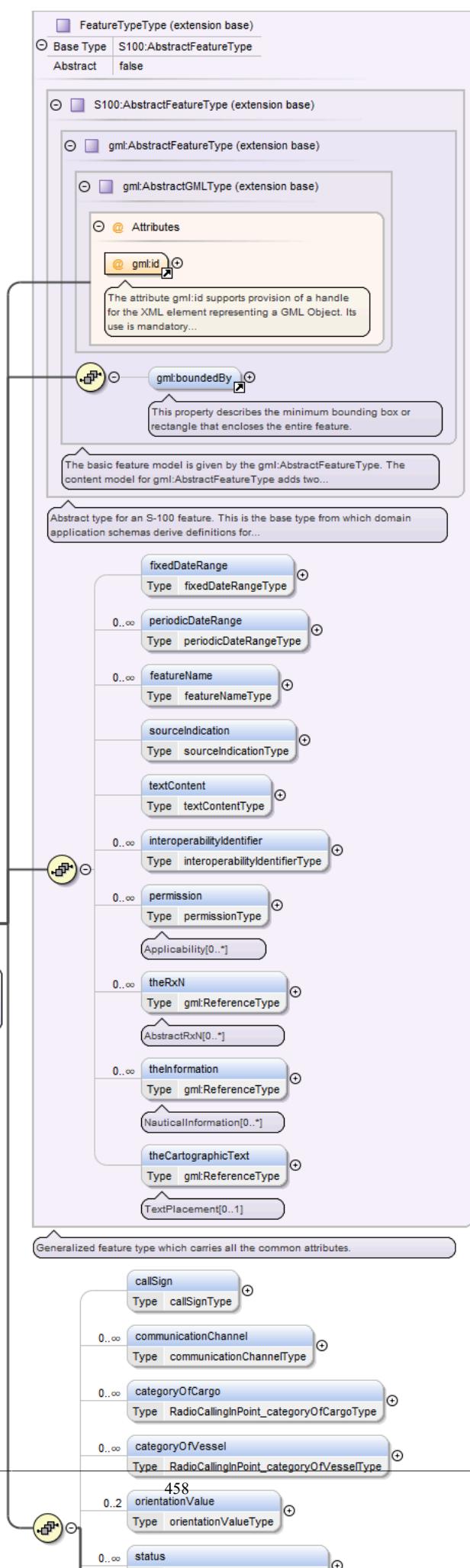


Type	extension of FeatureTypeType										
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code> • <code>FeatureTypeType</code> • <code>RadarRangeType</code> 										
Properties	<code>abstract:</code> <code>false</code>										
Used by	Element <code>RadarRange</code>										
Model	<code>gml:boundedBy{0,1}</code> , <code>fixedDateRange{0,1}</code> , <code>periodicDateRange*</code> , <code>featureName*</code> , <code>sourceIndication{0,1}</code> , <code>textContent{0,1}</code> , <code>interoperabilityIdentifier*</code> , <code>permission*</code> , <code>theRxN*</code> , <code>theInformation*</code> , <code>theCartographicText{0,1}</code> , <code>communicationChannel*</code> , <code>status*</code> , <code>componentOf{0,1}</code> , <code>geometry+</code>										
Children	<code>communicationChannel</code> , <code>componentOf</code> , <code>featureName</code> , <code>fixedDateRange</code> , <code>geometry</code> , <code>gml:boundedBy</code> , <code>interoperabilityIdentifier</code> , <code>periodicDateRange</code> , <code>permission</code> , <code>sourceIndication</code> , <code>status</code> , <code>textContent</code> , <code>theCartographicText</code> , <code>theInformation</code> , <code>theRxN</code>										
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QName	Type	Use									
<code>gml:id</code>	ID	required									
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd										

Complex Type RadioCallingInPointType

Namespace	http://www.ihointerfaces.org/S127/2.0
Annotations	A designated position at which vessels are required to report to a traffic control centre. Also called reporting point or radio reporting point.

Diagram

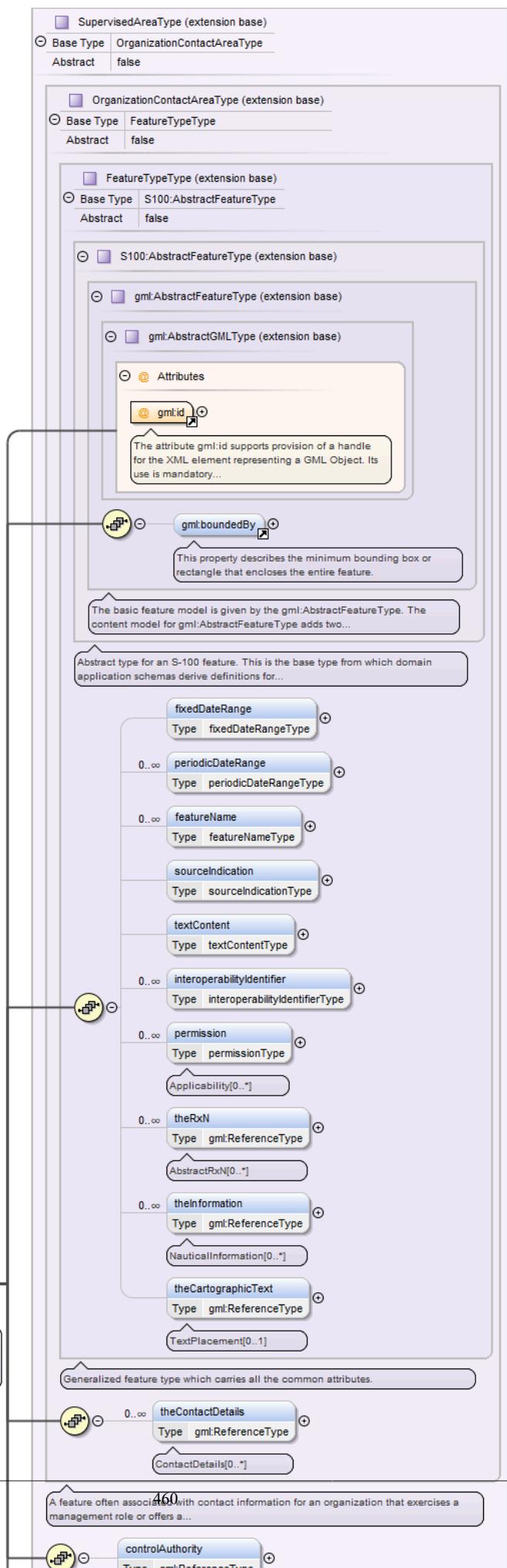


Type	extension of FeatureTypeType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • RadioCallingInPointType 														
Properties	abstract: false														
Used by	Element RadioCallingInPoint														
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , callSign{0,1} , communicationChannel* , categoryOfCargo* , categoryOfVessel* , orientationValue{0,2} , status* , trafficFlow , componentOf{0,1} , geometry+														
Children	callSign, categoryOfCargo, categoryOfVessel, communicationChannel, componentOf, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, orientationValue, periodicDateRange, permission, sourceIndication, status, textContent, theCartographicText, theInformation, theRxN, trafficFlow														
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Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd														

Complex Type RestrictedAreaType

Namespace	http://www.ihc.int/S127/2.0
Annotations	A specified area designated by an appropriate authority within which navigation is restricted in accordance with certain specified conditions.

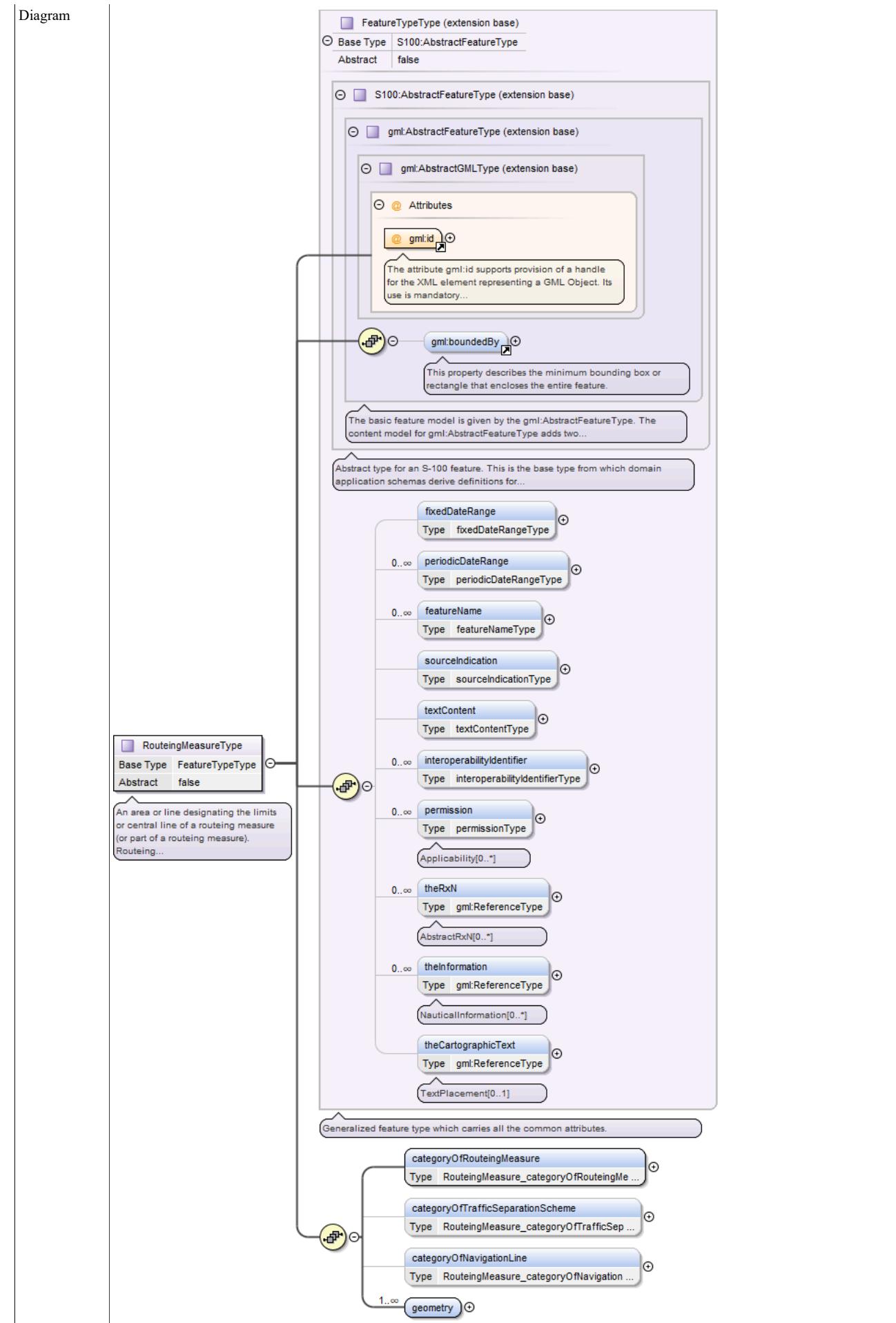
Diagram



Type	extension of SupervisedAreaType								
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • RestrictedAreaType 								
Properties	abstract: false								
Used by	Element RestrictedArea								
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , categoryOfRestrictedArea* , restriction+ , status* , geometry+								
Children	categoryOfRestrictedArea, controlAuthority, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, restriction, sourceIndication, status, textContent, theCartographicText, theContactDetails, theInformation, theRxN								
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							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Complex Type RouteingMeasureType

Namespace	http://www.ihc.int/S127/2.0
Annotations	An area or line designating the limits or central line of a routeing measure (or part of a routeing measure). Routeing measures include traffic separation schemes, deep-water routes, two-way routes, archipelagic sea lanes, and fairway systems.

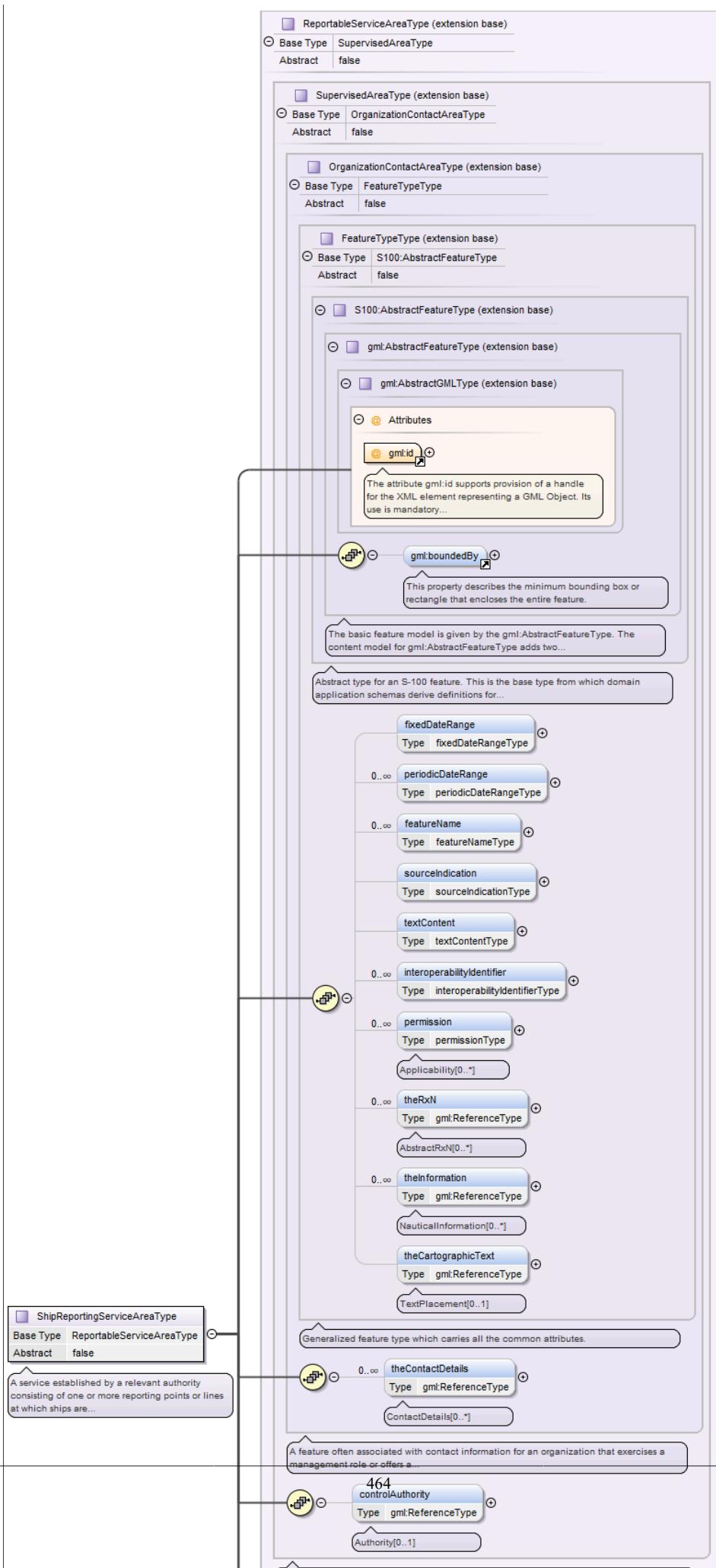


Type	extension of FeatureTypeType														
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code> • <code>FeatureTypeType</code> • <code>RouteingMeasureType</code> 														
Properties	<code>abstract:</code> <code>false</code>														
Used by	Element <code>RouteingMeasure</code>														
Model	<code>gml:boundedBy{0,1}</code> , <code>fixedDateRange{0,1}</code> , <code>periodicDateRange*</code> , <code>featureName*</code> , <code>sourceIndication{0,1}</code> , <code>textContent{0,1}</code> , <code>interoperabilityIdentifier*</code> , <code>permission*</code> , <code>theRxN*</code> , <code>theInformation*</code> , <code>theCartographicText{0,1}</code> , <code>categoryOfRouteingMeasure</code> , <code>categoryOfTrafficSeparationScheme{0,1}</code> , <code>categoryOfNavigationLine{0,1}</code> , <code>geometry+</code>														
Children	<code>categoryOfNavigationLine</code> , <code>categoryOfRouteingMeasure</code> , <code>categoryOfTrafficSeparationScheme</code> , <code>featureName</code> , <code>fixedDateRange</code> , <code>geometry</code> , <code>gml:boundedBy</code> , <code>interoperabilityIdentifier</code> , <code>periodicDateRange</code> , <code>permission</code> , <code>sourceIndication</code> , <code>textContent</code> , <code>theCartographicText</code> , <code>theInformation</code> , <code>theRxN</code>														
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Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd														

Complex Type `ShipReportingServiceAreaType`

Namespace	http://www.ihointeraction.org/S127/2.0
Annotations	A service established by a relevant authority consisting of one or more reporting points or lines at which ships are required to report their identity, course, speed and other data to the monitoring authority.

Diagram

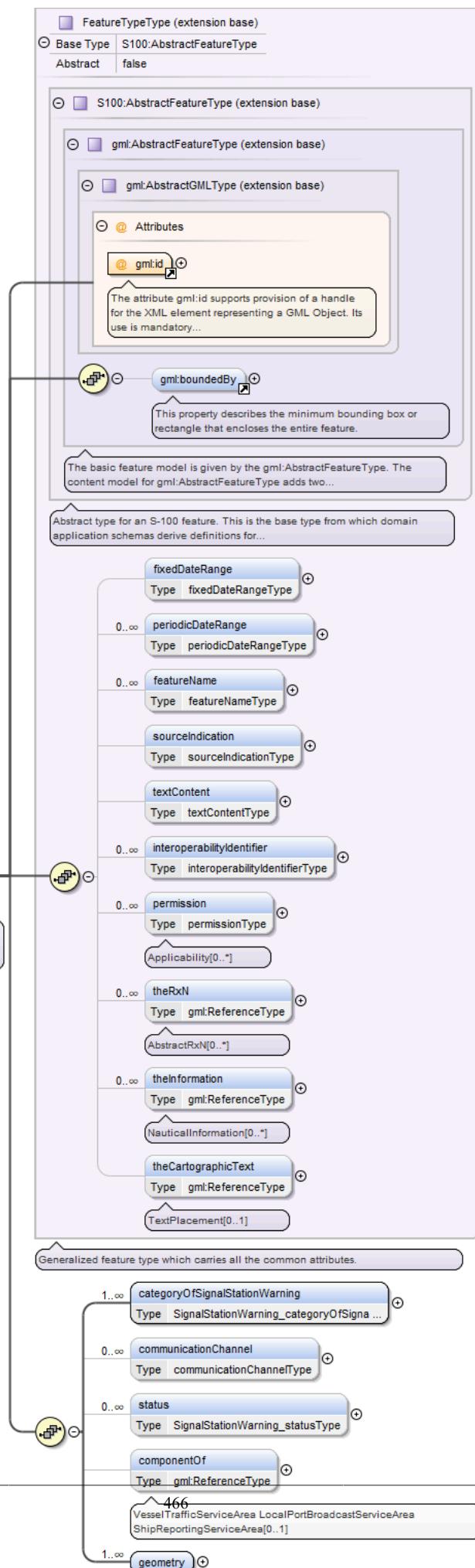


Type	extension of ReportableServiceAreaType								
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • ReportableServiceAreaType • ShipReportingServiceAreaType 								
Properties	abstract: false								
Used by	Element ShipReportingServiceArea								
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , reptForTrafficServ* , serviceAccessProcedure{0,1} , requirementsForMaintenanceOfListeningWatch , consistsOf* , geometry+								
Children	consistsOf, controlAuthority, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, reptForTrafficServ, requirementsForMaintenanceOfListeningWatch, serviceAccessProcedure, sourceIndication, textContent, theCartographicText, theContactDetails, theInformation, theRxN								
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QName	Type	Use							
gml:id	ID	required							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Complex Type SignalStationWarningType

Namespace	http://www.ihc.int/S127/2.0
Annotations	A warning signal station is a place on shore from which warning signals are made to ships at sea.

Diagram

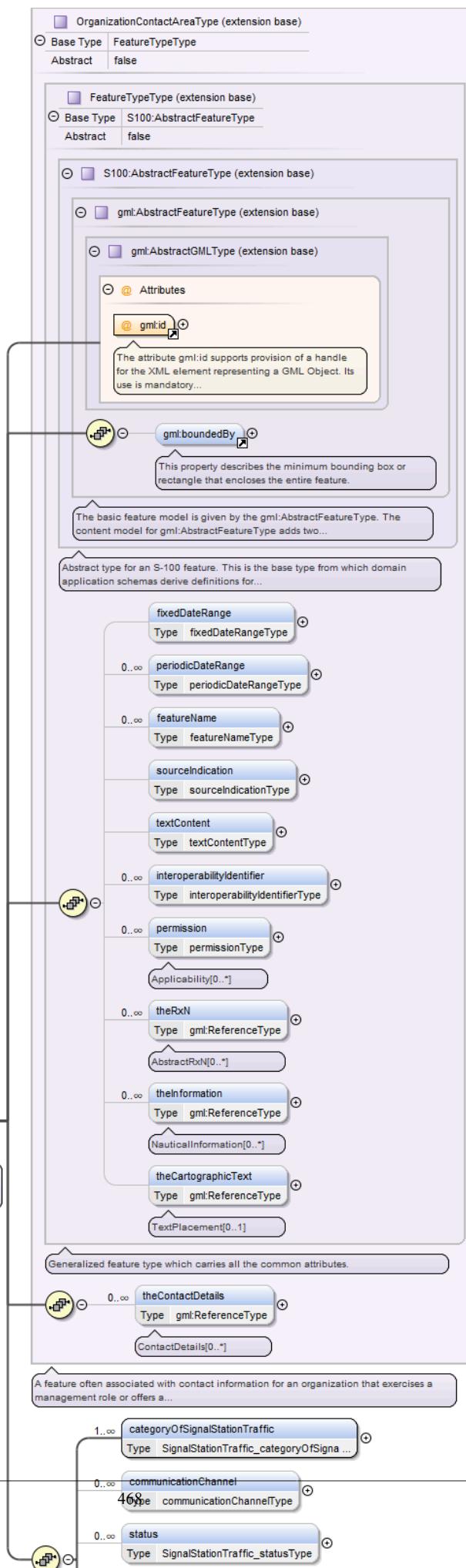


Type	extension of FeatureTypeType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • SignalStationWarningType 														
Properties	abstract: false														
Used by	Element SignalStationWarning														
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , categoryOfSignalStationWarning+ , communicationChannel* , status* , componentOf{0,1} , geometry+														
Children	categoryOfSignalStationWarning, communicationChannel, componentOf, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, sourceIndication, status, textContent, theCartographicText, theInformation, theRxN														
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> <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		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.				
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Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd														

Complex Type SignalStationTrafficType

Namespace	http://www.ihoint/S127/2.0
Annotations	A traffic signal station is a place on shore from which signals are made to regulate the movement of traffic.

Diagram

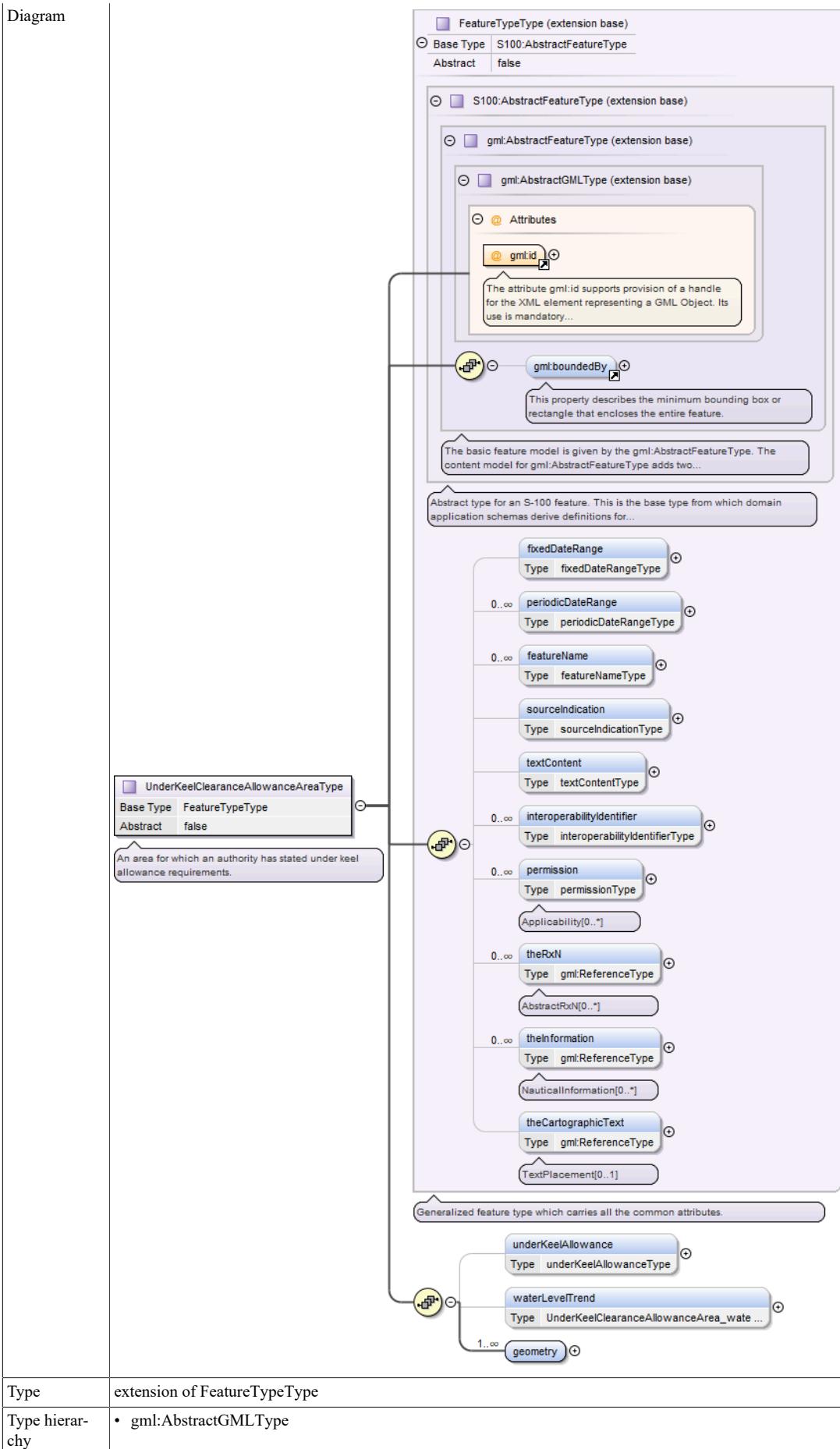


Type	extension of OrganizationContactAreaType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SignalStationTrafficType 										
Properties	abstract: false										
Used by	Element SignalStationTraffic										
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , categoryOfSignalStationTraffic+ , communicationChannel* , status* , componentOf{0,1} , geometry+										
Children	categoryOfSignalStationTraffic, communicationChannel, componentOf, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, sourceIndication, status, textContent, theCartographicText, theContactDetails, theInformation, theRxN										
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									
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd										

Complex Type UnderKeelClearanceAllowanceAreaType

Namespace	http://www.ihointerfaces.org/S127/2.0
Annotations	An area for which an authority has stated under keel allowance requirements.

Diagram

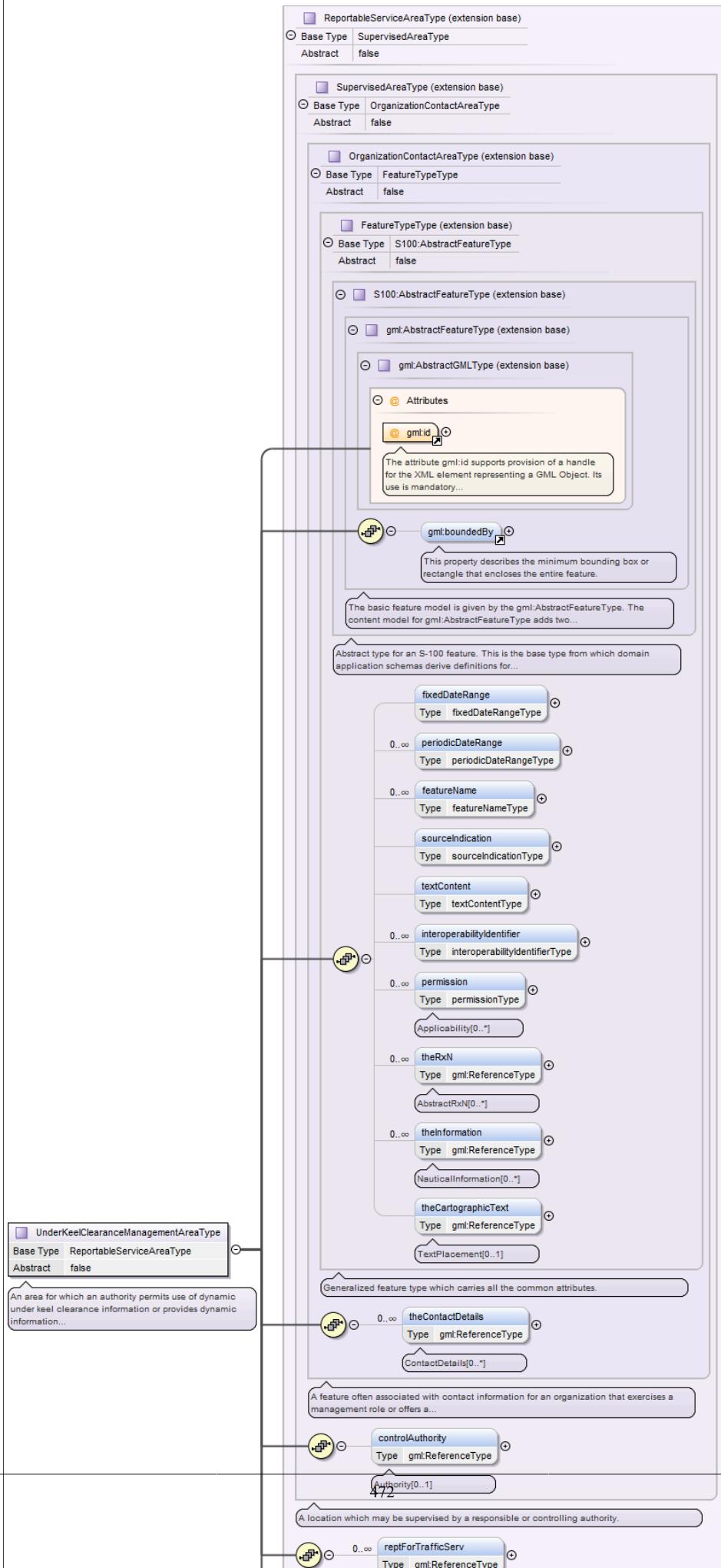


	<ul style="list-style-type: none"> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code> • <code>FeatureTypeType</code> • <code>UnderKeelClearanceAllowanceAreaType</code> 												
Properties	abstract: <code>false</code>												
Used by	Element <code>UnderKeelClearanceAllowanceArea</code>												
Model	<code>gml:boundedBy{0,1}</code> , <code>fixedDateRange{0,1}</code> , <code>periodicDateRange*</code> , <code>featureName*</code> , <code>sourceIndication{0,1}</code> , <code>textContent{0,1}</code> , <code>interoperabilityIdentifier*</code> , <code>permission*</code> , <code>theRxN*</code> , <code>theInformation*</code> , <code>theCartographicText{0,1}</code> , <code>underKeelAllowance{0,1}</code> , <code>waterLevelTrend{0,1}</code> , <code>geometry+</code>												
Children	<code>featureName</code> , <code>fixedDateRange</code> , <code>geometry</code> , <code>gml:boundedBy</code> , <code>interoperabilityIdentifier</code> , <code>periodicDateRange</code> , <code>permission</code> , <code>sourceIndication</code> , <code>textContent</code> , <code>theCartographicText</code> , <code>theInformation</code> , <code>theRxN</code> , <code>underKeelAllowance</code> , <code>waterLevelTrend</code>												
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><th style="text-align: left; padding: 2px;"></th></tr> </thead> <tbody> <tr> <td style="padding: 2px;"><code>gml:id</code></td><td style="padding: 2px;"><code>ID</code></td><td style="padding: 2px;">required</td><td style="padding: 2px;"></td></tr> <tr> <td style="height: 80px; vertical-align: top; padding: 2px;"></td><td colspan="3" style="padding: 2px; font-size: small;"> <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>	<code>ID</code>	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>		
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Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd												

Complex Type `UnderKeelClearanceManagementAreaType`

Namespace	<code>http://www.ihointerport.org/S127/2.0</code>
Annotations	An area for which an authority permits use of dynamic under keel clearance information or provides dynamic information related to under keel clearances.

Diagram

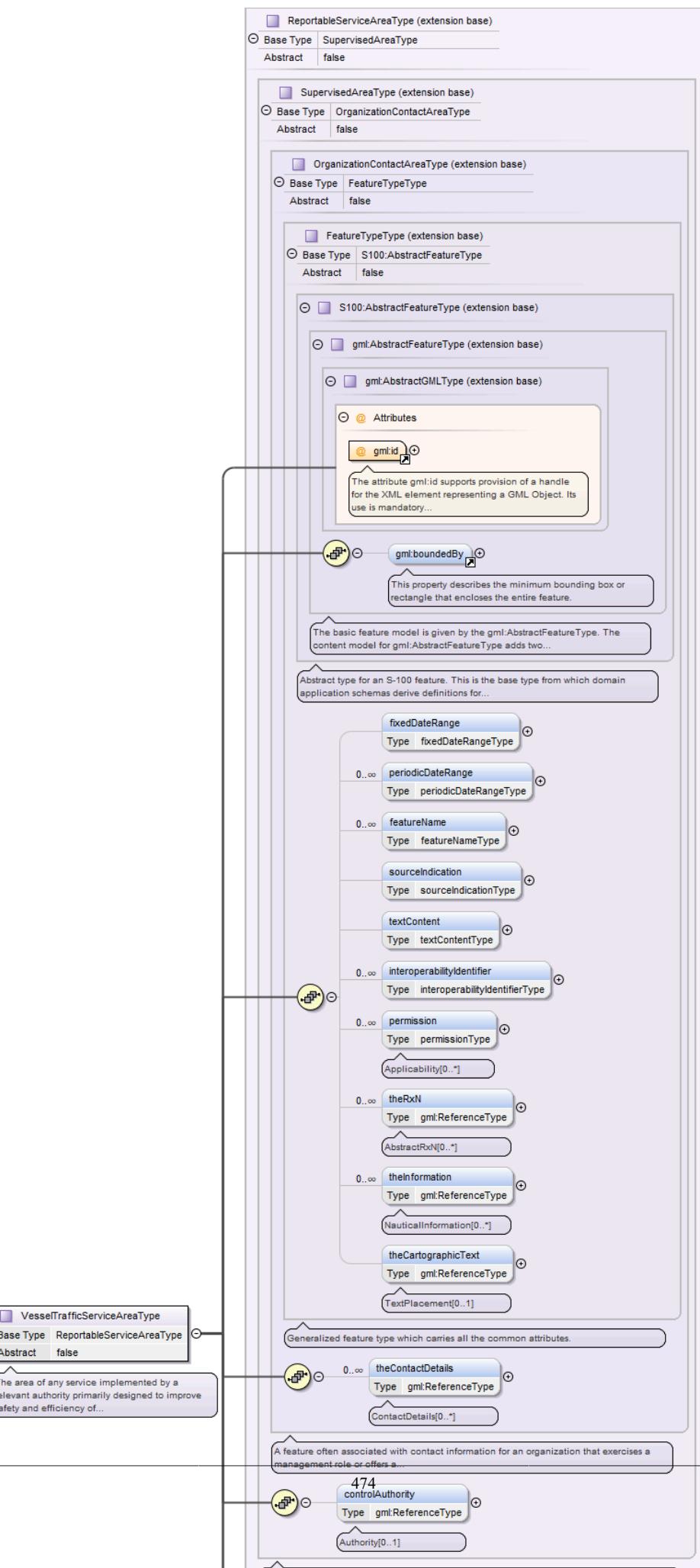


Type	extension of ReportableServiceAreaType											
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • ReportableServiceAreaType • UnderKeelClearanceManagementAreaType 											
Properties	abstract: false											
Used by	Element UnderKeelClearanceManagementArea											
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , reptForTrafficServ* , dynamicResource , geometry+											
Children	controlAuthority, dynamicResource, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, reptForTrafficServ, sourceIndication, textContent, theCartographicText, theContactDetails, theInformation, theRxN											
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> <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	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										
	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.											
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd											

Complex Type VesselTrafficServiceAreaType

Namespace	http://www.ihc.int/S127/2.0
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

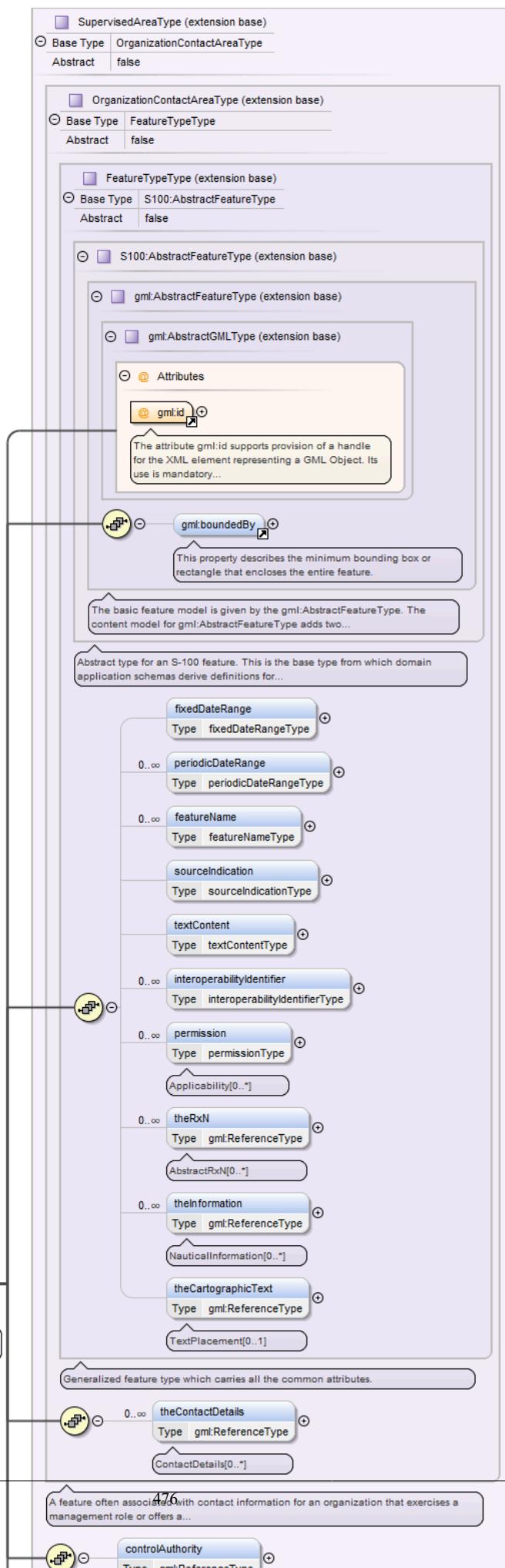


Type	extension of ReportableServiceAreaType								
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • ReportableServiceAreaType • VesselTrafficServiceAreaType 								
Properties	abstract: false								
Used by	Element VesselTrafficServiceArea								
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , reptForTrafficServ* , serviceAccessProcedure{0,1} , requirementsForMaintenanceOfListeningWatch , consistsOf* , geometry+								
Children	consistsOf, controlAuthority, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, reptForTrafficServ, requirementsForMaintenanceOfListeningWatch, serviceAccessProcedure, sourceIndication, textContent, theCartographicText, theContactDetails, theInformation, theRxN								
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QName	Type	Use							
gml:id	ID	required							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Complex Type WaterwayAreaType

Namespace	http://www.ihc.int/S127/2.0
Annotations	An area in which uniform general information of the waterway exists.

Diagram



Type	extension of SupervisedAreaType								
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType <ul style="list-style-type: none"> • SupervisedAreaType • WaterwayAreaType 								
Properties	abstract: false								
Used by	Element WaterwayArea								
Model	gml:boundedBy{0,1} , fixedDateRange{0,1} , periodicDateRange* , featureName* , sourceIndication{0,1} , textContent{0,1} , interoperabilityIdentifier* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , dynamicResource , siltationRate{0,1} , status* , geometry+								
Children	controlAuthority, dynamicResource, featureName, fixedDateRange, geometry, gml:boundedBy, interoperabilityIdentifier, periodicDateRange, permission, siltationRate, sourceIndication, status, textContent, theCartographicText, theContactDetails, theInformation, theRxN								
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QName	Type	Use							
gml:id	ID	required							
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd								

Complex Type DataCoverageType

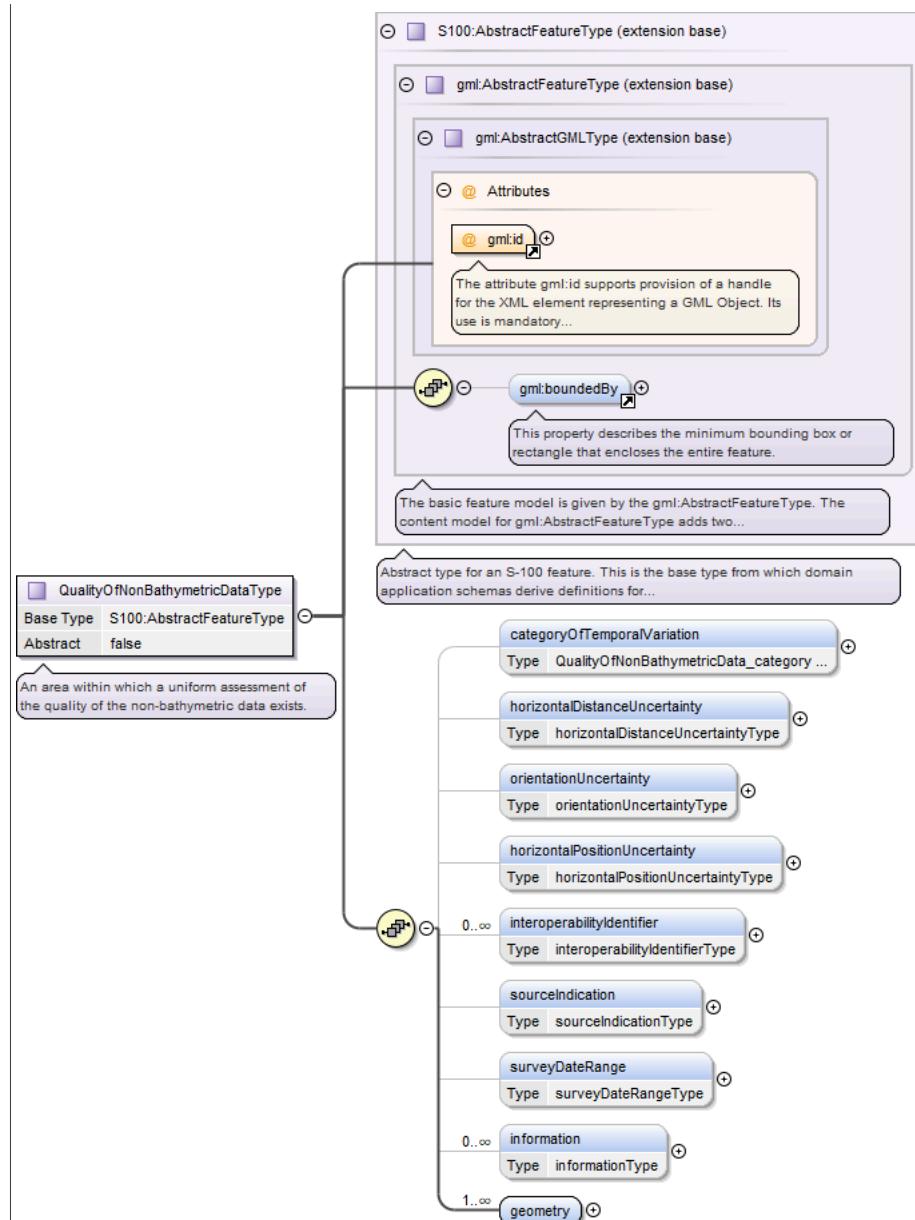
Namespace	http://www.ihc.int/S127/2.0
Annotations	A geographical area that describes the coverage and extent of spatial objects.

Diagram	<pre> classDiagram S100::AbstractFeatureType < -- gml::AbstractFeatureType gml::AbstractFeatureType < -- gml::AbstractGMLType gml::AbstractGMLType < -- Attributes Attributes < -- gml:id Attributes < -- gml:boundedBy DataCoverageType < -- S100::AbstractFeatureType </pre> <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"> gml:id: The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory... gml:boundedBy: This property describes the minimum bounding box or rectangle that encloses the entire feature. <p>DataCoverageType</p> <p>Base Type: S100:AbstractFeatureType Abstract: false</p> <p>A geographical area that describes the coverage and extent of spatial objects.</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> <ul style="list-style-type: none"> interoperabilityIdentifier: Type interoperabilityIdentifierType maximumDisplayScale: Type maximumDisplayScaleType minimumDisplayScale: Type minimumDisplayScaleType geometry: Type geometryType 									
Type	extension of AbstractFeatureType									
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • DataCoverageType 									
Properties	abstract: false									
Used by	Element DataCoverage									
Model	gml:boundedBy{0,1} , interoperabilityIdentifier* , maximumDisplayScale , minimumDisplayScale , geometry+									
Children	geometry, gml:boundedBy, interoperabilityIdentifier, maximumDisplayScale, minimumDisplayScale									
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> <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	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.	
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Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd									

Complex Type QualityOfNonBathymetricDataType

Namespace	http://www.ihc.int/S127/2.0
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"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code> • <code>QualityOfNonBathymetricDataType</code> 												
Properties	abstract: false												
Used by	Element <code>QualityOfNonBathymetricData</code>												
Model	<code>gml:boundedBy{0,1}</code> , <code>categoryOfTemporalVariation{0,1}</code> , <code>horizontalDistanceUncertainty{0,1}</code> , <code>orientationUncertainty{0,1}</code> , <code>horizontalPositionUncertainty{0,1}</code> , <code>interoperabilityIdentifier*</code> , <code>sourceIndication{0,1}</code> , <code>surveyDateRange{0,1}</code> , <code>information*</code> , <code>geometry+</code>												
Children	<code>categoryOfTemporalVariation</code> , <code>geometry</code> , <code>gml:boundedBy</code> , <code>horizontalDistanceUncertainty</code> , <code>horizontalPositionUncertainty</code> , <code>information</code> , <code>interoperabilityIdentifier</code> , <code>orientationUncertainty</code> , <code>sourceIndication</code> , <code>surveyDateRange</code>												
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QName	Type	Use											
gml:id	ID	required											
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	QName	Type	Use
		type ID, so is constrained to be unique in the XML document within which it occurs.	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type TextPlacementType

Namespace	http://www.ihc.int/S127/2.0		
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	<pre> classDiagram S100::AbstractFeatureType < -- gml::AbstractFeatureType gml::AbstractFeatureType < -- gml::AbstractGMLType gml::AbstractGMLType < -- Attributes Attributes < -- @gml:id Attributes < -- gml:boundedBy gml:boundedBy --> "This property describes the minimum bounding box or rectangle that encloses the entire feature." gml:AbstractFeatureType --> "The basic feature model is given by the gml:AbstractFeatureType. The content model for gml:AbstractFeatureType adds two..." TextPlacementType < -- S100::AbstractFeatureType TextPlacementType --> "The Text Placement feature is used in association with the Feature Name attribute or a light description to optimize..." </pre>		
Type	extension of AbstractFeatureType		
Type hierarchy	<ul style="list-style-type: none"> gml:AbstractGMLType gml:AbstractFeatureType <ul style="list-style-type: none"> AbstractFeatureType TextPlacementType 		
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+		

Children	geometry, gml:boundedBy, scaleMinimum, textOffsetBearing, textOffsetDistance, textRotation, textType, thePositionProvider		
Attributes	QName gml:id	Type ID	Use required
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Complex Type ThisDatasetType

Namespace	http://www.ihc.int/S127/2.0
Diagram	
Type	extension of DatasetType
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • DatasetType

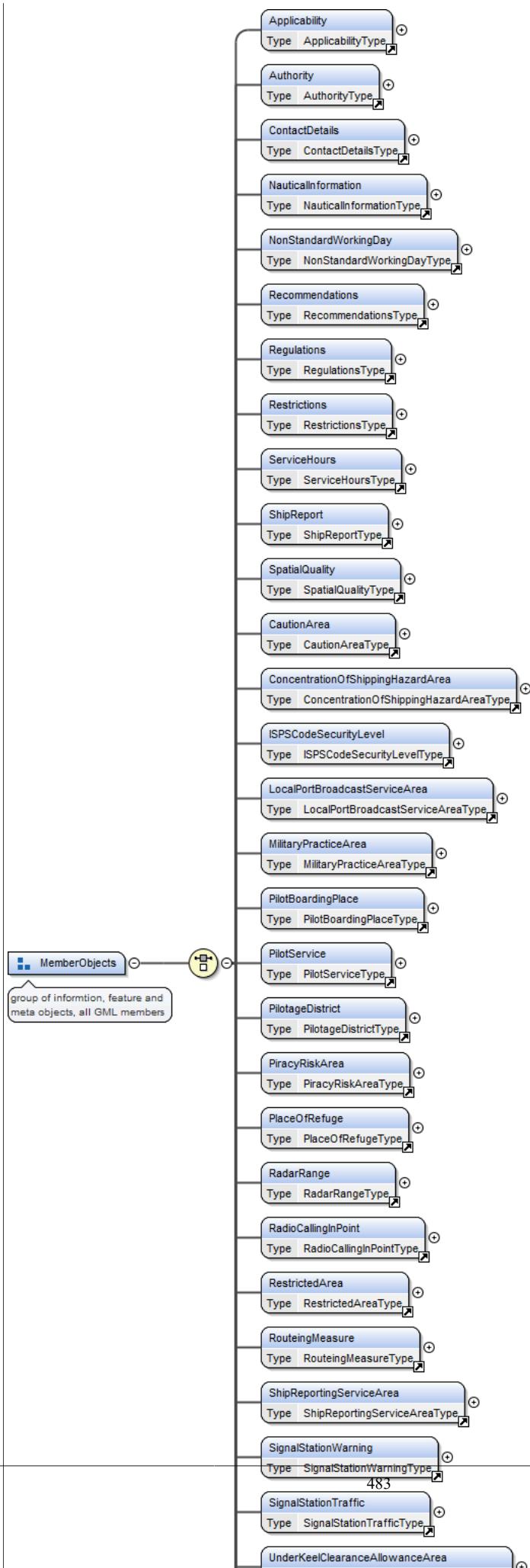
		<ul style="list-style-type: none"> • ThisDatasetType 												
Used by	Element	Dataset												
Model	gml:boundedBy{0,1} , DatasetIdentificationInformation , (Point MultiPoint Curve CompositeCurve OrientableCurve Surface Polygon) , members													
Children	CompositeCurve, Curve, DatasetIdentificationInformation, MultiPoint, OrientableCurve, Point, Polygon, Surface, gml:boundedBy, members													
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> <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 occurs.</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.		
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Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd													

Element Group(s)

Element Group MemberObjects

Namespace	http://www.ihc.int/S127/2.0
Annotations	group of information, feature and meta objects, all GML members

Diagram



Used by	Element	ThisDatasetType/members
Model		Applicability Authority ContactDetails NauticalInformation NonStandardWorkingDay Recommendations Regulations Restrictions ServiceHours ShipReport SpatialQuality CautionArea ConcentrationOfShippingHazardArea ISPSCodeSecurityLevel LocalPortBroadcastServiceArea MilitaryPracticeArea PilotBoardingPlace PilotService PilotageDistrict PiracyRiskArea PlaceOfRefuge RadarRange RadioCallingInPoint RestrictedArea RouteingMeasure ShipReportingServiceArea SignalStationWarning SignalStationTraffic UnderKeelClearanceAllowanceArea UnderKeelClearanceManagementArea VesselTrafficServiceArea WaterwayArea DataCoverage QualityOfNonBathymetricData TextPlacement
Children		Applicability, Authority, CautionArea, ConcentrationOfShippingHazardArea, ContactDetails, DataCoverage, ISPSCodeSecurityLevel, LocalPortBroadcastServiceArea, MilitaryPracticeArea, NauticalInformation, NonStandardWorkingDay, PilotBoardingPlace, PilotService, PilotageDistrict, PiracyRiskArea, PlaceOfRefuge, QualityOfNonBathymetricData, RadarRange, RadioCallingInPoint, Recommendations, Regulations, RestrictedArea, Restrictions, RouteingMeasure, ServiceHours, ShipReport, ShipReportingServiceArea, SignalStationTraffic, SignalStationWarning, SpatialQuality, TextPlacement, UnderKeelClearanceAllowanceArea, UnderKeelClearanceManagementArea, VesselTrafficServiceArea, WaterwayArea
Schema location		file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Attribute categoryOfAuthorityType / @code

Namespace	No namespace																																							
Type	categoryOfAuthorityCode																																							
Properties	use: required																																							
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> <tr> <td>enumeration</td> <td>5</td> <td>The authority controlling people entering a country.</td> </tr> <tr> <td>enumeration</td> <td>6</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>7</td> <td>Organization keeping watch on shipping and coastal waters according to governmental law; normally the authority with responsibility for search and rescue.</td> </tr> <tr> <td>enumeration</td> <td>8</td> <td>The authority with responsibility for preventing infection of the agriculture of a country and for the protection of the agricultural interests of a country.</td> </tr> <tr> <td>enumeration</td> <td>9</td> <td>A military authority which provides control of access to or approval for transit through designated areas or airspace.</td> </tr> <tr> <td>enumeration</td> <td>10</td> <td>A private or publicly owned company or commercial enterprise which exercises control of facilities, for example a calibration area.</td> </tr> <tr> <td>enumeration</td> <td>11</td> <td>A governmental or military force with jurisdiction in territorial waters. Examples could include Gendarmerie Maritime, Carabinierie, and Guardia Civil.</td> </tr> <tr> <td>enumeration</td> <td>12</td> <td>An authority with responsibility for the protection of the environment.</td> </tr> <tr> <td>enumeration</td> <td>13</td> <td>An authority with responsibility for the control of fisheries.</td> </tr> <tr> <td>enumeration</td> <td>14</td> <td>An authority with responsibility for the control and movement of money.</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	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.
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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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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.
Used by	Complex Type	Authority_categoryOfAuthorityType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Attribute sourceIndication_categoryOfAuthorityType / @code

Namespace	No namespace
Type	sourceIndication_categoryOfAuthorityCode
Properties	use: required
Used by	Complex Type sourceIndication_categoryOfAuthorityType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute categoryOfCargoType / @code

Namespace	No namespace
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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	9 Material carried by a ship to ensure its stability.
	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
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

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
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Attribute RadioCallingInPoint_categoryOfCargoType / @code

Namespace	No namespace	
Type	RadioCallingInPoint_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 9	Material carried by a ship to ensure its stability.
Used by	Complex Type	RadioCallingInPoint_categoryOfCargoType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Attribute categoryOfConcentrationOfShippingHazardAreaType / @code

Namespace	No namespace		
Type	categoryOfConcentrationOfShippingHazardAreaCode		
Properties	use: required		
Facets	enumeration	1	Concentration of vessels whose primary purpose is to engage in commerce, including ferries.
	enumeration	2	Concentration of powered or sailing vessels principally engaged in recreation, leisure, or sporting competition.
	enumeration	3	Concentration of vessels whose primary purpose is to hunt, trap or process fish. The concentration could be on the fishing ground, in transit or in the approaches to home bases or fish markets.
	enumeration	4	Concentration of vessels principally engaged in military activities. This includes activities based on mandate of international organizations (for example, UN). The concentration is in areas others than military exercise areas.
Used by	Complex Type	categoryOfConcentrationOfShippingHazardAreaType	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute ConcentrationOfShippingHazardArea_categoryOfConcentrationOfShipping-HazardAreaType / @code

Namespace	No namespace		
Type	ConcentrationOfShippingHazardArea_categoryOfConcentrationOfShippingHazardAreaCode		
Properties	use: required		
Facets	enumeration	1	Concentration of vessels whose primary purpose is to engage in commerce, including ferries.
	enumeration	2	Concentration of powered or sailing vessels principally engaged in recreation, leisure, or sporting competition.
	enumeration	3	Concentration of vessels whose primary purpose is to hunt, trap or process fish. The concentration could be on the fishing ground, in transit or in the approaches to home bases or fish markets.
	enumeration	4	Concentration of vessels principally engaged in military activities. This includes activities based on mandate of international organizations (for example, UN). The concentration is in areas others than military exercise areas.
Used by	Complex Type	ConcentrationOfShippingHazardArea_categoryOfConcentrationOfShippingHazardAreaType	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute categoryOfMilitaryPracticeAreaType / @code

Namespace	No namespace		
Type	categoryOfMilitaryPracticeAreaCode		
Properties	use: required		
Facets	enumeration	2	An area within which exercises are carried out with torpedoes.
	enumeration	3	An area within which submarine exercises are carried out.
	enumeration	4	Areas for bombing and missile exercises.
	enumeration	5	An area within which mine laying exercises are carried out.
	enumeration	6	An area for shooting pistols, rifles and machine guns etc. at a target.
Used by	Complex Type	categoryOfMilitaryPracticeAreaType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute MilitaryPracticeArea_categoryOfMilitaryPracticeAreaType / @code

Namespace	No namespace		
Type	MilitaryPracticeArea_categoryOfMilitaryPracticeAreaCode		
Properties	use: required		
Facets	enumeration	2	An area within which exercises are carried out with torpedoes.
	enumeration	3	An area within which submarine exercises are carried out.
	enumeration	4	Areas for bombing and missile exercises.
	enumeration	5	An area within which mine laying exercises are carried out.
	enumeration	6	An area for shooting pistols, rifles and machine guns etc. at a target.
Used by	Complex Type	MilitaryPracticeArea_categoryOfMilitaryPracticeAreaType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute categoryOfNavigationLineType / @code

Namespace	No namespace
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Type	categoryOfNavigationLineCode		
Properties	use: required		
Facets	enumeration	1	A straight line that marks the boundary between a safe and a dangerous area or that passes clear of a navigational danger.
	enumeration	2	A line passing through one or more fixed marks.
	enumeration	3	A line passing through one or more clearly defined objects, along the path of which a vessel can approach safely up to a certain distance off.
Used by	Complex Type	categoryOfNavigationLineType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute RouteingMeasure_categoryOfNavigationLineType / @code

Namespace	No namespace		
Type	RouteingMeasure_categoryOfNavigationLineCode		
Properties	use: required		
Facets	enumeration	1	A straight line that marks the boundary between a safe and a dangerous area or that passes clear of a navigational danger.
	enumeration	2	A line passing through one or more fixed marks.
	enumeration	3	A line passing through one or more clearly defined objects, along the path of which a vessel can approach safely up to a certain distance off.
Used by	Complex Type	RouteingMeasure_categoryOfNavigationLineType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute categoryOfPilotType / @code

Namespace	No namespace		
Type	categoryOfPilotCode		
Properties	use: required		
Facets	enumeration	1	Pilot licenced to conduct vessels during approach from sea to a specified place which may be a handover place, an anchorage or alongside.
	enumeration	2	Pilot licenced to conduct vessels over extensive sea areas.
	enumeration	3	A reporting point of a harbour.
	enumeration	4	A ridge or succession of ridges of sand or other substances extending across the mouth of a river or harbour and which may obstruct navigation.
	enumeration	5	A relatively large natural stream of water.
	enumeration	6	Pilot licensed to conduct vessels from and to specified places, along the course of a channel. (For example as used in Rio Amazonas and Rio de La Plata.)
	enumeration	7	A large body of water entirely surrounded by land.
	Used by	Complex Type	categoryOfPilotType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute PilotService_categoryOfPilotType / @code

Namespace	No namespace		
Type	PilotService_categoryOfPilotCode		

Properties	use:	required	
Facets	enumeration	1	Pilot licenced to conduct vessels during approach from sea to a specified place which may be a handover place, an anchorage or alongside.
	enumeration	2	Pilot licenced to conduct vessels over extensive sea areas.
	enumeration	3	A reporting point of a harbour.
	enumeration	4	A ridge or succession of ridges of sand or other substances extending across the mouth of a river or harbour and which may obstruct navigation.
	enumeration	5	A relatively large natural stream of water.
	enumeration	6	Pilot licensed to conduct vessels from and to specified places, along the course of a channel. (For example as used in Rio Amazonas and Rio de La Plata.)
	enumeration	7	A large body of water entirely surrounded by land.
Used by	Complex Type	PilotService_categoryOfPilotType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute categoryOfPilotBoardingPlaceType / @code

Namespace	No namespace	
Type	categoryOfPilotBoardingPlaceCode	
Properties	use:	required
Facets	enumeration	1 Pilot boards from a cruising vessel.
	enumeration	2 Pilot boards by helicopter which comes out from the shore.
	enumeration	3 Pilot embarks from a vessel or disembarks on a vessel which comes out from the shore on request.
Used by	Complex Type	categoryOfPilotBoardingPlaceType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Attribute PilotBoardingPlace_categoryOfPilotBoardingPlaceType / @code

Namespace	No namespace	
Type	PilotBoardingPlace_categoryOfPilotBoardingPlaceCode	
Properties	use:	required
Facets	enumeration	1 Pilot boards from a cruising vessel.
	enumeration	2 Pilot boards by helicopter which comes out from the shore.
	enumeration	3 Pilot embarks from a vessel or disembarks on a vessel which comes out from the shore on request.
Used by	Complex Type	PilotBoardingPlace_categoryOfPilotBoardingPlaceType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Attribute categoryOfPreferenceType / @code

Namespace	No namespace	
Type	categoryOfPreferenceCode	
Properties	use:	required
Facets	enumeration	1 The preferred first choice used in normal conditions.

	enumeration	2	The preferred choice in extraordinary conditions.
Used by	Complex Type	categoryOfPreferenceType	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute PilotBoardingPlace_categoryOfPreferenceType / @code

Namespace	No namespace		
Type	PilotBoardingPlace_categoryOfPreferenceCode		
Properties	use: required		
Facets	enumeration	1	The preferred first choice used in normal conditions.
	enumeration	2	The preferred choice in extraordinary conditions.
Used by	Complex Type	PilotBoardingPlace_categoryOfPreferenceType	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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	8	An area, usually about two cables diameter, within which ships' magnetic fields may be measured; sensing instruments and cables are installed on the sea bed in the range and there are cables leading from the range to a control position ashore.
enumeration	9	An area controlled by the military in which restrictions may apply.
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	12	An area around a navigational aid which vessels are prohibited from entering.
enumeration	14	An area laid and maintained with explosive mines for defence or practice purposes.
enumeration	19	An area reserved for vessels waiting to enter a harbour.
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	25	An area where vessels turn.
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	29	An area near a fairway where vessels can go to clear the way or make an about turn and possibly return to a waiting area when nautical conditions impose it.
enumeration	30	An area in which defence, law and treaty enforcement, and counter-terrorism activities that fall within the port and maritime domain apply.
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.
Used by	Complex Type	categoryOfRestrictedAreaType
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

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	8	An area, usually about two cables diameter, within which ships' magnetic fields may be measured; sensing instruments and cables are installed on the sea bed in the range and there are cables leading from the range to a control position ashore.
enumeration	9	An area controlled by the military in which restrictions may apply.
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	12	An area around a navigational aid which vessels are prohibited from entering.
enumeration	14	An area laid and maintained with explosive mines for defence or practice purposes.
enumeration	19	An area reserved for vessels waiting to enter a harbour.
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	25	An area where vessels turn.
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	29	An area near a fairway where vessels can go to clear the way or make an about turn and possibly return to a waiting area when nautical conditions impose it.
enumeration	30	An area in which defence, law and treaty enforcement, and counter-terrorism activities that fall within the port and maritime domain apply.
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.
Used by	Complex Type	RestrictedArea_categoryOfRestrictedAreaType
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Attribute categoryOfRouteingMeasureType / @code

Namespace	No namespace		
Type	categoryOfRouteingMeasureCode		
Properties	use: required		
Facets	enumeration	1	Sea lanes designated by an archipelagic State for the passage of ships and aircraft. The Archipelagic Sea Lane aggregates all component parts of an Archipelagic Sea Lane system.
	enumeration	2	A route within defined limits which has been accurately surveyed for clearance of sea bottom and submerged obstacles as indicated on the chart.

	enumeration	3	That part of a river, harbour and so on, where the main navigable channel for vessels of larger size lies. It is also the usual course followed by vessels entering or leaving harbours, called ship channel. A fairway system is an aggregation of connected fairway features making up a complex fairway system.
	enumeration	4	A navigation line, range system, or a recommended track, lane, or route.
	enumeration	5	A routeing measure aimed at the separation of opposing streams of traffic by appropriate means and by the establishment of traffic lanes.
	enumeration	6	A route within defined limits inside which two way traffic is established, aimed at providing safe passage of ships through waters where navigation is difficult or dangerous.
Used by	Complex Type	categoryOfRouteingMeasureType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute RouteingMeasure_categoryOfRouteingMeasureType / @code

Namespace	No namespace		
Type	RouteingMeasure_categoryOfRouteingMeasureCode		
Properties	use: required		
Facets	enumeration	1	Sea lanes designated by an archipelagic State for the passage of ships and aircraft. The Archipelagic Sea Lane aggregates all component parts of an Archipelagic Sea Lane system.
	enumeration	2	A route within defined limits which has been accurately surveyed for clearance of sea bottom and submerged obstacles as indicated on the chart.
	enumeration	3	That part of a river, harbour and so on, where the main navigable channel for vessels of larger size lies. It is also the usual course followed by vessels entering or leaving harbours, called ship channel. A fairway system is an aggregation of connected fairway features making up a complex fairway system.
	enumeration	4	A navigation line, range system, or a recommended track, lane, or route.
	enumeration	5	A routeing measure aimed at the separation of opposing streams of traffic by appropriate means and by the establishment of traffic lanes.
	enumeration	6	A route within defined limits inside which two way traffic is established, aimed at providing safe passage of ships through waters where navigation is difficult or dangerous.
	Used by	Complex Type	RouteingMeasure_categoryOfRouteingMeasureType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute categoryOfShipReportType / @code

Namespace	No namespace		
Type	categoryOfShipReportCode		
Properties	use: required		
Facets	enumeration	1	Before or as near as possible to the time of departure from a port within a system or when entering the area covered by a system (for instance A, B, J, X etc).
	enumeration	2	When necessary to ensure effective operation of the system.
	enumeration	3	When the ships position varies significantly from the position that would have been predicted from previous reports; when changing the reported route; or as decided by the master.
	enumeration	4	On arrival at the destination or on leaving the area covered by the system.
	enumeration	5	When an incident takes place involving the loss or likely loss overboard of packaged dangerous goods, including those in freight containers, portable tanks, road and rail vehicles and ship-borne barges, into the sea.
	enumeration	6	Report submitted when an incident takes place involving the discharge or probable discharge of oil or noxious liquid substances in bulk.
	enumeration	7	In the case of the loss or likely loss overboard of harmful substances in packaged form, including those in freight containers, portable tanks, road and rail vehicles and ship-borne barges identified in the International Maritime Goods Code as marine pollutants.
	enumeration	8	Any other type of non-defined report that is made in accordance with the system procedures as notified in accordance with paragraph 9 of the general principles.
Used by	Complex Type	categoryOfShipReportType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute shipReport_categoryOfShipReportType / @code

Namespace	No namespace		
Type	ShipReport_categoryOfShipReportCode		

Properties	use:	required	
Facets	enumeration	1	Before or as near as possible to the time of departure from a port within a system or when entering the area covered by a system (for instance A, B, J, X etc).
	enumeration	2	When necessary to ensure effective operation of the system.
	enumeration	3	When the ships position varies significantly from the position that would have been predicted from previous reports; when changing the reported route; or as decided by the master.
	enumeration	4	On arrival at the destination or on leaving the area covered by the system.
	enumeration	5	When an incident takes place involving the loss or likely loss overboard of packaged dangerous goods, including those in freight containers, portable tanks, road and rail vehicles and ship-borne barges, into the sea.
	enumeration	6	Report submitted when an incident takes place involving the discharge or probable discharge of oil or noxious liquid substances in bulk.
	enumeration	7	In the case of the loss or likely loss overboard of harmful substances in packaged form, including those in freight containers, portable tanks, road and rail vehicles and ship-borne barges identified in the International Maritime Goods Code as marine pollutants.
	enumeration	8	Any other type of non-defined report that is made in accordance with the system procedures as notified in accordance with paragraph 9 of the general principles.
Used by	Complex Type	ShipReport_categoryOfShipReportType	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute categoryOfSignalStationTrafficType / @code

Namespace	No namespace		
Type	categoryOfSignalStationTrafficCode		
Properties	use:	required	
Facets	enumeration	1	A signal station for the control of vessels within a port.
	enumeration	2	A signal station for the control of vessels entering or leaving a port.
	enumeration	3	A signal station displaying International Port Traffic signals.
	enumeration	4	A signal station for the control of vessels when berthing.
	enumeration	5	A signal station for the control of vessels entering or leaving a dock.
	enumeration	6	A signal station for the control of vessels entering or leaving a lock.
	enumeration	7	A signal station for the control of vessels wishing to pass through a flood control barrage.
	enumeration	8	A signal station for the control of vessels wishing to pass under a bridge.
	enumeration	9	A signal station indicating when dredging is in progress.
	enumeration	10	Visual signal lights placed in a waterway to indicate to shipping the movements authorized at the time at which they are shown.
	enumeration	13	Indicates the oncoming traffic on an inland waterway.
Used by	Complex Type	categoryOfSignalStationTrafficType	

Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd
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Attribute **SignalStationTraffic_categoryOfSignalStationTrafficType** / @code

Namespace	No namespace		
Type	SignalStationTraffic_categoryOfSignalStationTrafficCode		
Properties	use: required		
Facets	enumeration	1	A signal station for the control of vessels within a port.
	enumeration	2	A signal station for the control of vessels entering or leaving a port.
	enumeration	3	A signal station displaying International Port Traffic signals.
	enumeration	4	A signal station for the control of vessels when berthing.
	enumeration	5	A signal station for the control of vessels entering or leaving a dock.
	enumeration	6	A signal station for the control of vessels entering or leaving a lock.
	enumeration	7	A signal station for the control of vessels wishing to pass through a flood control barrage.
	enumeration	8	A signal station for the control of vessels wishing to pass under a bridge.
	enumeration	9	A signal station indicating when dredging is in progress.
	enumeration	10	Visual signal lights placed in a waterway to indicate to shipping the movements authorized at the time at which they are shown.
	enumeration	13	Indicates the oncoming traffic on an inland waterway.
Used by	Complex Type	SignalStationTraffic_categoryOfSignalStationTrafficType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute **categoryOfSignalStationWarningType** / @code

Namespace	No namespace		
Type	categoryOfSignalStationWarningCode		
Properties	use: required		
Facets	enumeration	1	A signal or message warning of the presence of a danger to navigation.
	enumeration	2	A signal or message warning of the presence of a maritime obstruction.
	enumeration	3	A signal or message warning of the presence of a cable.
	enumeration	4	A signal or message warning of activity in a military practice area.
	enumeration	5	A station that may receive or transmit distress signals.
	enumeration	6	A visual signal displayed to indicate a weather forecast.
	enumeration	7	A signal or message conveying information about storm conditions.
	enumeration	8	A signal or message conveying information about ice conditions.
	enumeration	9	An accurate signal marking a specified time or time interval. It is used primarily for determining errors of timepieces. Such signals are usually sent from an observatory by radio or telegraph, but visual signals are used at some ports.

enumeration	10	A signal or message conveying information on tidal conditions in the area in question.
enumeration	11	A signal or message conveying information on condition of tidal currents in the area in question.
enumeration	12	A device for measuring the height of tide. A graduated staff in a sheltered area where visual observations can be made or it may consist of an elaborate recording instrument making a continuous graphic record of tide height against time. Such an instrument is usually actuated by a float in a pipe communicating with the sea through a small hole which filters out shorter waves.
enumeration	13	A visual scale which directly shows the height of the water above chart datum or a local datum.
enumeration	14	A signal or message warning of diving activity.
enumeration	15	A device for measuring and conveying information about the water level (non-tidal) in the area in question.
enumeration	16	An indication of the vertical clearance of a bridge, overhead cable, etc.
enumeration	17	An indication of the official high water level.
enumeration	18	An indication of the local depth.
Used by	Complex Type	categoryOfSignalStationWarningType
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Attribute **SignalStationWarning_categoryOfSignalStationWarningType** / @code

Namespace	No namespace	
Type	SignalStationWarning_categoryOfSignalStationWarningCode	
Properties	use: required	
Facets	enumeration	1
		A signal or message warning of the presence of a danger to navigation.
	enumeration	2
		A signal or message warning of the presence of a maritime obstruction.
	enumeration	3
		A signal or message warning of the presence of a cable.
	enumeration	4
		A signal or message warning of activity in a military practice area.
	enumeration	5
		A station that may receive or transmit distress signals.
	enumeration	6
		A visual signal displayed to indicate a weather forecast.
	enumeration	7
		A signal or message conveying information about storm conditions.
	enumeration	8
		A signal or message conveying information about ice conditions.
	enumeration	9
		An accurate signal marking a specified time or time interval. It is used primarily for determining errors of timepieces. Such signals are usually sent from an observatory by radio or telegraph, but visual signals are used at some ports.
	enumeration	10
		A signal or message conveying information on tidal conditions in the area in question.
	enumeration	11
		A signal or message conveying information on condition of tidal currents in the area in question.
	enumeration	12
		A device for measuring the height of tide. A graduated staff in a sheltered area where visual observations can be made or it may consist of an elaborate recording instrument making a continuous graphic record of tide height against time. Such an instrument is usually actuated by

		a float in a pipe communicating with the sea through a small hole which filters out shorter waves.
enumeration	13	A visual scale which directly shows the height of the water above chart datum or a local datum.
enumeration	14	A signal or message warning of diving activity.
enumeration	15	A device for measuring and conveying information about the water level (non-tidal) in the area in question.
enumeration	16	An indication of the vertical clearance of a bridge, overhead cable, etc.
enumeration	17	An indication of the official high water level.
enumeration	18	An indication of the local depth.
Used by	Complex Type	SignalStationWarning_categoryOfSignalStationWarningType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

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
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

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
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Attribute categoryOfTextType / @code

Namespace	No namespace
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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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute **categoryOfTrafficSeparationSchemeType / @code**

Namespace	No namespace		
Type	categoryOfTrafficSeparationSchemeCode		
Properties	use: required		
Facets	enumeration	1	A defined maritime traffic route that has been adopted as an IMO routeing measure.
	enumeration	2	A defined Traffic Separation Scheme that has not been adopted as an IMO routing measure.
Used by	Complex Type	categoryOfTrafficSeparationSchemeType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute **RouteingMeasure_categoryOfTrafficSeparationSchemeType / @code**

Namespace	No namespace		
Type	RouteingMeasure_categoryOfTrafficSeparationSchemeCode		
Properties	use: required		
Facets	enumeration	1	A defined maritime traffic route that has been adopted as an IMO routeing measure.
	enumeration	2	A defined Traffic Separation Scheme that has not been adopted as an IMO routing measure.
Used by	Complex Type	RouteingMeasure_categoryOfTrafficSeparationSchemeType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute **categoryOfVesselRegistryType / @code**

Namespace	No namespace
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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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute **vesselMeasurementsSpecification_comparisonOperatorType / @code**

Namespace	No namespace
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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
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Attribute conditionType / @code

Namespace	No namespace	
Type	conditionCode	
Properties	use: required	
Facets	enumeration	1 Being built but not yet capable of function.
	enumeration	3 An area of the sea, a lake or the navigable part of a river that is being reclaimed as land, usually by the dumping of earth and other material.
	enumeration	5 Detailed planning has been completed but construction has not been initiated.
Used by	Complex Type	conditionType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Attribute CautionArea_conditionType / @code

Namespace	No namespace	
Type	CautionArea_conditionCode	
Properties	use: required	
Facets	enumeration	1 Being built but not yet capable of function.
	enumeration	3 An area of the sea, a lake or the navigable part of a river that is being reclaimed as land, usually by the dumping of earth and other material.
	enumeration	5 Detailed planning has been completed but construction has not been initiated.
Used by	Complex Type	CautionArea_conditionType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Attribute dayOfWeekType / @code

Namespace	No namespace	
Type	dayOfWeekCode	
Properties	use: required	
Facets	enumeration	1 The first day of the week.
	enumeration	2 The second day of the week.

	enumeration	3	The third day of the week.
	enumeration	4	The fourth day of the week.
	enumeration	5	The fifth day of the week.
	enumeration	6	The sixth day of the week.
	enumeration	7	The seventh day of the week.
Used by	Complex Type	dayOfWeekType	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute **timeIntervalsByDayOfWeek_dayOfWeekType / @code**

Namespace	No namespace		
Type	timeIntervalsByDayOfWeek_dayOfWeekCode		
Properties	use: required		
Facets	enumeration	1	The first day of the week.
	enumeration	2	The second day of the week.
	enumeration	3	The third day of the week.
	enumeration	4	The fourth day of the week.
	enumeration	5	The fifth day of the week.
	enumeration	6	The sixth day of the week.
	enumeration	7	The seventh day of the week.
Used by	Complex Type	timeIntervalsByDayOfWeek_dayOfWeekType	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute **dynamicResourceType / @code**

Namespace	No namespace		
Type	dynamicResourceCode		
Properties	use: required		
Facets	enumeration	1	The information is static, or a source of up-to-date information is unavailable or unknown.
	enumeration	2	An external source of up-to-date information is available and interaction with it to obtain up-to-date information is required.
	enumeration	3	An external source of up-to-date information is available but interaction with it to obtain up-to-date information is not required.
	enumeration	4	Up-to-date information may be computed using only onboard resources.
Used by	Complex Type	dynamicResourceType	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute **UnderKeelClearanceManagementArea_dynamicResourceType / @code**

Namespace	No namespace		
Type	UnderKeelClearanceManagementArea_dynamicResourceCode		
Properties	use: required		
Facets	enumeration	1	The information is static, or a source of up-to-date information is unavailable or unknown.
	enumeration	2	An external source of up-to-date information is available and interaction with it to obtain up-to-date information is required.

	enumeration	3	An external source of up-to-date information is available but interaction with it to obtain up-to-date information is not required.
	enumeration	4	Up-to-date information may be computed using only onboard resources.
Used by	Complex Type	UnderKeelClearanceManagementArea_dynamicResourceType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute WaterwayArea_dynamicResourceType / @code

Namespace	No namespace		
Type	WaterwayArea_dynamicResourceCode		
Properties	use: required		
Facets	enumeration	1	The information is static, or a source of up-to-date information is unavailable or unknown.
	enumeration	2	An external source of up-to-date information is available and interaction with it to obtain up-to-date information is required.
	enumeration	3	An external source of up-to-date information is available but interaction with it to obtain up-to-date information is not required.
	enumeration	4	Up-to-date information may be computed using only onboard resources.
Used by	Complex Type	WaterwayArea_dynamicResourceType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute iSPSLevelType / @code

Namespace	No namespace		
Type	iSPSLevelCode		
Properties	use: required		
Facets	enumeration	1	The level for which minimum appropriate protective security measures shall be maintained at all times.
	enumeration	2	The level for which appropriate additional protective security measures shall be maintained for a period of time as a result of heightened risk of a security incident.
	enumeration	3	The level for which further specific protective security measures shall be maintained for a limited period of time when a security incident is probable or imminent, although it may not be possible to identify the specific target.
Used by	Complex Type	iSPSLevelType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute ISPSCodeSecurityLevel_iSPSLevelType / @code

Namespace	No namespace		
Type	ISPSCodeSecurityLevel_iSPSLevelCode		
Properties	use: required		
Facets	enumeration	1	The level for which minimum appropriate protective security measures shall be maintained at all times.
	enumeration	2	The level for which appropriate additional protective security measures shall be maintained

		for a period of time as a result of heightened risk of a security incident.
	enumeration 3	The level for which further specific protective security measures shall be maintained for a limited period of time when a security incident is probable or imminent, although it may not be possible to identify the specific target.
Used by	Complex Type	ISPSCodeSecurityLevel_iSPSLevelType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute onlineResource_onlineFunctionType / @code

Namespace	No namespace
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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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute **operationType / @code**

Namespace	No namespace		
Type	operationCode		
Properties	use: required		
Facets	enumeration	1	The numerically largest value computed from the applicable attributes or sub-attributes.
	enumeration	2	The numerically smallest value computed from the applicable attributes or sub-attributes.
Used by	Complex Type	operationType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute **noticeTime_operationType / @code**

Namespace	No namespace		
Type	noticeTime_operationCode		
Properties	use: required		
Facets	enumeration	1	The numerically largest value computed from the applicable attributes or sub-attributes.
	enumeration	2	The numerically smallest value computed from the applicable attributes or sub-attributes.
Used by	Complex Type	noticeTime_operationType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute **underKeelAllowance_operationType / @code**

Namespace	No namespace		
Type	underKeelAllowance_operationCode		
Properties	use: required		
Facets	enumeration	1	The numerically largest value computed from the applicable attributes or sub-attributes.
	enumeration	2	The numerically smallest value computed from the applicable attributes or sub-attributes.

Used by	Complex Type	underKeelAllowance_operationType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Attribute pilotMovementType / @code

Namespace	No namespace		
Type	pilotMovementCode		
Properties	use: required		
Facets	enumeration	1	The place where vessels not being navigated according to a pilot's instructions pick up a pilot while in transit from sea to a port or constricted waters for future navigation under pilot instructions.
	enumeration	2	The place where vessels being navigated under a pilot's instructions in transit from sea to a port or constricted waters drop the pilot and proceed without being subject to pilot instructions.
	enumeration	3	The place where vessels being navigated under a pilot's instructions drop off the pilot and pick up a different pilot for future navigation under pilot's instructions.
Used by	Complex Type	pilotMovementType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute PilotBoardingPlace_pilotMovementType / @code

Namespace	No namespace		
Type	PilotBoardingPlace_pilotMovementCode		
Properties	use: required		
Facets	enumeration	1	The place where vessels not being navigated according to a pilot's instructions pick up a pilot while in transit from sea to a port or constricted waters for future navigation under pilot instructions.
	enumeration	2	The place where vessels being navigated under a pilot's instructions in transit from sea to a port or constricted waters drop the pilot and proceed without being subject to pilot instructions.
	enumeration	3	The place where vessels being navigated under a pilot's instructions drop off the pilot and pick up a different pilot for future navigation under pilot's instructions.
Used by	Complex Type	PilotBoardingPlace_pilotMovementType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute pilotQualificationType / @code

Namespace	No namespace		
Type	pilotQualificationCode		
Properties	use: required		
Facets	enumeration	1	A pilot service carried out by government pilots.
	enumeration	2	A pilot service carried out by pilots who are approved by government.
	enumeration	3	A pilot that is licensed by the State (USA) and/or their respective pilot association, required for all foreign vessels and all American vessels under registry, bound for a port with compulsory

		State pilotage. A federal licence is not sufficient to pilot such vessels into the port.
enumeration	4	A pilot who carries a Federal endorsement, offering services to vessels that are not required to obtain compulsory State pilotage. Services are usually contracted for in advance.
enumeration	5	A pilot provided by a commercial company.
enumeration	6	A pilot with local knowledge but who does not hold a qualification as a pilot.
enumeration	7	A pilot service carried out by a citizen with sufficient local knowledge.
enumeration	8	A pilot service carried out by a citizen whose local knowledge is uncertain.
Used by	Complex Type	pilotQualificationType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Attribute PilotService_pilotQualificationType / @code

Namespace	No namespace		
Type	PilotService_pilotQualificationCode		
Properties	use: required		
Facets	enumeration	1	
	enumeration	2	A pilot service carried out by government pilots.
	enumeration	3	A pilot service carried out by pilots who are approved by government.
	enumeration	4	A pilot that is licensed by the State (USA) and/or their respective pilot association, required for all foreign vessels and all American vessels under registry, bound for a port with compulsory State pilotage. A federal licence is not sufficient to pilot such vessels into the port.
	enumeration	5	A pilot who carries a Federal endorsement, offering services to vessels that are not required to obtain compulsory State pilotage. Services are usually contracted for in advance.
	enumeration	6	A pilot provided by a commercial company.
	enumeration	7	A pilot with local knowledge but who does not hold a qualification as a pilot.
	enumeration	8	A pilot service carried out by a citizen with sufficient local knowledge.
Used by	Complex Type	PilotService_pilotQualificationType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute qualityOfHorizontalMeasurementType / @code

Namespace	No namespace		
Type	qualityOfHorizontalMeasurementCode		
Properties	use: required		
Facets	enumeration	1	
	enumeration	2	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	3	Survey data is does not exist or is very poor.
	enumeration	4	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	5	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
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

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	

Schema location

file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

Attribute **restrictionType** / **@code**

Namespace	No namespace	
Type	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	28	A specified area designated by appropriate authority, within which overtaking is generally prohibited.
enumeration	29	A specified area designated by appropriate authority, within which overtaking between convoys is prohibited.
enumeration	30	A specified area designated by appropriate authority, within which passing or overtaking is generally prohibited.
enumeration	31	A specified area designated by appropriate authority, within which vessels, assemblies of floating material or floating establishments may not berth.
enumeration	32	A specified area designated by appropriate authority, within which berthing is restricted.
enumeration	33	A specified area designated by appropriate authority, within which vessels, assemblies of floating material or floating establishments may not make fast to the bank.
enumeration	34	A specified area designated by appropriate authority, within which making fast to the bank is restricted.
enumeration	35	A specified area designated by appropriate authority, within which all turning is generally prohibited.
enumeration	36	An area within which the fairway depth is restricted.
enumeration	37	An area within which the fairway width 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.
enumeration	43	A specified area designated by appropriate authority, within which passing or overtaking of convoys by convoys is prohibited
Used by	Complex Type	restrictionType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Attribute MilitaryPracticeArea_restrictionType / @code

Namespace	No namespace		
Type	MilitaryPracticeArea_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	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	39	An area in which swimming is prohibited.
Used by	Complex Type	MilitaryPracticeArea_restrictionType
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Attribute PiracyRiskArea_restrictionType / @code

Namespace	No namespace	
Type	PiracyRiskArea_restrictionCode	
Properties	use: required	
Facets	enumeration	1
	enumeration	2

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	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	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	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	31	A specified area designated by appropriate authority, within which vessels, assemblies of floating material or floating establishments may not berth.
enumeration	32	A specified area designated by appropriate authority, within which berthing is restricted.
enumeration	33	A specified area designated by appropriate authority, within which vessels, assemblies of floating material or floating establishments may not make fast to the bank.
enumeration	34	A specified area designated by appropriate authority, within which making fast to the bank is restricted.
Used by	Complex Type	PiracyRiskArea_restrictionType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

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	28	A specified area designated by appropriate authority, within which overtaking is generally prohibited.
	enumeration	29	A specified area designated by appropriate authority, within which overtaking between convoys is prohibited.
	enumeration	30	A specified area designated by appropriate authority, within which passing or overtaking is generally prohibited.
	enumeration	35	A specified area designated by appropriate authority, within which all turning is generally prohibited.
	enumeration	36	An area within which the fairway depth is restricted.
	enumeration	37	An area within which the fairway width 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.
	enumeration	43	A specified area designated by appropriate authority, within which passing or overtaking of convoys by convoys is prohibited
Used by	Complex Type	RestrictedArea_restrictionType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute sRSFormatCodeType / @code

Namespace	No namespace																								
Type	sRSFormatCodeCode																								
Properties	use: required																								
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enumeration	26	IMO Ship Reporting Format Z-End of report (zulu); Information required: No further information required
Used by	Complex Type	sRSFormatCodeType

Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd
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Attribute ShipReport_sRSFormatCodeType / @code

Namespace	No namespace																																																			
Type	ShipReport_sRSFormatCodeCode																																																			
Properties	use: required																																																			
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Used by	Complex Type	ShipReport_sRSFormatCodeType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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.
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	enumeration	14	Information obtained from the analysis of traffic data.
Used by	Complex Type	sourceIndication_sourceTypeType	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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	8	Administered by an individual or corporation, rather than a State or a public body.
	enumeration	9	Compulsory; enforced.
	enumeration	12	Lit by floodlights, strip lights, etc.
	enumeration	14	Belonging to, available to, used or shared by, the community as a whole and not restricted to private use.
	enumeration	15	Occur at a time, coincide in point of time, be contemporary or simultaneous.
	enumeration	16	Looked at or observed over a period of time especially so as to be aware of any movement or change.
	enumeration	17	Usually automatic in operation, without any permanently-stationed personnel to superintend it.
	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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute CautionArea_statusType / @code

Namespace	No namespace		
Type	CautionArea_statusCode		
Properties	use: required		
Facets	enumeration	5	Recurring at intervals.
	enumeration	7	Meant to last only for a time.
Used by	Complex Type	CautionArea_statusType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute ConcentrationOfShippingHazardArea_statusType / @code

Namespace	No namespace		
Type	ConcentrationOfShippingHazardArea_statusCode		
Properties	use: required		
Facets	enumeration	1	Intended to last or function indefinitely.
	enumeration	2	Acting on special occasions; happening irregularly.
	enumeration	5	Recurring at intervals.
	enumeration	7	Meant to last only for a time.
	enumeration	16	Looked at or observed over a period of time especially so as to be aware of any movement or change.
	enumeration	17	Usually automatic in operation, without any permanently-stationed personnel to superintend it.
Used by	Complex Type	ConcentrationOfShippingHazardArea_statusType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute MilitaryPracticeArea_statusType / @code

Namespace	No namespace		
Type	MilitaryPracticeArea_statusCode		
Properties	use: required		
Facets	enumeration	1	Intended to last or function indefinitely.
	enumeration	2	Acting on special occasions; happening irregularly.
	enumeration	5	Recurring at intervals.
	enumeration	6	Set apart for some specific use.
	enumeration	7	Meant to last only for a time.
	enumeration	16	Looked at or observed over a period of time especially so as to be aware of any movement or change.
	enumeration	17	Usually automatic in operation, without any permanently-stationed personnel to superintend it.
Used by	Complex Type	MilitaryPracticeArea_statusType	

Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd
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Attribute PilotBoardingPlace_statusType / @code

Namespace	No namespace		
Type	PilotBoardingPlace_statusCode		
Properties	use: required		
Facets	enumeration	1	Intended to last or function indefinitely.
	enumeration	2	Acting on special occasions; happening irregularly.
	enumeration	5	Recurring at intervals.
	enumeration	6	Set apart for some specific use.
	enumeration	9	Compulsory; enforced.
	enumeration	16	Looked at or observed over a period of time especially so as to be aware of any movement or change.
	enumeration	17	Usually automatic in operation, without any permanently-stationed personnel to superintend it.
	enumeration	28	Marked by buoys.
Used by	Complex Type	PilotBoardingPlace_statusType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute PiracyRiskArea_statusType / @code

Namespace	No namespace		
Type	PiracyRiskArea_statusCode		
Properties	use: required		
Facets	enumeration	1	Intended to last or function indefinitely.
	enumeration	2	Acting on special occasions; happening irregularly.
	enumeration	5	Recurring at intervals.
	enumeration	7	Meant to last only for a time.
Used by	Complex Type	PiracyRiskArea_statusType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute PlaceOfRefuge_statusType / @code

Namespace	No namespace		
Type	PlaceOfRefuge_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	8	Administered by an individual or corporation, rather than a State or a public body.

	enumeration	9	Compulsory; enforced.
	enumeration	28	Marked by buoys.
Used by	Complex Type	PlaceOfRefuge_statusType	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute RadarRange_statusType / @code

Namespace	No namespace		
Type	RadarRange_statusCode		
Properties	use: required		
Facets	enumeration	1	Intended to last or function indefinitely.
	enumeration	2	Acting on special occasions; happening irregularly.
	enumeration	4	Use has ceased, but the facility still exists intact; disused.
	enumeration	7	Meant to last only for a time.
Used by	Complex Type	RadarRange_statusType	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute RadioCallingInPoint_statusType / @code

Namespace	No namespace		
Type	RadioCallingInPoint_statusCode		
Properties	use: required		
Facets	enumeration	1	Intended to last or function indefinitely.
	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.
Used by	Complex Type	RadioCallingInPoint_statusType	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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.
Used by	Complex Type	RestrictedArea_statusType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute **SignalStationWarning_statusType / @code**

Namespace	No namespace		
Type	SignalStationWarning_statusCode		
Properties	use: required		
Facets	enumeration	1	Intended to last or function indefinitely.
	enumeration	2	Acting on special occasions; happening irregularly.
	enumeration	4	Use has ceased, but the facility still exists intact; disused.
	enumeration	5	Recurring at intervals.
	enumeration	7	Meant to last only for a time.
	enumeration	8	Administered by an individual or corporation, rather than a State or a public body.
	enumeration	12	Lit by floodlights, strip lights, etc.
	enumeration	14	Belonging to, available to, used or shared by, the community as a whole and not restricted to private use.
	enumeration	15	Occur at a time, coincide in point of time, be contemporary or simultaneous.
	enumeration	16	Looked at or observed over a period of time especially so as to be aware of any movement or change.
	enumeration	17	Usually automatic in operation, without any permanently-stationed personnel to superintend it.
Used by	Complex Type	SignalStationWarning_statusType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute **SignalStationTraffic_statusType / @code**

Namespace	No namespace		
Type	SignalStationTraffic_statusCode		
Properties	use: required		
Facets	enumeration	1	Intended to last or function indefinitely.
	enumeration	2	Acting on special occasions; happening irregularly.
	enumeration	4	Use has ceased, but the facility still exists intact; disused.
	enumeration	5	Recurring at intervals.
	enumeration	7	Meant to last only for a time.
	enumeration	8	Administered by an individual or corporation, rather than a State or a public body.
	enumeration	12	Lit by floodlights, strip lights, etc.
	enumeration	14	Belonging to, available to, used or shared by, the community as a whole and not restricted to private use.
	enumeration	15	Occur at a time, coincide in point of time, be contemporary or simultaneous.
	enumeration	16	Looked at or observed over a period of time especially so as to be aware of any movement or change.

	enumeration	15	Occur at a time, coincide in point of time, be contemporary or simultaneous.
	enumeration	16	Looked at or observed over a period of time especially so as to be aware of any movement or change.
	enumeration	17	Usually automatic in operation, without any permanently-stationed personnel to superintend it.
Used by	Complex Type	SignalStationTraffic_statusType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute WaterwayArea_statusType / @code

Namespace	No namespace		
Type	WaterwayArea_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	8	Administered by an individual or corporation, rather than a State or a public body.
	enumeration	9	Compulsory; enforced.
	enumeration	28	Marked by buoys.
Used by	Complex Type	WaterwayArea_statusType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute trafficFlowType / @code

Namespace	No namespace		
Type	trafficFlowCode		
Properties	use: required		
Facets	enumeration	1	Traffic flow in a general direction toward a port or similar destination.
	enumeration	2	Traffic flow in a general direction away from a port or similar point of origin.
	enumeration	3	Traffic flow in one general direction only.
	enumeration	4	Traffic flow in two generally opposite directions.
Used by	Complex Type	trafficFlowType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute RadioCallingInPoint_trafficFlowType / @code

Namespace	No namespace		
Type	RadioCallingInPoint_trafficFlowCode		
Properties	use: required		
Facets	enumeration	1	Traffic flow in a general direction toward a port or similar destination.
	enumeration	2	Traffic flow in a general direction away from a port or similar point of origin.
	enumeration	3	Traffic flow in one general direction only.
	enumeration	4	Traffic flow in two generally opposite directions.
Used by	Complex Type	RadioCallingInPoint_trafficFlowType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

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
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

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 m³) of salt water with a density of 64 lb/ft³(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
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

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

		<p>by the short ton. One long ton is equal to 2,240 pounds (1,016 kg) or 35 cubic feet (0.9911 m³) of salt water with a density of 64 lb/ft³(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	Complex Type	vesselMeasurementsSpecification_vesselsCharacteristicsUnitType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Attribute waterLevelTrendType / @code

Namespace	No namespace	
Type	waterLevelTrendCode	
Properties	use: required	
Facets	enumeration	1
	enumeration	2
	enumeration	3
Used by	Complex Type	waterLevelTrendType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Attribute UnderKeelClearanceAllowanceArea_waterLevelTrendType / @code

Namespace	No namespace		
Type	UnderKeelClearanceAllowanceArea_waterLevelTrendCode		
Properties	use: required		
Facets	enumeration	1	Becoming smaller in magnitude.
	enumeration	2	Becoming larger in magnitude.
	enumeration	3	Constant.
Used by	Complex Type	UnderKeelClearanceAllowanceArea_waterLevelTrendType	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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	actionOrActivityType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute **rxNCode_actionOrActivityType / @code**

Namespace	No namespace		
Type	rxNCode_actionOrActivityCode		
Properties	use:	required	
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	rxNCode_actionOrActivityType
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Attribute categoryOfRxNType / @code

Namespace	No namespace	
Type	categoryOfRxNCode	
Properties	use: optional	
Facets	enumeration	1
	enumeration	2

	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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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	
Schema location	file:///E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

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
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd

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	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		

Attribute PilotBoardingPlace_categoryOfVesselType / @code

Namespace	No namespace		
Type	PilotBoardingPlace_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	PilotBoardingPlace_categoryOfVesselType
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd	

Attribute RadioCallingInPoint_categoryOfVesselType / @code

Namespace	No namespace		
Type	RadioCallingInPoint_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	RadioCallingInPoint_categoryOfVesselType	
Schema location	file:/E:/work/git/S-127-Product-Specification-Development/GML/127_2.0.0.20251104.xsd		