

Schema documentation for 131_2.0.0.20260107.xsd

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Namespace: "http://www.ihc.int/S131/2.0"

Schema(s)

Main schema 131_2.0.0.20260107.xsd

Namespace	http://www.ihc.int/S131/2.0
Properties	attribute form default: unqualified element form default: qualified version: 2.0.0-20260107

Element(s)

Element bearingInformationType / cardinalDirection

Namespace	http://www.ihc.int/S131/2.0						
Diagram	<pre> classDiagram cardinalDirection < -- bearingInformation_cardinalDirectionType bearingInformation_cardinalDirectionType { <<Base Type>> bearingInformation_cardinalDirectionLabel <<Restricted values of bearingInformation/cardinalDirection>> Attributes <<@code>> bearingInformation_cardinalDirectionCode <<Restricted values of cardinalDirection in bearingInformation>> } </pre>						
Type	bearingInformation_cardinalDirectionType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • bearingInformation_cardinalDirectionLabel • bearingInformation_cardinalDirectionType 						
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>bearingInformation_cardinalDirectionCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	bearingInformation_cardinalDirectionCode	required
QName	Type	Use					
code	bearingInformation_cardinalDirectionCode	required					

Element bearingInformationType / distance

Namespace	http://www.ihc.int/S131/2.0
Diagram	<pre> classDiagram distance < -- distanceType distanceType { <<A numeric measure of the spatial separation between two locations.>> } </pre>
Type	distanceType
Properties	content: simple

minOccurs:	0
maxOccurs:	1

Element bearingInformationType / information

Namespace	http://www.aho.int/S131/2.0						
Diagram	<pre> classDiagram information < -- informationType information --> fileLocator : information --> fileReference : information --> headline : 0..> information --> language : information --> text : note under headline: Textual information about the feature. The information may be provided as a string of text or as a file name of a... </pre>						
Type	informationType						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	fileLocator{0,1} , fileReference{0,1} , headline* , language{0,1} , text{0,1}						

Element informationType / fileLocator

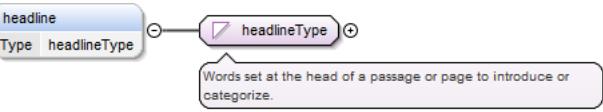
Namespace	http://www.aho.int/S131/2.0						
Diagram	<pre> classDiagram fileLocator < -- fileLocatorType note under fileLocator: The location of a fragment of text or other information in a support file. </pre>						
Type	fileLocatorType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element informationType / fileReference

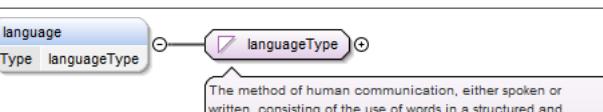
Namespace	http://www.aho.int/S131/2.0						
Diagram	<pre> classDiagram fileReference < -- fileReferenceType note under fileReference: The file name of an externally referenced text file. </pre>						
Type	fileReferenceType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element informationType / headline

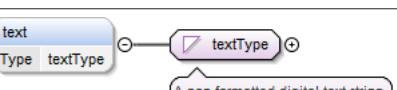
Namespace	http://www.aho.int/S131/2.0
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Diagram							
Type	headlineType						
Properties	<table border="1"> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	unbounded
content:	simple						
minOccurs:	0						
maxOccurs:	unbounded						

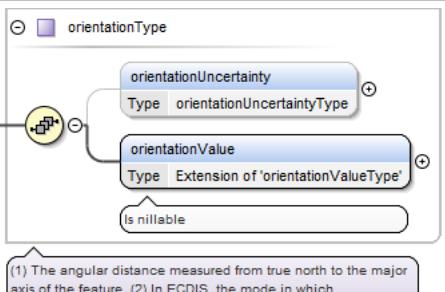
Element informationType / language

Namespace	http://www.ih0.int/S131/2.0						
Diagram							
Type	languageType						
Properties	<table border="1"> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element informationType / text

Namespace	http://www.ih0.int/S131/2.0						
Diagram							
Type	textType						
Properties	<table border="1"> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element bearingInformationType / orientation

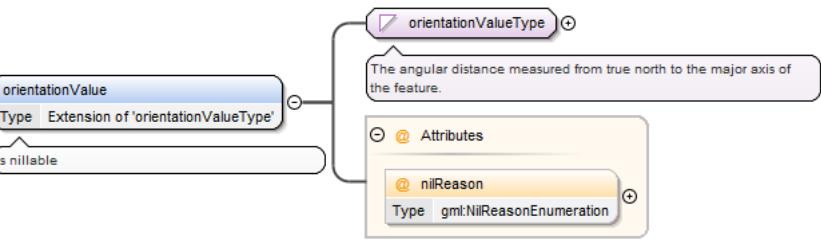
Namespace	http://www.ih0.int/S131/2.0						
Diagram							
Type	orientationType						
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	orientationUncertainty{0,1} , orientationValue						

Element orientationType / orientationUncertainty

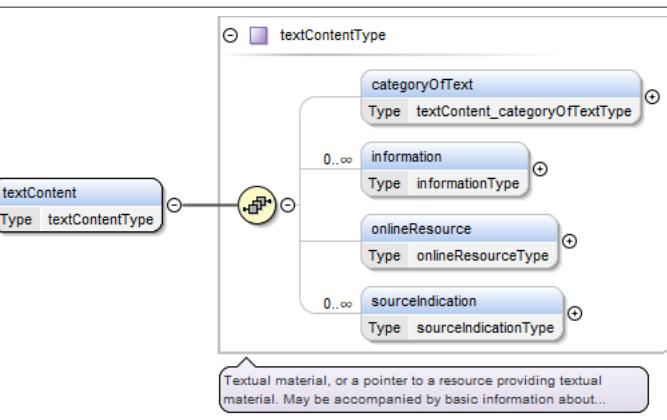
Namespace	http://www.ih0.int/S131/2.0
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Diagram							
Type	orientationUncertaintyType						
Properties	<table border="1"> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>maxExclusive</td><td>360.000</td></tr> <tr> <td>minInclusive</td><td>0.000</td></tr> </table>	maxExclusive	360.000	minInclusive	0.000		
maxExclusive	360.000						
minInclusive	0.000						

Element orientationType / orientationValue

Namespace	http://www.ih0.int/S131/2.0										
Annotations	Is nullable										
Diagram											
Type	extension of orientationValueType										
Type hierarchy	<ul style="list-style-type: none"> xs:decimal orientationValueType 										
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	QName	Type	Use								
	nilReason	gml:NilReasonEnumeration	optional								

Element cargoServicesDescriptionType / textContent

Namespace	http://www.ih0.int/S131/2.0								
Diagram									
Type	textContentType								
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>			content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex								
minOccurs:	1								
maxOccurs:	unbounded								

Model	categoryOfText{0,1} , information* , onlineResource{0,1} , sourceIndication*
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Element `textContentType / categoryOfText`

Namespace	http://www.aho.int/S131/2.0											
Diagram	<pre> classDiagram class categoryOfText { <<Type textContent_categoryOfTextType>> } class textContent { <<Base Type textContent_categoryOfTextLabel>> } class textContent { <<@ Attributes @ code textContent_categoryOfTextCode>> } categoryOfText "0..1" --> textContent : categoryOfText categoryOfText "0..1" --> textContent : categoryOfText </pre>											
Type	textContent_categoryOfTextType											
Type hierarchy	<ul style="list-style-type: none"> xs:string textContent_categoryOfTextLabel textContent_categoryOfTextType 											
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> <td></td> </tr> <tr> <td>minOccurs:</td> <td>0</td> <td></td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> <td></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>textContent_categoryOfTextCode</td> <td>required</td> </tr> </tbody> </table>			QName	Type	Use	code	textContent_categoryOfTextCode	required			
QName	Type	Use										
code	textContent_categoryOfTextCode	required										

Element `textContentType / information`

Namespace	http://www.aho.int/S131/2.0											
Diagram	<pre> classDiagram class information { <<Type informationType>> } class informationType { <<fileLocator
Type fileLocatorType>> <<fileReference
Type fileReferenceType>> <<headline
Type headlineType>> <<language
Type languageType>> <<text
Type textType>> } information "0..1" --> informationType : information </pre>											
Type	informationType											
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> <td></td> </tr> <tr> <td>minOccurs:</td> <td>0</td> <td></td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> <td></td> </tr> </table>			content:	complex		minOccurs:	0		maxOccurs:	unbounded	
content:	complex											
minOccurs:	0											
maxOccurs:	unbounded											
Model	fileLocator{0,1} , fileReference{0,1} , headline* , language{0,1} , text{0,1}											

Element `textContentType / onlineResource`

Namespace	http://www.aho.int/S131/2.0		
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Diagram	<pre> classDiagram class onlineResourceType { linkage protocol applicationProfile nameOfResource onlineResourceDescription onlineFunction protocolRequest } class onlineResource { Type onlineResourceType } onlineResource < -- onlineResourceType note over onlineResourceType: Information about online sources from which a resource or data can be obtained. </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}						

Element onlineResourceType / linkage

Namespace	http://www.ihc.int/S131/2.0						
Annotations	Not nullable						
Diagram	<pre> classDiagram class linkage { Type linkageType } note over linkage: Location (address) for online access using a URL/URI address or similar addressing scheme. </pre>						
Type	linkageType						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">simple</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						

Element onlineResourceType / protocol

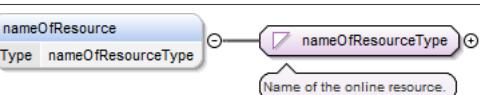
Namespace	http://www.ihc.int/S131/2.0						
Diagram	<pre> classDiagram class protocol { Type protocolType } note over protocol: Connection protocol to be used. Example: ftp, http get KVP, http POST, etc. </pre>						
Type	protocolType						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">simple</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element onlineResourceType / applicationProfile

Namespace	http://www.ihc.int/S131/2.0
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Diagram							
Type	applicationProfileType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

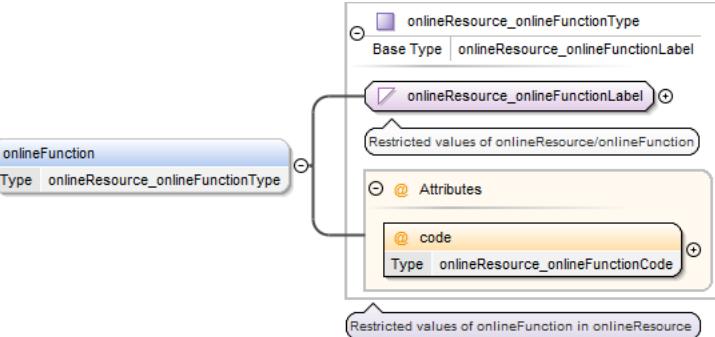
Element onlineResourceType / nameOfResource

Namespace	http://www.ih0.int/S131/2.0						
Diagram							
Type	nameOfResourceType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element onlineResourceType / onlineResourceDescription

Namespace	http://www.ih0.int/S131/2.0						
Diagram							
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						

Element onlineResourceType / onlineFunction

Namespace	http://www.ih0.int/S131/2.0						
Diagram							
Type	onlineResource_onlineFunctionType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • 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	QName	Type	Use
	code	onlineResource_onlineFunctionCode	required

Element onlineResourceType / protocolRequest

Namespace	http://www.ihodata.org/S131/2.0						
Diagram							
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						

Element textContentType / sourceIndication

Namespace	http://www.ihodata.org/S131/2.0						
Diagram							
Type	sourceIndicationType						
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	categoryOfAuthority{0,1} , countryName{0,1} , source{0,1} , sourceType{0,1} , reportedDate{0,1} , featureName*						

Element sourceIndicationType / categoryOfAuthority

Namespace	http://www.ihodata.org/S131/2.0
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> <hr/> <p>minOccurs: 0</p> <hr/> <p>maxOccurs: 1</p>								
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>sourceIndication_categoryOfAuthorityCode</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		code	sourceIndication_categoryOfAuthorityCode	required	
QName	Type	Use							
code	sourceIndication_categoryOfAuthorityCode	required							

Element sourceIndicationType / countryName

Namespace	http://www.ihc.int/S131/2.0
Diagram	<pre> classDiagram class countryName { <<Type>> countryNameType } countryName "1" --> "1" countryNameType note over countryNameType: The name of a nation. </pre>
Type	countryNameType
Properties	content: simple minOccurs: 0 maxOccurs: 1

Element sourceIndicationType / source

Namespace	http://www.ihc.int/S131/2.0						
Diagram	 <pre> classDiagram class source { <<sourceType>> <<Type>> } source < -- sourceType sourceType < -- sourceType sourceType < -- sourceType </pre> <p>The publication, document, or reference work from which information comes or is acquired.</p>						
Type	sourceType						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element sourceIndicationType / sourceType

Namespace	http://www.ihc.int/S131/2.0
Diagram	<pre> classDiagram class sourceType { <<sourceIndication_sourceTypeType>> } class sourceIndication { <<sourceIndication_sourceTypeType>> <<sourceIndication_sourceTypeLabel>> <<@ Attributes>> <<@ code>> <<sourceIndication_sourceTypeCode>> } sourceType "1" --> "1" sourceIndication sourceIndication "1" --> "1" sourceIndication_sourceTypeLabel sourceIndication "1" --> "1" sourceIndication_sourceTypeCode sourceIndication_sourceTypeLabel "1" --> "1" sourceIndication_sourceTypeCode </pre> <p>The diagram illustrates the UML Class Diagram fragment for the <code>sourceType</code> and <code>sourceIndication</code> classes. The <code>sourceType</code> class has a self-referencing association named <code>sourceIndication_sourceTypeType</code>. The <code>sourceIndication</code> class has three associations: one to itself named <code>sourceIndication_sourceTypeLabel</code>, one to itself named <code>sourceIndication_sourceTypeCode</code>, and one from the <code>sourceType</code> class named <code>sourceIndication_sourceTypeType</code>. The <code>sourceIndication</code> class also contains an association named <code>sourceIndication_sourceTypeLabel</code> and an attribute named <code>sourceIndication_sourceTypeCode</code>.</p>
Type	<code>sourceIndication_sourceTypeType</code>
Type hierarchy	<ul style="list-style-type: none"> • <code>xs:string</code> • <code>sourceIndication sourceTypeLabel</code>

		<ul style="list-style-type: none"> sourceIndication_sourceTypeType
Properties	content:	complex
	minOccurs:	0
	maxOccurs:	1
Attributes	QName	Type
	code	sourceIndication_sourceType-Code
		required

Element sourceIndicationType / reportedDate

Namespace	http://www.aho.int/S131/2.0						
Diagram							
Type	reportedDateType						
Type hierarchy	<ul style="list-style-type: none"> S100_TrimmedDate <ul style="list-style-type: none"> reportedDateType 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	gDay gMonth gYear gMonthDay gYearMonth date						

Element sourceIndicationType / featureName

Namespace	http://www.aho.int/S131/2.0
Diagram	
Type	featureNameType

Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	language , name , nameUsage{0,1}

Element featureNameType / language

Namespace	http://www.ihc.int/S131/2.0
Annotations	Not nullable
Diagram	<pre> graph LR language["language
Type languageType"] --> languageType["languageType
Type languageType"] </pre> <p>The diagram shows a UML class named "language" with a dependency arrow pointing to another class named "languageType". Both classes have a "Type" annotation below them. A callout box labeled "Not nullable" points to the "language" class. Another callout box provides a detailed description of "languageType": "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: 1 maxOccurs: 1

Element featureNameType / name

Namespace	http://www.ihc.int/S131/2.0
Annotations	Not nullable
Diagram	<pre> graph LR name["name
Type nameType"] --> nameType["nameType
Type nameType"] </pre> <p>The diagram shows a UML class named "name" with a dependency arrow pointing to another class named "nameType". Both classes have a "Type" annotation below them. A callout box labeled "Not nullable" points to the "name" class. Another callout box provides a detailed description of "nameType": "The individual name of a feature.".</p>
Type	nameType
Properties	content: simple minOccurs: 1 maxOccurs: 1

Element featureNameType / nameUsage

Namespace	http://www.ihc.int/S131/2.0
Diagram	<pre> graph LR nameUsage["nameUsage
Type featureName_nameUsageType"] --> featureName_nameUsageType["featureName_nameUsageType
Base Type featureName_nameUsageLabel"] featureName_nameUsageType --> featureName_nameUsageLabel["featureName_nameUsageLabel
Type featureName_nameUsageLabel"] featureName_nameUsageLabel --> code["@ code
Type featureName_nameUsageCode"] </pre> <p>The diagram shows a UML class named "nameUsage" with a dependency arrow pointing to another class named "featureName_nameUsageType". This class has a "Base Type" annotation above it and a "featureName_nameUsageLabel" annotation below. A callout box labeled "Restricted values of featureName/nameUsage" points to "featureName_nameUsageLabel". Another callout box labeled "@ Attributes" points to a box containing "@ code" and "Type featureName_nameUsageCode". A final callout box labeled "Restricted values of nameUsage in featureName" points to "code".</p>
Type	featureName_nameUsageType
Type hierarchy	<ul style="list-style-type: none"> • xs:string • featureName_nameUsageLabel • featureName_nameUsageType
Properties	content: complex minOccurs: 0 maxOccurs: 1

Attributes	QName	Type	Use
	code	featureName_nameUsageCode	required

Element constructionInformationType / fixedDateRange

Namespace	http://www.aho.int/S131/2.0						
Diagram	<p>An active period of a single fixed event or occurrence, as the date range between discrete start and end dates.</p>						
Type	fixedDateRangeType						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	dateStart{0,1} , dateEnd{0,1}						

Element fixedDateRangeType / dateStart

Namespace	http://www.aho.int/S131/2.0						
Diagram	<p>built in date types from W3C XML schema, implementing S-100 truncated date</p> <p>The earliest date on which an object (for example a buoy) will be present.</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>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	gDay gMonth gYear gMonthDay gYearMonth date						

Element fixedDateRangeType / dateEnd

Namespace	http://www.aho.int/S131/2.0
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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						

Element constructionInformationType / condition

Namespace	http://www.ihc.int/S131/2.0											
Diagram												
Type	constructionInformation_conditionType											
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • constructionInformation_conditionLabel • constructionInformation_conditionType 											
Properties	<table> <tr> <td>content:</td> <td>complex</td> <td>+</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> <td></td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> <td></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>constructionInformation_conditionCode</td> <td>required</td> </tr> </tbody> </table>			QName	Type	Use	code	constructionInformation_conditionCode	required			
QName	Type	Use										
code	constructionInformation_conditionCode	required										

Element constructionInformationType / development

Namespace	http://www.ihc.int/S131/2.0		
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Annotations	Is nullable		
Diagram	<pre> classDiagram development < -- developmentType development "1..> developmentType development "is nullable" developmentType "0..1" "nilReason" developmentType "Describes a feature that is in development." </pre>		
Type	extension of developmentType		
Type hierarchy	<ul style="list-style-type: none"> xs:string developmentType 		
Properties	content:	complex	
	minOccurs:	1	
	maxOccurs:	1	
	nillable:	true	
Attributes	QName	Type	Use
	nilReason	gml:NilReasonEnumeration	optional

Element constructionInformationType / locationByText

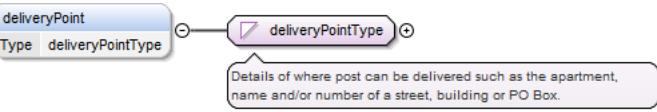
Namespace	http://www.ihc.int/S131/2.0											
Diagram	<pre> classDiagram locationByText < -- locationByTextType locationByText "0..1" "locationByTextType" locationByTextType "A textual rendering of a geographic location." </pre>											
Type	locationByTextType											
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> <td></td> </tr> <tr> <td>minOccurs:</td> <td>0</td> <td></td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> <td></td> </tr> </table>			content:	simple		minOccurs:	0		maxOccurs:	1	
content:	simple											
minOccurs:	0											
maxOccurs:	1											
Model												

Element constructionInformationType / textContent

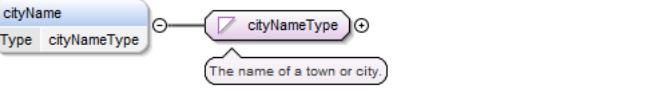
Namespace	http://www.ihc.int/S131/2.0											
Diagram	<pre> classDiagram textContent < -- textContentType textContent "0..1" "textContentType" textContentType "Textual material, or a pointer to a resource providing textual material. May be accompanied by basic information about..." textContentType "categoryOfText" textContentType "information" textContentType "onlineResource" textContentType "sourceIndication" </pre>											
Type	textContentType											
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> <td></td> </tr> <tr> <td>minOccurs:</td> <td>0</td> <td></td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> <td></td> </tr> </table>			content:	complex		minOccurs:	0		maxOccurs:	unbounded	
content:	complex											
minOccurs:	0											
maxOccurs:	unbounded											
Model	categoryOfText{0,1} , information* , onlineResource{0,1} , sourceIndication*											

Element contactAddressType / deliveryPoint

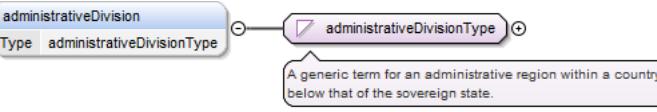
Namespace	http://www.ihc.int/S131/2.0		
Model			

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

Element contactAddressType / cityName

Namespace	http://www.aho.int/S131/2.0						
Diagram							
Type	cityNameType						
Properties	<table border="1"> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element contactAddressType / administrativeDivision

Namespace	http://www.aho.int/S131/2.0						
Diagram							
Type	administrativeDivisionType						
Properties	<table border="1"> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element contactAddressType / countryName

Namespace	http://www.aho.int/S131/2.0						
Diagram							
Type	countryNameType						
Properties	<table border="1"> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element contactAddressType / postalCode

Namespace	http://www.aho.int/S131/2.0		
Diagram			
Type	postalCodeType		
Properties	<table border="1"> <tr> <td>content:</td><td>simple</td></tr> </table>	content:	simple
content:	simple		

minOccurs:	0
maxOccurs:	1

Element depthsDescriptionType / categoryOfDepthsDescription

Namespace	http://www.ihodata.org/S131/2.0									
Annotations	Is nullable									
Diagram	<pre> classDiagram depthsDescription_type < -- depthsDescription_categoryOfDepthsDescriptionType depthsDescription_categoryOfDepthsDescriptionType { @code @nilReason } </pre>									
Type	extension of depthsDescription_categoryOfDepthsDescriptionType									
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> depthsDescription_categoryOfDepthsDescriptionLabel depthsDescription_categoryOfDepthsDescriptionType 									
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>depthsDescription_categoryOfDepthsDescriptionCode</td> <td>required</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonEnumeration</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	code	depthsDescription_categoryOfDepthsDescriptionCode	required	nilReason	gml:NilReasonEnumeration	optional
QName	Type	Use								
code	depthsDescription_categoryOfDepthsDescriptionCode	required								
nilReason	gml:NilReasonEnumeration	optional								

Element depthsDescriptionType / textContent

Namespace	http://www.ihodata.org/S131/2.0						
Diagram	<pre> classDiagram textContent_type { categoryOfText information onlineResource sourceIndication } </pre>						
Type	textContent_type						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	categoryOfText{0,1}, information*, onlineResource{0,1}, sourceIndication*						

Element facilitiesLayoutDescriptionType / textContent

Namespace	http://www.ihc.int/S131/2.0						
Diagram	<pre> classDiagram textContent <--> textContentType textContentType < -- categoryOfText : textContent_categoryOfTextType textContentType < -- information : informationType textContentType < -- onlineResource : onlineResourceType textContentType < -- sourceIndication : 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	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	categoryOfText{0,1} , information* , onlineResource{0,1} , sourceIndication*						

Element frequencyPairType / frequencyShoreStationReceives

Namespace	http://www.ihc.int/S131/2.0						
Diagram	<pre> frequencyShoreStationReceives <--> frequencyShoreStationReceivesType </pre> <p>The shore station receiver frequency.</p>						
Type	frequencyShoreStationReceivesType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	minExclusive 0						

Element frequencyPairType / frequencyShoreStationTransmits

Namespace	http://www.ihc.int/S131/2.0								
Annotations	Is nullable								
Diagram	<pre> frequencyShoreStationTransmits <--> frequencyShoreStationTransmitsType </pre> <p>The shore station transmitter frequency.</p> <p>Attributes</p> <ul style="list-style-type: none"> @nilReason 								
Type	extension of frequencyShoreStationTransmitsType								
Type hierarchy	<ul style="list-style-type: none"> xs:integer <ul style="list-style-type: none"> frequencyShoreStationTransmitsType 								
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>nullable:</td> <td>true</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1	nullable:	true
content:	complex								
minOccurs:	1								
maxOccurs:	1								
nullable:	true								

Attributes	QName	Type	Use
	nilReason	gml:NilReasonEnumeration	optional

Element generalHarbourInformationType / generalPortDescription

Namespace	http://www.ihodata.org/S131/2.0						
Diagram	<pre> classDiagram class generalPortDescriptionType { <<generalPortDescription>> <<generalPortDescriptionType>> } class textContentType { <<textContent>> <<textContentType>> } generalPortDescriptionType "1..>"--> "1..>" textContentType </pre> <p>General, introductory information about the port.</p>						
Type	generalPortDescriptionType						
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	textContent+						

Element generalPortDescriptionType / textContent

Namespace	http://www.ihodata.org/S131/2.0						
Diagram	<pre> classDiagram class textContentType { <<textContent>> <<textContentType>> } class categoryOfText { <<categoryOfText>> <<textContent_categoryOfTextType>> } class information { <<information>> <<informationType>> } class onlineResource { <<onlineResource>> <<onlineResourceType>> } class sourceIndication { <<sourceIndication>> <<sourceIndicationType>> } textContentType "0..>"--> "1..>" categoryOfText textContentType "0..>"--> "1..>" information textContentType "0..>"--> "1..>" onlineResource textContentType "0..>"--> "1..>" sourceIndication </pre> <p>Textual material, or a pointer to a resource providing textual material. May be accompanied by basic information about...</p>						
Type	textContentType						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	categoryOfText{0,1} , information* , onlineResource{0,1} , sourceIndication*						

Element generalHarbourInformationType / facilitiesLayoutDescription

Namespace	http://www.ihodata.org/S131/2.0						
Diagram	<pre> classDiagram class facilitiesLayoutDescriptionType { <<facilitiesLayoutDescription>> <<facilitiesLayoutDescriptionType>> } class textContentType { <<textContent>> <<textContentType>> } facilitiesLayoutDescriptionType "1..>"--> "1..>" textContentType </pre> <p>Textual description of the layout of port facilities.</p>						
Type	facilitiesLayoutDescriptionType						
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	textContent+						

Element generalHarbourInformationType / limitsDescription

Namespace	http://www.ihc.int/S131/2.0						
Diagram	<pre> classDiagram class limitsDescription { <<limitsDescriptionType>> } class textContent { <<textContentType>> } limitsDescription "1..oo" --> textContent </pre> <p>Description of the area covered by the information specified.</p>						
Type	limitsDescriptionType						
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	textContent+						

Element limitsDescriptionType / textContent

Namespace	http://www.ihc.int/S131/2.0						
Diagram	<pre> classDiagram class textContent { <<textContentType>> } class categoryOfText { <<textContent_categoryOfTextType>> } class information { <<informationType>> } class onlineResource { <<onlineResourceType>> } class sourceIndication { <<sourceIndicationType>> } textContent "*" --> categoryOfText textContent "*" --> information textContent "*" --> onlineResource textContent "*" --> sourceIndication </pre> <p>Textual material, or a pointer to a resource providing textual material. May be accompanied by basic information about...</p>						
Type	textContentType						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	categoryOfText{0,1} , information* , onlineResource{0,1} , sourceIndication*						

Element generalHarbourInformationType / constructionInformation

Namespace	http://www.ihc.int/S131/2.0
Diagram	<pre> classDiagram class constructionInformation { <<constructionInformationType>> } class fixedDateRange { <<fixedDateRangeType>> } class condition { <<constructionInformation_conditionType>> } class development { <<Extension of 'developmentType'>> } class locationByText { <<locationByTextType>> } class textContent { <<textContentType>> } constructionInformation "*" --> fixedDateRange constructionInformation "*" --> condition constructionInformation "*" --> development constructionInformation "*" --> locationByText constructionInformation "*" --> textContent </pre> <p>A description of construction or other development in a location where the work will affect vessel operations such as...</p>

Type	constructionInformationType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	fixedDateRange{0,1} , condition{0,1} , development , locationByText{0,1} , textContent*

Element generalHarbourInformationType / cargoServicesDescription

Namespace	http://www.ihc.int/S131/2.0
Diagram	<pre> classDiagram class cargoServicesDescription { <<cargoServicesDescriptionType>> } class textContent { <<textContentType>> } cargoServicesDescription "1..>" textContent </pre> <p>Description of services related to the goods or items carried by vessels.</p>
Type	cargoServicesDescriptionType
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	textContent+

Element generalHarbourInformationType / weatherResource

Namespace	http://www.ihc.int/S131/2.0
Diagram	<pre> classDiagram class weatherResource { <<weatherResourceType>> } class onlineResource { <<onlineResourceType>> } class dynamicResource { <<weatherResource_dynamicResourceType>> } class textContent { <<textContentType>> } weatherResource "1..>" onlineResource weatherResource "1..>" dynamicResource weatherResource "1..>" textContent </pre> <p>Links for relevant weather related information.</p>
Type	weatherResourceType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	onlineResource{0,1} , dynamicResource{0,1} , textContent{0,1}

Element weatherResourceType / onlineResource

Namespace	http://www.ihc.int/S131/2.0
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Diagram							
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}						

Element weatherResourceType / dynamicResource

Namespace	http://www.aho.int/S131/2.0									
Diagram										
Type	weatherResource_dynamicResourceType									
Type hierarchy	<ul style="list-style-type: none"> • xs:string • weatherResource_dynamicResourceLabel • weatherResource_dynamicResourceType 									
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>code</td> <td>weatherResource_dynamicResourceCode</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		code	weatherResource_dynamicResourceCode	required		
QName	Type	Use								
code	weatherResource_dynamicResourceCode	required								

Element weatherResourceType / textContent

Namespace	http://www.ihc.int/S131/2.0						
Diagram	<pre> classDiagram textContent < -- textContentType textContentType < -- textContentTypeType textContentTypeType < -- categoryOfText : textContent_categoryOfTextType textContentTypeType < -- information : informationType textContentTypeType < -- onlineResource : onlineResourceType textContentTypeType < -- sourceIndication : sourceIndicationType textContentTypeType --> note: Textual material, or a pointer to a resource providing textual material. May be accompanied by basic information about... </pre>						
Type	textContentType						
Properties	<table border="1"> <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*						

Element graphicType / pictorialRepresentation

Namespace	http://www.ihc.int/S131/2.0						
Annotations	Not nullable						
Diagram	<pre> classDiagram pictorialRepresentation < -- pictorialRepresentationType pictorialRepresentationType < -- Not nullable pictorialRepresentationType --> note: Indicates whether a pictorial representation of the feature is available. </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> </table>	content:	simple	minOccurs:	1	maxOccurs:	unbounded
content:	simple						
minOccurs:	1						
maxOccurs:	unbounded						

Element graphicType / pictureCaption

Namespace	http://www.ihc.int/S131/2.0						
Diagram	<pre> classDiagram pictureCaption < -- pictureCaptionType pictureCaptionType < -- Short description of the purpose of the image pictureCaptionType --> note: Short description of the purpose of the image </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						

Element graphicType / sourceDate

Namespace	http://www.ihc.int/S131/2.0
Diagram	<pre> classDiagram sourceDate < -- sourceDateType sourceDateType < -- The production date of the source; for example the date of measurement. sourceDateType --> note: The production date of the source; for example the date of measurement. </pre>
Type	sourceDateType

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

Element graphicType / pictureInformation

Namespace	http://www.ih0.int/S131/2.0
Diagram	<pre> classDiagram pictureInformation < -- pictureInformationType pictureInformationType { cardinalDirection : bearingInformation_cardinalDirectionType distance : distanceType 0..oo information : informationType orientation : orientationType } </pre> <p>A set of information to provide credits to picture creator, copyright owner etc.</p>
Type	pictureInformationType
Properties	content: simple minOccurs: 0 maxOccurs: 1

Element graphicType / bearingInformation

Namespace	http://www.ih0.int/S131/2.0
Diagram	<pre> classDiagram bearingInformation < -- bearingInformationType bearingInformationType { cardinalDirection : bearingInformation_cardinalDirectionType distance : distanceType 0..oo information : informationType orientation : orientationType } </pre> <p>A bearing is the direction one object is from another object.</p>
Type	bearingInformationType
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	cardinalDirection{0,1} , distance{0,1} , information* , orientation{0,1}

Element horizontalPositionUncertaintyType / uncertaintyFixed

Namespace	http://www.ih0.int/S131/2.0
Annotations	Is nullable
Diagram	<pre> classDiagram uncertaintyFixed < -- uncertaintyFixedType uncertaintyFixed { is nullable } uncertaintyFixedType { The best estimate of the fixed horizontal or vertical accuracy component for positions, depths, heights, vertical... @ nilReason Type gml:NilReasonEnumeration } </pre>
Type	extension of uncertaintyFixedType
Type hierarchy	<ul style="list-style-type: none"> xs:decimal uncertaintyFixedType
Properties	content: complex minOccurs: 1

	maxOccurs:	1
	nillable:	true
Attributes	QName	Type
	nilReason	gml:NilReasonEnumeration optional

Element horizontalPositionUncertaintyType / uncertaintyVariableFactor

Namespace	http://www.ihc.int/S131/2.0	
Diagram		
Type	uncertaintyVariableFactorType	
Properties	content: simple minOccurs: 0 maxOccurs: 1	

Element landmarkDescriptionType / textContent

Namespace	http://www.ihc.int/S131/2.0	
Diagram		
Type	textContentType	
Properties	content: complex minOccurs: 1 maxOccurs: unbounded	
Model	categoryOfText{0,1} , information* , onlineResource{0,1} , sourceIndication*	

Element majorLightDescriptionType / textContent

Namespace	http://www.ihc.int/S131/2.0	
Diagram		

Type	textContentType
Properties	content: complex minOccurs: 1 maxOccurs: unbounded
Model	categoryOfText{0,1} , information* , onlineResource{0,1} , sourceIndication*

Element markedByType / textContent

Namespace	http://www.ihodata.org/S131/2.0
Diagram	
Type	textContentType
Properties	content: complex minOccurs: 1 maxOccurs: unbounded
Model	categoryOfText{0,1} , information* , onlineResource{0,1} , sourceIndication*

Element offshoreMarkDescriptionType / textContent

Namespace	http://www.ihodata.org/S131/2.0
Diagram	
Type	textContentType
Properties	content: complex minOccurs: 1 maxOccurs: unbounded
Model	categoryOfText{0,1} , information* , onlineResource{0,1} , sourceIndication*

Element periodicDateRangeType / dateStart

Namespace	http://www.ihodata.org/S131/2.0
Annotations	Not nullable

Diagram

```

classDiagram
    dateStartType <|-- S100:S100_TruncatedDate : extension base
    S100:S100_TruncatedDate <|-- gDay
    S100:S100_TruncatedDate <|-- gMonth
    S100:S100_TruncatedDate <|-- gYear
    S100:S100_TruncatedDate <|-- gMonthDay
    S100:S100_TruncatedDate <|-- gYearMonth
    S100:S100_TruncatedDate <|-- date

    dateStartType "0..1" --> "1..1" dateStart
    dateStart "0..1" --> "1..1" Type
    Type "0..1" --> "1..1" dateStartType
    Type "0..1" --> "1..1" Not nullable
    dateStartType "0..1" --> "1..1" Note
    dateStartType "0..1" --> "1..1" Description
  
```

dateStartType

Base Type | S100:S100_TruncatedDate

S100:S100_TruncatedDate (extension base)

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

built in date types from W3C XML schema, implementing S-100 truncated date

The earliest date on which an object (for example a buoy) will be present.

Type: dateStartType

Type hierarchy:

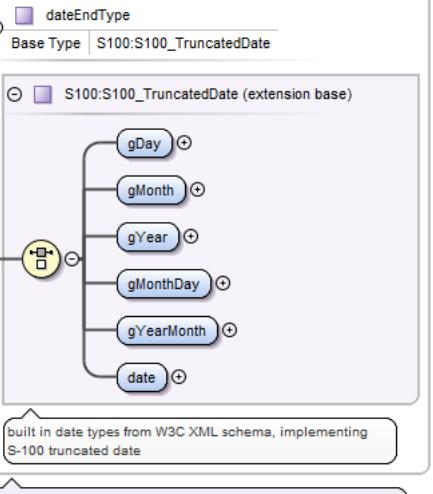
- S100_TruncatedDate
 - dateStartType

Properties

content:	complex
minOccurs:	1
maxOccurs:	1

Model: gDay | gMonth | gYear | gMonthDay | gYearMonth | date

Element periodicDateRangeType / dateEnd

Namespace	http://www.ihc.int/S131/2.0						
Annotations	Not nullable						
Diagram	 <p>The diagram illustrates the UML class structure for the <code>dateEndType</code>. It starts with a base type <code>S100:S100_TrimmedDate</code>, which is an extension base. This base type is associated with a class <code>dateEnd</code> (Type <code>dateEndType</code>) via a directed association. The <code>dateEnd</code> class is annotated as "Not nullable". Below the base type, there is a list of built-in date types from W3C XML schema, implementing S-100 truncated date: <code>gDay</code>, <code>gMonth</code>, <code>gYear</code>, <code>gMonthDay</code>, <code>gYearMonth</code>, and <code>date</code>. A note below the list states: "The latest date on which an object (for example a buoy) will be present."</p>						
Type	<code>dateEndType</code>						
Type hierarchy	<ul style="list-style-type: none"> • <code>S100_TrimmedDate</code> <ul style="list-style-type: none"> • <code>dateEndType</code> 						
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	<code>gDay</code> <code>gMonth</code> <code>gYear</code> <code>gMonthDay</code> <code>gYearMonth</code> <code>date</code>						

Element rxNCodeType / categoryOfRxN

Namespace	http://www.aho.int/S131/2.0											
Diagram												
Type	rxNCode_categoryOfRxNType											
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> rxNCode_categoryOfRxNLabel rxNCode_categoryOfRxNType 											
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> <td></td> </tr> <tr> <td>minOccurs:</td> <td>0</td> <td></td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> <td></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>rxNCode_categoryOfRxNCode</td> <td>required</td> </tr> </tbody> </table>			QName	Type	Use	code	rxNCode_categoryOfRxNCode	required			
QName	Type	Use										
code	rxNCode_categoryOfRxNCode	required										

Element rxNCodeType / actionOrActivity

Namespace	http://www.aho.int/S131/2.0											
Diagram												
Type	rxNCode_actionOrActivityType											
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> rxNCode_actionOrActivityLabel rxNCode_actionOrActivityType 											
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> <td></td> </tr> <tr> <td>minOccurs:</td> <td>0</td> <td></td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> <td></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>rxNCode_actionOrActivityCode</td> <td>required</td> </tr> </tbody> </table>			QName	Type	Use	code	rxNCode_actionOrActivityCode	required			
QName	Type	Use										
code	rxNCode_actionOrActivityCode	required										

Element rxNCodeType / headline

Namespace	http://www.aho.int/S131/2.0		
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Diagram							
Type	headlineType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	unbounded
content:	simple						
minOccurs:	0						
maxOccurs:	unbounded						

Element scheduleByDayOfWeekType / categoryOfSchedule

Namespace	http://www.aho.int/S131/2.0						
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					

Element scheduleByDayOfWeekType / text

Namespace	http://www.aho.int/S131/2.0						
Diagram							
Type	textType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element scheduleByDayOfWeekType / timeIntervalsByDayOfWeek

Namespace	http://www.aho.int/S131/2.0
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Diagram	<p>The regular weekly operation times of a service or schedule.</p>
Type	timeIntervalsByDayOfWeekType
Properties	<p>content: complex</p> <p>minOccurs: 1</p> <p>maxOccurs: unbounded</p>
Model	dayOfWeek{0,7} , dayOfWeekIsRange{0,1} , timeOfDayStart* , timeOfDayEnd*

Element timeIntervalsByDayOfWeekType / dayOfWeek

Namespace	http://www.aho.int/S131/2.0						
Diagram	<p>Restricted values of timeIntervalsByDayOfWeek/dayOfWeek</p> <p>Restricted values of dayOfWeek in timeIntervalsByDayOfWeek</p>						
Type	timeIntervalsByDayOfWeek_dayOfWeekType						
Type hierarchy	<ul style="list-style-type: none"> xs:string timeIntervalsByDayOfWeek_dayOfWeekLabel timeIntervalsByDayOfWeek_dayOfWeekType 						
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 7</p>						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>timeIntervalsByDay-OfWeek_dayOfWeekCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	timeIntervalsByDay-OfWeek_dayOfWeekCode	required
QName	Type	Use					
code	timeIntervalsByDay-OfWeek_dayOfWeekCode	required					

Element timeIntervalsByDayOfWeekType / dayOfWeekIsRange

Namespace	http://www.aho.int/S131/2.0
Diagram	<p>A statement expressing if the days of the week identified define a range or not.</p>
Type	dayOfWeekIsRangeType
Properties	<p>content: simple</p> <p>minOccurs: 0</p>

maxOccurs:	1
------------	---

Element timeIntervalsByDayOfWeekType / timeOfDayStart

Namespace	http://www.oho.int/S131/2.0
Diagram	
Type	timeOfDayStartType
Properties	content: simple minOccurs: 0 maxOccurs: unbounded

Element timeIntervalsByDayOfWeekType / timeOfDayEnd

Namespace	http://www.oho.int/S131/2.0
Diagram	
Type	timeOfDayEndType
Properties	content: simple minOccurs: 0 maxOccurs: unbounded

Element spatialAccuracyType / fixedDateRange

Namespace	http://www.oho.int/S131/2.0
Diagram	
Type	fixedDateRangeType
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	dateStart{0,1} , dateEnd{0,1}

Element spatialAccuracyType / horizontalPositionUncertainty

Namespace	http://www.oho.int/S131/2.0
Diagram	
Type	horizontalPositionUncertaintyType
Properties	content: complex

	minOccurs:	0
	maxOccurs:	1
Model	uncertaintyFixed , uncertaintyVariableFactor{0,1}	

Element spatialAccuracyType / verticalUncertainty

Namespace	http://www.ihodata.org/S131/2.0
Diagram	<pre> classDiagram verticalUncertaintyType < -- uncertaintyFixed verticalUncertaintyType < -- uncertaintyVariableFactor verticalUncertaintyType < -- isNil verticalUncertaintyType --> note: "The best estimate of the vertical accuracy of depths, heights, vertical distances and vertical clearances." </pre>
Type	verticalUncertaintyType
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	uncertaintyFixed , uncertaintyVariableFactor{0,1}

Element verticalUncertaintyType / uncertaintyFixed

Namespace	http://www.ihodata.org/S131/2.0						
Annotations	is nullable						
Diagram	<pre> classDiagram uncertaintyFixedType < -- uncertaintyFixed uncertaintyFixedType < -- isNil uncertaintyFixedType < -- nilReason uncertaintyFixedType --> note: "The best estimate of the fixed horizontal or vertical accuracy component for positions, depths, heights, vertical..." uncertaintyFixedType --> note: "is nullable" </pre>						
Type	extension of uncertaintyFixedType						
Type hierarchy	<ul style="list-style-type: none"> xs:decimal uncertaintyFixedType 						
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>nilReason</td> <td>gml:NilReasonEnumeration</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	nilReason	gml:NilReasonEnumeration	optional
QName	Type	Use					
nilReason	gml:NilReasonEnumeration	optional					

Element verticalUncertaintyType / uncertaintyVariableFactor

Namespace	http://www.ihodata.org/S131/2.0
Diagram	<pre> classDiagram uncertaintyVariableFactorType < -- uncertaintyVariableFactor uncertaintyVariableFactorType --> note: "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

Element surveyDateRangeType / dateStart

Namespace	http://www.ihc.int/S131/2.0						
Diagram							
Type	dateStartType						
Type hierarchy	<ul style="list-style-type: none"> • S100_TrimmedDate <ul style="list-style-type: none"> • dateStartType 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	gDay gMonth gYear gMonthDay gYearMonth date						

Element surveyDateRangeType / dateEnd

Namespace	http://www.ihc.int/S131/2.0
Annotations	Is nullable
Diagram	

Type	extension of dateEndType								
Type hierarchy	<ul style="list-style-type: none"> • S100_TruncatedDate <ul style="list-style-type: none"> • dateEndType 								
Properties	content: complex minOccurs: 1 maxOccurs: 1 nillable: true								
Model	gDay gMonth gYear gMonthDay gYearMonth date								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>nilReason</td> <td>gml:NilReasonEnumeration</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	nilReason	gml:NilReasonEnumeration	optional		
QName	Type	Use							
nilReason	gml:NilReasonEnumeration	optional							

Element **telecommunicationsType / categoryOfCommunicationPreference**

Namespace	http://www.ihc.int/S131/2.0								
Diagram	<pre> graph LR A[categoryOfCommunicationPreference] --> B[telecommunications_categoryOfCommunicationPreferenceType] B --> C[telecommunications_categoryOfCommunicationPreferenceLabel] B --> D[Attributes] D --> E[code] E --> F[Restricted values of categoryOfCommunicationPreference in telecommunications] </pre>								
Type	telecommunications_categoryOfCommunicationPreferenceType								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • telecommunications_categoryOfCommunicationPreferenceLabel • telecommunications_categoryOfCommunicationPreferenceType 								
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>telecommunications_categoryOfCommunicationPreference-Code</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	telecommunications_categoryOfCommunicationPreference-Code	required		
QName	Type	Use							
code	telecommunications_categoryOfCommunicationPreference-Code	required							

Element **telecommunicationsType / telecommunicationIdentifier**

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Is nillable		
Diagram	<pre> graph LR A[telecommunicationIdentifier] --> B[telecommunicationIdentifierType] B --> C[An identifier, such as words, numbers, letters, symbols, or any combination of those used to establish a contact to a...] B --> D[Attributes] D --> E[nilReason] </pre>		
Type	extension of telecommunicationIdentifierType		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • telecommunicationIdentifierType 		

Properties	content: complex minOccurs: 1 maxOccurs: 1 nillable: true		
Attributes	QName	Type	Use
	nilReason	gml:NilReasonEnumeration	optional

Element **telecommunicationsType / telecommunicationCarrier**

Namespace	http://www.ih0.int/S131/2.0
Diagram	<pre> classDiagram telecommunicationCarrier < -- telecommunicationCarrierType telecommunicationCarrierType <--> "The name of a provider or type of carrier for a telecommunication service. This service may include land line based,..." </pre>
Type	telecommunicationCarrierType
Properties	content: simple minOccurs: 0 maxOccurs: 1

Element **telecommunicationsType / contactInstructions**

Namespace	http://www.ih0.int/S131/2.0
Diagram	<pre> classDiagram contactInstructions < -- contactInstructionsType contactInstructionsType <--> "Instructions provided on how to contact a particular person, organisation or service." </pre>
Type	contactInstructionsType
Properties	content: simple minOccurs: 0 maxOccurs: 1

Element **telecommunicationsType / telecommunicationService**

Namespace	http://www.ih0.int/S131/2.0
Diagram	<pre> classDiagram telecommunicationService < -- telecommunications_telecommunicationServiceType telecommunications_telecommunicationServiceType <--> "Restricted values of telecommunications/telecommunicationService" telecommunications_telecommunicationServiceType <--> "@ Attributes" telecommunications_telecommunicationServiceType <--> "Restricted values of telecommunicationService in telecommunications" </pre>
Type	telecommunications_telecommunicationServiceType
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • telecommunications_telecommunicationServiceLabel • telecommunications_telecommunicationServiceType
Properties	content: complex minOccurs: 0

	maxOccurs:	unbounded		
Attributes	QName	Type	Use	

Element usefulMarkDescriptionType / textContent

Namespace	http://www.ihc.int/S131/2.0
Diagram	
Type	textContentType
Properties	content: complex minOccurs: 1 maxOccurs: unbounded
Model	categoryOfText{0,1} , information* , onlineResource{0,1} , sourceIndication*

Element vesselMeasurementsSpecificationType / comparisonOperator

Namespace	http://www.ihc.int/S131/2.0						
Annotations	Not nullable						
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	content: complex minOccurs: 1 maxOccurs: 1						
Attributes	<table border="1"> <tr> <td>QName</td> <td>Type</td> <td>Use</td> </tr> <tr> <td>code</td> <td>vesselMeasurementsSpecification_comparisonOperatorCode</td> <td>required</td> </tr> </table>	QName	Type	Use	code	vesselMeasurementsSpecification_comparisonOperatorCode	required
QName	Type	Use					
code	vesselMeasurementsSpecification_comparisonOperatorCode	required					

Element vesselMeasurementsSpecificationType / vesselsCharacteristics

Namespace	http://www.ihc.int/S131/2.0								
Annotations	Not nullable								
Diagram	<pre> classDiagram class vesselMeasurementsSpecification_vesselsCharacteristicsType { <<Base Type>> vesselMeasurementsSpecification_vesselsCharacteristicsLabel <<Restricted values of vesselMeasurementsSpecification/vesselsCharacteristics>> <<@ Attributes>> @code <<Type vesselMeasurementsSpecification_vess...>> <<Restricted values of vesselsCharacteristics in vesselMeasurementsSpecification>> } </pre>								
Type	vesselMeasurementsSpecification_vesselsCharacteristicsType								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • vesselMeasurementsSpecification_vesselsCharacteristicsLabel • vesselMeasurementsSpecification_vesselsCharacteristicsType 								
Properties	<p>content: complex</p> <p>minOccurs: 1</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>vesselMeasurementsSpecification_vesselsCharacteristicsCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	vesselMeasurementsSpecification_vesselsCharacteristicsCode	required		
QName	Type	Use							
code	vesselMeasurementsSpecification_vesselsCharacteristicsCode	required							

Element vesselMeasurementsSpecificationType / vesselsCharacteristicsValue

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Not nullable		
Diagram	<pre> classDiagram class vesselsCharacteristicsValueType { <<Type vesselsCharacteristicsValueType>> <<The value of a particular characteristic such as a dimension or tonnage of a vessel.>> } </pre>		
Type	vesselsCharacteristicsValueType		
Properties	<p>content: simple</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>		

Element vesselMeasurementsSpecificationType / vesselsCharacteristicsUnit

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Is nullable		
Diagram	<pre> classDiagram class vesselMeasurementsSpecification_vesselsCharacteristicsUnitType { <<Base Type>> vesselMeasurementsSpecification_vesselsCharacteristicsUnitLabel <<Restricted values of vesselMeasurementsSpecification/vesselsCharacteristicsUnit>> <<@ Attributes>> @code <<Type vesselMeasurementsSpecification_vess...>> <<Restricted values of vesselsCharacteristicsUnit in vesselMeasurementsSpecification>> } class vesselsCharacteristicsUnit { <<Extension of 'vesselMeasurementsSpecification_vesselsCharacteristicsUnitType'>> <<Is nullable>> <<@ Attributes>> @niReason <<Type gmt:NiReasonEnumeration>> } </pre>		

Type	extension of vesselMeasurementsSpecification_vesselsCharacteristicsUnitType		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • vesselMeasurementsSpecification_vesselsCharacteristicsUnitLabel • vesselMeasurementsSpecification_vesselsCharacteristicsUnitType 		
Properties	content: complex minOccurs: 1 maxOccurs: 1 nillable: true		
Attributes	QName	Type	Use
	code	vesselMeasurementsSpecification_vesselsCharacteristicsUnitCode	required
	nilReason	gml:NilReasonEnumeration	optional

Element InformationTypeType / featureName

Namespace	http://www.ihoint/S131/2.0
Diagram	<pre> classDiagram class featureNameType { <<featureNameType>> <<language>> Type languageType <<name>> Type nameType <<nameUsage>> Type featureName_nameUsageType } featureNameType "0..1" -- "0..1" featureName : <<featureName>> featureName "0..1" <<language>> featureName "0..1" <<name>> featureName "0..1" <<nameUsage>> note over featureName: Provides the name of an entity, defines the national language of the name, and provides the option to display the name... </pre>
Type	featureNameType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	language , name , nameUsage {0,1}

Element InformationTypeType / fixedDateRange

Namespace	http://www.ihoint/S131/2.0
Diagram	<pre> classDiagram class fixedDateRangeType { <<fixedDateRangeType>> <<dateStart>> Type dateStartType <<dateEnd>> Type dateEndType } fixedDateRangeType "0..1" -- "0..1" fixedDateRange : <<fixedDateRange>> fixedDateRange "0..1" <<dateStart>> fixedDateRange "0..1" <<dateEnd>> note over fixedDateRange: An active period of a single fixed event or occurrence, as the date range between discrete start and end dates. </pre>
Type	fixedDateRangeType
Properties	content: complex minOccurs: 0 maxOccurs: 1

Model	dateStart{0,1} , dateEnd{0,1}
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Element InformationTypeType / periodicDateRange

Namespace	http://www.ih0.int/S131/2.0						
Diagram	<pre> classDiagram class periodicDateRangeType { dateStart : dateStartType dateEnd : dateEndType } periodicDateRangeType < -- periodicDateRange dateStart >--> dateStartType dateEnd >--> dateEndType dateStartType < -- dateStartType dateEndType < -- dateEndType dateStartType < --> Not nullable dateEndType < --> Not nullable </pre> <p>The active period of a recurring event or occurrence.</p>						
Type	periodicDateRangeType						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	dateStart , dateEnd						

Element InformationTypeType / graphic

Namespace	http://www.ih0.int/S131/2.0						
Diagram	<pre> classDiagram class graphicType { 1..oo pictorialRepresentation : pictorialRepresentationType pictureCaption : pictureCaptionType sourceDate : sourceDateType pictureInformation : pictureInformationType bearingInformation : bearingInformationType } graphicType < -- graphic pictorialRepresentation >--> pictorialRepresentationType pictureCaption >--> pictureCaptionType sourceDate >--> sourceDateType pictureInformation >--> pictureInformationType bearingInformation >--> bearingInformationType </pre> <p>Pictorial information such as a photograph, sketch or other graphic, optionally accompanied by descriptive information...</p>						
Type	graphicType						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	pictorialRepresentation+ , pictureCaption{0,1} , sourceDate{0,1} , pictureInformation{0,1} , bearingInformation{0,1}						

Element InformationTypeType / sourceIndication

Namespace	http://www.ih0.int/S131/2.0
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Diagram	<pre> classDiagram sourceIndicationType { categoryOfAuthority : sourceIndication_categoryOfAuthorityType countryName : countryNameType source : sourceType sourceType : sourceIndication_sourceTypeType reportedDate : reportedDateType <<0..oo>> featureName : featureNameType } sourceIndicationType < -- sourceIndication sourceIndication { <<sourceIndicationType>> } note over sourceIndicationType: Information about the source document, publication, or reference from which object data or textual material included or... </pre>						
Type	sourceIndicationType						
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	categoryOfAuthority{0,1} , countryName{0,1} , source{0,1} , sourceType{0,1} , reportedDate{0,1} , featureName*						

Element AbstractRxNType / categoryOfAuthority

Namespace	http://www.aho.int/S131/2.0						
Diagram	<pre> classDiagram categoryOfAuthority { <<AbstractRxN>> <<Base Type AbstractRxN_categoryOfAuthorityLabel>> code : AbstractRxN_categoryOfAuthorityCode } categoryOfAuthority < -- AbstractRxN_categoryOfAuthorityLabel note over categoryOfAuthority: Restricted values of categoryOfAuthority in AbstractRxN </pre>						
Type	AbstractRxN_categoryOfAuthorityType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • AbstractRxN_categoryOfAuthorityLabel • AbstractRxN_categoryOfAuthorityType 						
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>AbstractRxN_categoryOfAuthorityCode</td><td>required</td></tr> </tbody> </table>	QName	Type	Use	code	AbstractRxN_categoryOfAuthorityCode	required
QName	Type	Use					
code	AbstractRxN_categoryOfAuthorityCode	required					

Element AbstractRxNType / rxNCode

Namespace	http://www.aho.int/S131/2.0
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Diagram	<pre> classDiagram class rxNCode { <<rxNCodeType>> } class rxNCodeType { categoryOfRxN : rxNCode_categoryOfRxNType actionOrActivity : rxNCode_actionOrActivityType headline : headlineType } rxNCode "0..>" rxNCodeType rxNCodeType --> rxNCode </pre>						
Type	rxNCodeType						
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	categoryOfRxN{0,1} , actionOrActivity{0,1} , headline*						

Element AbstractRxNType / textContent

Namespace	http://www.ihodata.org/S131/2.0						
Diagram	<pre> classDiagram class textContent { <<textContentType>> } class textContentType { categoryOfText : textContent_categoryOfTextType information : informationType onlineResource : onlineResourceType sourceIndication : sourceIndicationType } textContent "0..>" textContentType textContentType --> textContent </pre>						
Type	textContentType						
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	categoryOfText{0,1} , information* , onlineResource{0,1} , sourceIndication*						

Element AbstractRxNType / isApplicableTo

Namespace	http://www.ihodata.org/S131/2.0
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																																																		
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																																															
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xlink:title	xlink:titleAttrType			optional																																															
xlink:type	xlink:typeType	simple		optional																																															

Element isApplicableToType / InclusionType

Namespace	http://www.ihc.int/S131/2.0
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Diagram	<pre> classDiagram class InclusionTypeType { <> @ Attributes <> @ gml:id <> membership } class InclusionType { <> Type InclusionTypeType } class membership { <> Type membershipType } InclusionType < -- InclusionTypeType InclusionTypeType "1" *-- "1" membership membership "1" *-- "1" membershipType membership "1" *-- "1" code </pre> <p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory...</p> <p>Association class specifying the relationship between the subset of vessels described by an APPLIC data object and...</p>						
Type	InclusionTypeType						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	membership						
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="padding: 2px;">QName</th><th style="padding: 2px;">Type</th><th style="padding: 2px;">Use</th></tr> </thead> <tbody> <tr> <td style="padding: 2px;">gml:id</td><td style="padding: 2px;">ID</td><td style="padding: 2px;">optional</td></tr> </tbody> </table> <p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	QName	Type	Use	gml:id	ID	optional
QName	Type	Use					
gml:id	ID	optional					

Element InclusionTypeType / membership

Namespace	http://www.ihc.int/S131/2.0						
Diagram	<pre> classDiagram class membershipType { <> Base Type membershipLabel } class membershipLabel { <> membership } class membership { <> Type membershipType } membershipType "1" *-- "1" membership membership "1" *-- "1" membershipLabel membershipLabel "1" *-- "1" code membership "1" *-- "1" membershipCode </pre> <p>Indicates whether a vessel is included or excluded from the regulation/restriction/recommendation/nautical information.</p> <p>Indicates whether a vessel is included or excluded from the regulation/restriction/recommendation/nautical information.</p>						
Type	membershipType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • membershipLabel • membershipType 						
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
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maxOccurs:	1						
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="padding: 2px;">QName</th><th style="padding: 2px;">Type</th><th style="padding: 2px;">Use</th></tr> </thead> <tbody> <tr> <td style="padding: 2px;">code</td><td style="padding: 2px;">membershipCode</td><td style="padding: 2px;">required</td></tr> </tbody> </table>	QName	Type	Use	code	membershipCode	required
QName	Type	Use					
code	membershipCode	required					

Element AbstractRxNType / theOrganisation

Namespace	http://www.ihc.int/S131/2.0
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Annotations	Authority[0..*]																																																		
Diagram	<p>The diagram illustrates the structure of the <code>theAuthority</code> element. It is defined as a <code>gml:ReferenceType</code>. This type includes two attribute groups: <code>gml:OwnershipAttributeGroup</code> and <code>gml:AssociationAttributeGroup</code>. A note states: "Encoding a GML property inline vs. by-reference shall not imply anything about the 'ownership' of the contained or..." Another note specifies: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group....". A general note at the bottom indicates: "gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a...".</p>																																																		
Type	<code>gml:ReferenceType</code>																																																		
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded																																												
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minOccurs:	0																																																		
maxOccurs:	unbounded																																																		
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Element `ApplicabilityType / inBallast`

Namespace	http://www.ihoint/S131/2.0						
Diagram	<p>The diagram shows the <code>inBallast</code> element as a reference type (<code>inBallastType</code>). A note below the diagram states: "Whether the vessel is in ballast."</p>						
Type	<code>inBallastType</code>						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element `ApplicabilityType / categoryOfCargo`

Namespace	http://www.ihoint/S131/2.0
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Diagram	<pre> classDiagram categoryOfCargo "Type" --> Applicability_categoryOfCargoType Applicability_categoryOfCargoType "Base Type" < -- Applicability_categoryOfCargoLabel Applicability_categoryOfCargoLabel "Custom enum: Applicability/categoryOfCargo" code "Attributes" code "Type: Applicability_categoryOfCargoCode" note "Restricted values of categoryOfCargo in Applicability" </pre>						
Type	Applicability_categoryOfCargoType						
Type hierarchy	<ul style="list-style-type: none"> • 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					

Element ApplicabilityType / categoryOfDangerousOrHazardousCargo

Namespace	http://www.ihc.int/S131/2.0						
Diagram	<pre> classDiagram categoryOfDangerousOrHazardousCargo "Type" --> Applicability_categoryOfDangerousOrHazardousCargoType Applicability_categoryOfDangerousOrHazardousCargoType "Base Type" < -- Applicability_categoryOfDangerousOrHazardousCargoLabel Applicability_categoryOfDangerousOrHazardousCargoLabel "Custom enum: Applicability/categoryOfDangerousOrHazardousCargo" code "Attributes" code "Type: Applicability_categoryOfDangerousOrHazardousCargoCode" note "Restricted values of categoryOfDangerousOrHazardousCargo in Applicability" </pre>						
Type	Applicability_categoryOfDangerousOrHazardousCargoType						
Type hierarchy	<ul style="list-style-type: none"> • 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					

Element ApplicabilityType / categoryOfVessel

Namespace	http://www.ihc.int/S131/2.0
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Diagram							
Type	Applicability_categoryOfVesselType						
Type hierarchy	<ul style="list-style-type: none"> • xs:anySimpleType <ul style="list-style-type: none"> • categoryOfVesselLabel_Union <ul style="list-style-type: none"> • Applicability_categoryOfVesselType 						
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="text-align: left; padding: 2px;">QName</th><th style="text-align: left; padding: 2px;">Type</th><th style="text-align: left; padding: 2px;">Use</th></tr> </thead> <tbody> <tr> <td style="padding: 2px;">code</td><td style="padding: 2px;">Applicability_categoryOfVesselCode</td><td style="padding: 2px;">optional</td></tr> </tbody> </table>	QName	Type	Use	code	Applicability_categoryOfVesselCode	optional
QName	Type	Use					
code	Applicability_categoryOfVesselCode	optional					

Element ApplicabilityType / categoryOfVesselRegistry

Namespace	http://www.ihc.int/S131/2.0						
Diagram							
Type	Applicability_categoryOfVesselRegistryType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • Applicability_categoryOfVesselRegistryLabel <ul style="list-style-type: none"> • Applicability_categoryOfVesselRegistryType 						
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						
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QName	Type	Use					
code	Applicability_categoryOfVesselRegistryCode	required					

Element ApplicabilityType / logicalConnectives

Namespace	http://www.ihc.int/S131/2.0
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Diagram	<pre> classDiagram class Applicability_logicalConnectivesType { logicalConnectives : Applicability_logicalConnectivesLabel @ code : Applicability_logicalConnectivesCode } Applicability_logicalConnectivesLabel { Applicability logicalConnectives } note over Applicability_logicalConnectivesType: Restricted values of logicalConnectives in Applicability </pre>						
Type	Applicability_logicalConnectivesType						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> Applicability_logicalConnectivesLabel Applicability_logicalConnectivesType 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>Applicability_logicalConnectivesCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	Applicability_logicalConnectivesCode	required
QName	Type	Use					
code	Applicability_logicalConnectivesCode	required					

Element ApplicabilityType / thicknessOfIceCapability

Namespace	http://www.ihoint/S131/2.0						
Diagram	<pre> classDiagram class thicknessOfIceCapabilityType { thicknessOfIceCapability } note over thicknessOfIceCapabilityType: The thickness of ice that the ship can safely transit. </pre>						
Type	thicknessOfIceCapabilityType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	minExclusive 0						

Element ApplicabilityType / vesselPerformance

Namespace	http://www.ihoint/S131/2.0						
Diagram	<pre> classDiagram class vesselPerformanceType { vesselPerformance } note over vesselPerformanceType: A description of the required handling characteristics of a vessel including hull design, main and auxiliary machinery,.... </pre>						
Type	vesselPerformanceType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element ApplicabilityType / destination

Namespace	http://www.ihoint/S131/2.0
Diagram	<pre> classDiagram class destinationType { destination } note over destinationType: The place or general direction to which a vessel is going or directed. </pre>

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

Element ApplicabilityType / information

Namespace	http://www.ihodata.org/S131/2.0
Diagram	
Type	informationType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	fileLocator{0,1} , fileReference{0,1} , headline* , language{0,1} , text{0,1}

Element ApplicabilityType / vesselMeasurementsSpecification

Namespace	http://www.ihodata.org/S131/2.0
Diagram	
Type	vesselMeasurementsSpecificationType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	comparisonOperator , vesselsCharacteristics , vesselsCharacteristicsValue , vesselsCharacteristicsUnit

Element ApplicabilityType / theApplicableRxN

Namespace	http://www.ihodata.org/S131/2.0
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Annotations	AbstractRxN[0..*]																																																		
Diagram	<pre> classDiagram class theApplicableRxNType { <<AbstractRxN[0..*]>> } class gmlReferenceType { <<extension base>> <<Attributes>> gmtOwnershipAttributeGroup gmtAssociationAttributeGroup } class InclusionType { <<InclusionTypeType>> } theApplicableRxNType < -- gmlReferenceType gmlReferenceType < -- InclusionType </pre>																																																		
Type	theApplicableRxNType																																																		
Type hierarchy	<ul style="list-style-type: none"> • gml:ReferenceType • theApplicableRxNType 																																																		
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maxOccurs:	unbounded																																																		
Model	InclusionType																																																		
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xlink:type	xlink:typeType	simple		optional																																															

Element theApplicableRxNType / InclusionType

Namespace	http://www.ihc.int/S131/2.0
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Diagram	<p>The diagram illustrates the UML class InclusionTypeType. It has an attribute gmt:id (ID type) which is described as supporting provision of a handle for the XML element representing a GML Object. Its use is mandatory. An association named membership connects InclusionTypeType to another class membershipType. A note below the association states: "Association class specifying the relationship between the subset of vessels described by an APPLIC data object and...".</p>									
Type	InclusionTypeType									
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1			
content:	complex									
minOccurs:	1									
maxOccurs:	1									
Model	membership									
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">QName</th><th style="text-align: left; padding: 2px;">Type</th><th style="text-align: left; padding: 2px;">Use</th></tr> </thead> <tbody> <tr> <td style="padding: 2px;">gmt:id</td><td style="padding: 2px;">ID</td><td style="padding: 2px;">optional</td></tr> <tr> <td colspan="3" style="text-align: center; padding: 2px;">The attribute <code>gmt: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	gmt:id	ID	optional	The attribute <code>gmt: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								
gmt:id	ID	optional								
The attribute <code>gmt:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.										

Element AuthorityType / categoryOfAuthority

Namespace	http://www.ihc.int/S131/2.0								
Annotations	Is nullable								
Diagram	<p>The diagram shows the UML class Authority_categoryOfAuthorityType (extension base). It has an attribute code (Authority_categoryOfAuthorityCode type) and another attribute nillReason (gml:NillReasonEnumeration type). A note indicates "Restricted values of categoryOfAuthority in Authority". An extension categoryOfAuthority is shown, which is an Extension of 'Authority_categoryOfAuthorityType'. It is annotated as "Is nullable".</p>								
Type	extension of Authority_categoryOfAuthorityType								
Type hierarchy	<ul style="list-style-type: none"> • xs:string • Authority_categoryOfAuthorityLabel • Authority_categoryOfAuthorityType 								
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;">nillable:</td><td style="padding: 2px;">true</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1	nillable:	true
content:	complex								
minOccurs:	1								
maxOccurs:	1								
nillable:	true								

Attributes	QName	Type	Use	
	code	Authority_categoryOfAuthori-tyCode	required	
	nilReason	gml:NilReasonEnumeration	optional	

Element AuthorityType / textContent

Namespace	http://www.iho.int/S131/2.0						
Diagram	<pre> classDiagram textContent < -- textContentType textContentType "0..> categoryOfText : textContent_categoryOfTextType textContentType "0..> information : informationType textContentType "0..> onlineResource : onlineResourceType textContentType "0..> sourceIndication : 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	<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	categoryOfText{0,1} , information* , onlineResource{0,1} , sourceIndication*						

Element AuthorityType / theContactDetails

Namespace	http://www.iho.int/S131/2.0															
Annotations	ContactDetails[0..*]															
Diagram	<pre> classDiagram theContactDetails < -- gml:ReferenceType gml:ReferenceType "0..> ownershipAttributeGroup : gml:OwnershipAttributeGroup gml:ReferenceType "0..> associationAttributeGroup : gml:AssociationAttributeGroup </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	<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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nilReason	gml:NilReasonType			optional												
owns	boolean		false	optional												

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

Element AuthorityType / organisationRelatedRxN

Namespace	http://www.ihc.int/S131/2.0																																																		
Annotations	AbstractRxN[0..*]																																																		
Diagram	<pre> classDiagram class gml::ReferenceType { <<Attributes>> gml::OwnershipAttributeGroup gml::AssociationAttributeGroup } class organisationRelatedRxN { <<Type>> gml::ReferenceType <<AbstractRxN[0..*]>> } gml::ReferenceType "1" -- "0..1" organisationRelatedRxN </pre>																																																		
Type	gml:ReferenceType																																																		
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Element AuthorityType / theServiceHours

Namespace	http://www.ihc.int/S131/2.0
Annotations	ServiceHours[0..*]

Diagram	<p>The diagram shows the schema element <code>gml:ReferenceType</code>. It has attributes <code>gml:OwnershipAttributeGroup</code> and <code>gml:AssociationAttributeGroup</code>. A note states: "Encoding a GML property inline vs. by-reference shall not imply anything about the 'ownership' of the contained or..." Another note states: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group....". A callout box at the bottom right says: "gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a...".</p>																																																		
Type	<code>gml:ReferenceType</code>																																																		
Properties	<table 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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<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional																																															

Element AvailablePortServicesType / firefightingService

Namespace	http://www.ihc.int/S131/2.0				
Diagram	<p>The diagram shows the schema element <code>AvailablePortServices_type / AvailablePortServices_firefightingService</code>. It has a note: "Custom enum: AvailablePortServices/firefightingService". A callout box at the bottom right says: "Restricted values of firefightingService in AvailablePortServices".</p>				
Type	<code>AvailablePortServices_type / AvailablePortServices_firefightingService</code>				
Type hierarchy	<ul style="list-style-type: none"> • <code>xs:string</code> <ul style="list-style-type: none"> • <code>AvailablePortServices_firefightingServiceLabel</code> • <code>AvailablePortServices_firefightingServiceType</code> 				
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		
Attributes	QName	Type	Use	

Element AvailablePortServicesType / medicalService

Namespace	http://www.ihc.int/S131/2.0															
Diagram	<pre> classDiagram AvailablePortServices_medicalServiceType < -- AvailablePortServices_medicalService ... AvailablePortServices_medicalServiceType < -- AvailablePortServices_medicalServiceLabel AvailablePortServices_medicalServiceLabel < -- Custom enum: AvailablePortServices/medicalService AvailablePortServices_medicalServiceType < -- @ Attributes AvailablePortServices_medicalServiceType < -- @ code AvailablePortServices_medicalServiceCode < -- Type: AvailablePortServices_medicalServiceCode Note: Restricted values of medicalService in AvailablePortServices </pre>															
Type	AvailablePortServices_medicalServiceType															
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • AvailablePortServices_medicalServiceLabel • AvailablePortServices_medicalServiceType 															
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> <td></td> <td></td> </tr> <tr> <td>minOccurs:</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> <td></td> <td></td> </tr> </table>				content:	complex			minOccurs:	0			maxOccurs:	unbounded		
content:	complex															
minOccurs:	0															
maxOccurs:	unbounded															
Attributes	QName	Type	Use													
	code	AvailablePortServices_medicalServiceCode	required													

Element AvailablePortServicesType / repairService

Namespace	http://www.ihc.int/S131/2.0															
Diagram	<pre> classDiagram AvailablePortServices_repairServiceType < -- AvailablePortServices_repairServiceLabel AvailablePortServices_repairServiceLabel < -- Custom enum: AvailablePortServices/repairService AvailablePortServices_repairServiceType < -- @ Attributes AvailablePortServices_repairServiceType < -- @ code AvailablePortServices_repairServiceCode < -- Type: AvailablePortServices_repairServiceCode Note: Restricted values of repairService in AvailablePortServices </pre>															
Type	AvailablePortServices_repairServiceType															
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • AvailablePortServices_repairServiceLabel • AvailablePortServices_repairServiceType 															
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> <td></td> <td></td> </tr> <tr> <td>minOccurs:</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> <td></td> <td></td> </tr> </table>				content:	complex			minOccurs:	0			maxOccurs:	unbounded		
content:	complex															
minOccurs:	0															
maxOccurs:	unbounded															

Attributes	QName	Type	Use
	code	AvailablePortServices_repairServiceCode	required

Element AvailablePortServicesType / technicalPortService

Namespace	http://www.oho.int/S131/2.0		
Diagram	<pre> classDiagram AvailablePortServices_technicalPortServiceType < -- AvailablePortServices_technicalPortServiceLabel AvailablePortServices_technicalPortServiceLabel { @ code } note over AvailablePortServices_technicalPortServiceLabel, AvailablePortServices_technicalPortServiceType: Restricted values of technicalPortService in AvailablePortServices </pre>		
Type	AvailablePortServices_technicalPortServiceType		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • AvailablePortServices_technicalPortServiceLabel • AvailablePortServices_technicalPortServiceType 		
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>		
Attributes	QName	Type	Use
	code	AvailablePortServices_technicalPortServiceCode	required

Element AvailablePortServicesType / shipSanitationControl

Namespace	http://www.oho.int/S131/2.0		
Diagram	<pre> classDiagram AvailablePortServices_shipSanitationControlType < -- AvailablePortServices_shipSanitationControlLabel AvailablePortServices_shipSanitationControlLabel { @ code } note over AvailablePortServices_shipSanitationControlLabel, AvailablePortServices_shipSanitationControlType: Restricted values of shipSanitationControl in AvailablePortServices </pre>		
Type	AvailablePortServices_shipSanitationControlType		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • AvailablePortServices_shipSanitationControlLabel • AvailablePortServices_shipSanitationControlType 		
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>		

Attributes	QName	Type	Use
	code	AvailablePortServices_shipSanitationControlCode	required

Element AvailablePortServicesType / transportConnection

Namespace	http://www.ihc.int/S131/2.0		
Diagram	<p>AvailablePortServices_transportConnectionType Base Type AvailablePortServices_transportConnectionLabel_Union</p> <p>transportConnectionLabel_Union</p> <p>Union type for labels corresponding to extra codelist values.</p> <p>Attributes</p> <p>@ code</p> <p>Type AvailablePortServices_transportConnectionCode</p> <p>Restricted values of transportConnection in AvailablePortServices</p>		
Type	AvailablePortServices_transportConnectionType		
Type hierarchy	<ul style="list-style-type: none"> xs:anySimpleType <ul style="list-style-type: none"> transportConnectionLabel_Union AvailablePortServices_transportConnectionType 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	unbounded	
Attributes	QName	Type	Use
	code	AvailablePortServices_transportConnectionCode	optional

Element AvailablePortServicesType / berthingAssistance

Namespace	http://www.ihc.int/S131/2.0		
Diagram	<p>AvailablePortServices_berthingAssistanceType Base Type AvailablePortServices_berthingAssistanceLabel</p> <p>AvailablePortServices_berthingAssistanceLabel</p> <p>Custom enum: AvailablePortServices/berthingAssistance</p> <p>Attributes</p> <p>@ code</p> <p>Type AvailablePortServices_berthingAssistanceCode</p> <p>Restricted values of berthingAssistance in AvailablePortServices</p>		
Type	AvailablePortServices_berthingAssistanceType		
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> AvailablePortServices_berthingAssistanceLabel AvailablePortServices_berthingAssistanceType 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	unbounded	

Attributes	QName	Type	Use
	code	AvailablePortServices_berthingAssistanceCode	required

Element AvailablePortServicesType / cargoService

Namespace	http://www.ihc.int/S131/2.0		
Diagram			
Type	AvailablePortServices_cargoServiceType		
Type hierarchy	<ul style="list-style-type: none"> • xs:string • AvailablePortServices_cargoServiceLabel • AvailablePortServices_cargoServiceType 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	unbounded	
Attributes	QName	Type	Use
	code	AvailablePortServices_carGoServiceCode	required

Element AvailablePortServicesType / securitySafetyEmergencyService

Namespace	http://www.ihc.int/S131/2.0		
Diagram			
Type	AvailablePortServices_securitySafetyEmergencyServiceType		
Type hierarchy	<ul style="list-style-type: none"> • xs:anySimpleType • securitySafetyEmergencyServiceLabel_Union • AvailablePortServices_securitySafetyEmergencyServiceType 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	unbounded	

Attributes	QName	Type	Use
	code	AvailablePortServices_securitySafetyEmergencyServiceCode	optional

Element AvailablePortServicesType / wasteDisposalService

Namespace	http://www.ihc.int/S131/2.0		
Diagram			
Type	AvailablePortServices_wasteDisposalServiceType		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • AvailablePortServices_wasteDisposalServiceLabel • AvailablePortServices_wasteDisposalServiceType 		
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>		
Attributes	QName	Type	Use
	code	AvailablePortServices_wasteDisposalServiceCode	required

Element AvailablePortServicesType / supplyService

Namespace	http://www.ihc.int/S131/2.0		
Diagram			
Type	AvailablePortServices_supplyServiceType		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • AvailablePortServices_supplyServiceLabel • AvailablePortServices_supplyServiceType 		
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>		

Attributes	QName	Type	Use
	code	AvailablePortServices_supplyServiceCode	required

Element AvailablePortServicesType / tugInformation

Namespace	http://www.oho.int/S131/2.0						
Diagram	<pre> classDiagram class tugInformation { <<Type: tugInformationType>> } class tugInformationType { <<Textual description of the types and capacities of available tugs.>> } tugInformation "1" -- "0..1" tugInformationType </pre>						
Type	tugInformationType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element AvailablePortServicesType / textContent

Namespace	http://www.oho.int/S131/2.0						
Diagram	<pre> classDiagram class textContent { <<Type: textContentType>> } class textContentType { <<Textual material, or a pointer to a resource providing textual material. May be accompanied by basic information about...>> categoryOfText information onlineResource sourceIndication } textContent "1" -- "0..1" textContentType </pre>						
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>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	categoryOfText{0,1} , information* , onlineResource{0,1} , sourceIndication*						

Element ContactDetailsType / callName

Namespace	http://www.oho.int/S131/2.0						
Diagram	<pre> classDiagram class callName { <<Type: callNameType>> } class callNameType { <<The designated call name of a station; for example, radio station, radar station, pilot.>> } callName "1" -- "0..1" callNameType </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						

Element ContactDetailsType / callSign

Namespace	http://www.oho.int/S131/2.0
Diagram	<pre> classDiagram class callSign { <<Type: callSignType>> } class callSignType { <<The designated call-sign of a station (radio station, radar station, pilot, ...).>> } callSign "1" -- "0..1" callSignType </pre>

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

Element ContactDetailsType / categoryOfCommunicationPreference

Namespace	http://www.oho.int/S131/2.0						
Diagram	<p>The diagram illustrates the structure of the <code>ContactDetails_categoryOfCommunicationPreferenceType</code> element. It shows the base type <code>ContactDetails_categoryOfCommunicationPreferenceType</code> with its attributes: <code>ContactDetails_categoryOfCommunicationPreferenceLabel</code> (a custom enum) and <code>code</code> (a string). A note at the bottom indicates that the <code>categoryOfCommunicationPreference</code> element has restricted values in <code>ContactDetails</code>.</p>						
Type	ContactDetails_categoryOfCommunicationPreferenceType						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> ContactDetails_categoryOfCommunicationPreferenceLabel ContactDetails_categoryOfCommunicationPreferenceType 						
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>ContactDetails_categoryOfCommunicationPreferenceCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	ContactDetails_categoryOfCommunicationPreferenceCode	required
QName	Type	Use					
code	ContactDetails_categoryOfCommunicationPreferenceCode	required					

Element ContactDetailsType / communicationChannel

Namespace	http://www.oho.int/S131/2.0
Diagram	<p>The diagram illustrates the structure of the <code>communicationChannelType</code> element. It shows the base type <code>communicationChannelType</code> with a note explaining that it represents a channel number assigned to a specific radio frequency, frequencies or frequency band.</p>
Type	communicationChannelType
Properties	content: simple minOccurs: 0 maxOccurs: unbounded

Element ContactDetailsType / contactInstructions

Namespace	http://www.oho.int/S131/2.0
Diagram	<p>The diagram illustrates the structure of the <code>contactInstructionsType</code> element. It shows the base type <code>contactInstructionsType</code> with a note explaining that it represents instructions provided on how to contact a particular person, organisation or service.</p>
Type	contactInstructionsType
Properties	content: simple

minOccurs:	0
maxOccurs:	1

Element ContactDetailsType / language

Namespace	http://www.oho.int/S131/2.0
Diagram	
Type	languageType
Properties	content: simple minOccurs: 0 maxOccurs: unbounded

Element ContactDetailsType / mMSICode

Namespace	http://www.oho.int/S131/2.0
Diagram	
Type	mMSICodeType
Properties	content: simple minOccurs: 0 maxOccurs: 1

Element ContactDetailsType / contactAddress

Namespace	http://www.oho.int/S131/2.0
Diagram	
Type	contactAddressType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	deliveryPoint*, cityName{0,1}, administrativeDivision{0,1}, countryName{0,1}, postalCode{0,1}

Element ContactDetailsType / frequencyPair

Namespace	http://www.oho.int/S131/2.0
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Diagram	<pre> classDiagram class frequencyPair { attribute frequencyShoreStationReceives : frequencyShoreStationReceivesType attribute frequencyShoreStationTransmits : frequencyShoreStationTransmitsType } frequencyShoreStationReceives < -- frequencyShoreStationTransmits frequencyShoreStationReceives < -- Extension of 'frequencyShoreStationTransmitsType' frequencyShoreStationReceives < -- Is nullable </pre>						
Type	frequencyPairType						
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	frequencyShoreStationReceives{0,1} , frequencyShoreStationTransmits						

Element ContactDetailsType / information

Namespace	http://www.ihc.int/S131/2.0						
Diagram	<pre> classDiagram class information { attribute fileLocator : fileLocatorType attribute fileReference : fileReferenceType attribute headline : headlineType attribute language : languageType attribute text : textType } headline < -- headlineType </pre>						
Type	informationType						
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	fileLocator{0,1} , fileReference{0,1} , headline* , language{0,1} , text{0,1}						

Element ContactDetailsType / onlineResource

Namespace	http://www.ihc.int/S131/2.0
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Diagram	<pre> classDiagram class onlineResource { <<onlineResource>> Type onlineResourceType } class onlineResourceType { <<onlineResourceType>> linkage protocol applicationProfile nameOfResource onlineResourceDescription onlineFunction protocolRequest } onlineResource < -- onlineResourceType onlineResourceType < -- linkage onlineResourceType < -- protocol onlineResourceType < -- applicationProfile onlineResourceType < -- nameOfResource onlineResourceType < -- onlineResourceDescription onlineResourceType < -- onlineFunction onlineResourceType < -- protocolRequest </pre> <p>Information about online sources from which a resource or data can be obtained.</p>						
Type	onlineResourceType						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	linkage , protocol{0,1} , applicationProfile{0,1} , nameOfResource{0,1} , onlineResourceDescription{0,1} , onlineFunction{0,1} , protocolRequest{0,1}						

Element ContactDetailsType / telecommunications

Namespace	http://www.ihc.int/S131/2.0						
Diagram	<pre> classDiagram class telecommunications { <<telecommunications>> Type telecommunicationsType } class telecommunicationsType { <<telecommunicationsType>> categoryOfCommunicationPreference telecommunicationIdentifier telecommunicationCarrier contactInstructions telecommunicationService } telecommunications < -- telecommunicationsType telecommunicationsType < -- categoryOfCommunicationPreference telecommunicationsType < -- telecommunicationIdentifier telecommunicationsType < -- telecommunicationCarrier telecommunicationsType < -- contactInstructions telecommunicationsType < -- 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" 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	categoryOfCommunicationPreference{0,1} , telecommunicationIdentifier , telecommunicationCarrier{0,1} , contactInstructions{0,1} , telecommunicationService*						

Element ContactDetailsType / theAuthority

Namespace	http://www.ihc.int/S131/2.0																																																						
Annotations	Authority[0..*]																																																						
Diagram	<pre> classDiagram class theAuthority { <<Type gml:ReferenceType>> Authority[0..*] } class gmlReferenceType { <<Attributes>> gml:OwnershipAttributeGroup gml:AssociationAttributeGroup } theAuthority "0..1" --> gmlReferenceType gmlReferenceType "*" --> OwnershipAttributeGroup gmlReferenceType "*" --> AssociationAttributeGroup </pre> <p>The diagram shows the <code>theAuthority</code> element as a reference type (<code>gml:ReferenceType</code>). It has two associations: one to <code>gml:OwnershipAttributeGroup</code> and another to <code>gml:AssociationAttributeGroup</code>. A note states: "Encoding a GML property inline vs. by-reference shall not imply anything about the 'ownership' of the contained or..." Another note says: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group..." A third note at the bottom right says: "gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a..."</p>																																																						
Type	<code>gml:ReferenceType</code>																																																						
Properties	<table 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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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
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<code>xlink:arcrole</code>	<code>xlink:arcroleType</code>			optional																																																			
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Element EntranceType / entranceDescription

Namespace	http://www.ihc.int/S131/2.0										
Diagram	<pre> classDiagram class entranceDescription { <<Type entranceDescriptionType>> } class entranceDescriptionType { <<Description of the seaward end of a channel, harbour, dock, etc.>> } entranceDescription "*" --> entranceDescriptionType </pre> <p>The diagram shows the <code>entranceDescription</code> element as an <code>entranceDescriptionType</code>. A note states: "Description of the seaward end of a channel, harbour, dock, etc."</p>										
Type	<code>entranceDescriptionType</code>										
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>					content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple										
minOccurs:	0										
maxOccurs:	1										

Element EntranceType / associatedFeatureName

Namespace	http://www.ihc.int/S131/2.0				
Diagram	<pre> classDiagram class associatedFeatureName { <<Type associatedFeatureNameType>> } class associatedFeatureNameType { <<The name of an associated feature.>> } associatedFeatureName "*" --> associatedFeatureNameType </pre> <p>The diagram shows the <code>associatedFeatureName</code> element as an <code>associatedFeatureNameType</code>. A note states: "The name of an associated feature."</p>				

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

Element EntranceType / localKnowledgeDescription

Namespace	http://www.ih0.int/S131/2.0
Diagram	
Type	localKnowledgeDescriptionType
Properties	content: simple minOccurs: 0 maxOccurs: 1

Element EntranceType / approachDescription

Namespace	http://www.ih0.int/S131/2.0
Diagram	
Type	approachDescriptionType
Properties	content: simple minOccurs: 0 maxOccurs: 1

Element EntranceType / markedBy

Namespace	http://www.ih0.int/S131/2.0
Diagram	
Type	markedByType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	textContent+

Element EntranceType / landmarkDescription

Namespace	http://www.ih0.int/S131/2.0
Diagram	
Type	landmarkDescriptionType

Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	textContent+

Element EntranceType / offshoreMarkDescription

Namespace	http://www.ihc.int/S131/2.0
Diagram	<pre> classDiagram class offshoreMarkDescription { <<offshoreMarkDescriptionType>> } class offshoreMarkDescriptionType { <<offshoreMarkDescription>> } class textContent { <<textContentType>> } offshoreMarkDescription "1..>"--> "1..>" textContent </pre> <p>Description of aids to navigation or prominent marks located away from the shore.</p>
Type	offshoreMarkDescriptionType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	textContent+

Element EntranceType / majorLightDescription

Namespace	http://www.ihc.int/S131/2.0
Diagram	<pre> classDiagram class majorLightDescription { <<majorLightDescriptionType>> } class majorLightDescriptionType { <<majorLightDescription>> } class textContent { <<textContentType>> } majorLightDescription "1..>"--> "1..>" textContent </pre> <p>A description of navigationally significant lights essential for marking landfalls, offshore dangers, shipping routes,...</p>
Type	majorLightDescriptionType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	textContent+

Element EntranceType / usefulMarkDescription

Namespace	http://www.ihc.int/S131/2.0
Diagram	<pre> classDiagram class usefulMarkDescription { <<usefulMarkDescriptionType>> } class usefulMarkDescriptionType { <<usefulMarkDescription>> } class textContent { <<textContentType>> } usefulMarkDescription "1..>"--> "1..>" textContent </pre> <p>Description of Aids to Navigation or prominent marks which are usually clearly visible and identifiable enough to be...</p>
Type	usefulMarkDescriptionType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	textContent+

Element EntranceType / textContent

Namespace	http://www.ihc.int/S131/2.0
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Diagram	<pre> classDiagram textContentType < -- textContent textContentType "0..∞" --> categoryOfText : Type textContent_categoryOfTextType textContentType "0..∞" --> information : Type informationType textContentType "0..∞" --> onlineResource : Type onlineResourceType textContentType "0..∞" --> 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	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	categoryOfText{0,1} , information* , onlineResource{0,1} , sourceIndication*						

Element NonStandardWorkingDayType / dateFixed

Namespace	http://www.aho.int/S131/2.0						
Diagram	<pre> classDiagram dateFixedType < -- S100_S100_TrimmedDate S100_S100_TrimmedDate < -- S100_S100_TrimmedDate (extension base) S100_S100_TrimmedDate "0..∞" --> gDay : Type gDayType S100_S100_TrimmedDate "0..∞" --> gMonth : Type gMonthType S100_S100_TrimmedDate "0..∞" --> gYear : Type gYearType S100_S100_TrimmedDate "0..∞" --> gMonthDay : Type gMonthDayType S100_S100_TrimmedDate "0..∞" --> gYearMonth : Type gYearMonthType S100_S100_TrimmedDate "0..∞" --> date : Type dateType </pre> <p>built in date types from W3C XML schema, implementing S-100 truncated date</p> <p>The date of an event.</p>						
Type	dateFixedType						
Type hierarchy	<ul style="list-style-type: none"> • S100_TrimmedDate • dateFixedType 						
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	gDay gMonth gYear gMonthDay gYearMonth date						

Element NonStandardWorkingDayType / dateVariable

Namespace	http://www.aho.int/S131/2.0
Diagram	<pre> classDiagram dateVariable < -- dateVariableType </pre> <p>A day which is not fixed in the Gregorian calendar.</p>
Type	dateVariableType

Properties	content: simple minOccurs: 0 maxOccurs: unbounded
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Element NonStandardWorkingDayType / information

Namespace	http://www.oho.int/S131/2.0
Diagram	
Type	informationType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	fileLocator{0,1} , fileReference{0,1} , headline* , language{0,1} , text{0,1}

Element ServiceHoursType / scheduleByDayOfWeek

Namespace	http://www.oho.int/S131/2.0
Diagram	
Type	scheduleByDayOfWeekType
Properties	content: complex minOccurs: 1 maxOccurs: unbounded
Model	categoryOfSchedule{0,1} , text{0,1} , timeIntervalsByDayOfWeek+

Element ServiceHoursType / information

Namespace	http://www.oho.int/S131/2.0
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Diagram	<pre> classDiagram class information { <<information>> <<Type informationType>> } class fileLocator { <<fileLocator>> <<Type fileLocatorType>> } class fileReference { <<fileReference>> <<Type fileReferenceType>> } class headline { <<headline>> <<0..>> <<Type headlineType>> } class language { <<language>> <<Type languageType>> } class text { <<text>> <<Type textType>> } information <--> fileLocator information <--> fileReference information <--> headline information <--> language information <--> text </pre> <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 border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	fileLocator{0,1} , fileReference{0,1} , headline* , language{0,1} , text{0,1}						

Element ServiceHoursType / partialWorkingDay

Namespace	http://www.ihc.int/S131/2.0																																												
Annotations	NonStandardWorkingDay[0..*]																																												
Diagram	<pre> classDiagram class partialWorkingDay { <<partialWorkingDay>> <<Type gml:ReferenceType>> <<NonStandardWorkingDay[0..*]>> } class gmlOwnershipAttributeGroup class gmlAssociationAttributeGroup partialWorkingDay <--> gmlOwnershipAttributeGroup partialWorkingDay <--> gmlAssociationAttributeGroup </pre> <p>gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a...</p>																																												
Type	gml:ReferenceType																																												
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>					content:	complex	minOccurs:	0	maxOccurs:	unbounded																																		
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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;">Fixed</th><th style="text-align: left; padding: 2px;">Default</th><th style="text-align: left; padding: 2px;">Use</th></tr> </thead> <tbody> <tr> <td style="padding: 2px;">nilReason</td><td style="padding: 2px;">gml:NilReasonType</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">owns</td><td style="padding: 2px;">boolean</td><td style="padding: 2px;"></td><td style="padding: 2px;">false</td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">xlink:actuate</td><td style="padding: 2px;">xlink:actuateType</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">xlink:arcrole</td><td style="padding: 2px;">xlink:arcroleType</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">xlink:href</td><td style="padding: 2px;">xlink:hrefType</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">xlink:role</td><td style="padding: 2px;">xlink:roleType</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">xlink:show</td><td style="padding: 2px;">xlink:showType</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">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:role	xlink:roleType			optional																																									
xlink:show	xlink:showType			optional																																									

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

Element serviceHoursType / theAuthority_srvHrs

Namespace	http://www.ih0.int/S131/2.0																																																		
Annotations	Authority[0..*]																																																		
Diagram																																																			
Type	gml:ReferenceType																																																		
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded																																												
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xlink:type	xlink:typeType	simple		optional																																															

Element SpatialQualityType / qualityOfHorizontalMeasurement

Namespace	http://www.ih0.int/S131/2.0
Diagram	

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

Element **SpatialQualityType / spatialAccuracy**

Namespace	http://www.ihodata.org/S131/2.0
Diagram	<pre> classDiagram class spatialAccuracyType { fixedDateRange : fixedDateRangeType horizontalPositionUncertainty : horizontalPositionUncertaintyType verticalUncertainty : verticalUncertaintyType } spatialAccuracyType < -- spatialAccuracy spatialAccuracy < -- spatialAccuracyType </pre> <p>The diagram shows a class named <code>spatialAccuracyType</code> which contains three attributes: <code>fixedDateRange</code> (Type: <code>fixedDateRangeType</code>), <code>horizontalPositionUncertainty</code> (Type: <code>horizontalPositionUncertaintyType</code>), and <code>verticalUncertainty</code> (Type: <code>verticalUncertaintyType</code>). A note below the class states: "Provides an indication of the vertical and horizontal positional uncertainty of bathymetric data, optionally within a...".</p>
Type	spatialAccuracyType
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>
Model	fixedDateRange{0,1} , horizontalPositionUncertainty{0,1} , verticalUncertainty{0,1}

Element **FeatureType / locationMRN**

Namespace	http://www.ihodata.org/S131/2.0
Diagram	<pre> classDiagram class locationMRN { <<locationMRN>> } locationMRN < -- locationMRNType </pre> <p>The diagram shows a class named <code>locationMRN</code> which contains a single attribute <code>locationMRNType</code>. A note below the class states: "Location identifier, based on MRN. This can be either a specific identifier for an identified physical location or a...".</p>
Type	locationMRNType
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>

Element **FeatureType / globalLocationNumber**

Namespace	http://www.ihodata.org/S131/2.0
Diagram	<pre> classDiagram class globalLocationNumber { <<globalLocationNumber>> } globalLocationNumber < -- globalLocationNumberType </pre> <p>The diagram shows a class named <code>globalLocationNumber</code> which contains a single attribute <code>globalLocationNumberType</code>. A note below the class states: "A globally unique, standardised identifier for parties and locations in business processes or supply chains."</p>
Type	globalLocationNumberType
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>

Element FeatureType / interoperabilityIdentifier

Namespace	http://www.ihc.int/S131/2.0						
Diagram							
Type	interoperabilityIdentifierType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	unbounded
content:	simple						
minOccurs:	0						
maxOccurs:	unbounded						

Element FeatureType / featureName

Namespace	http://www.ihc.int/S131/2.0						
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}						

Element FeatureType / fixedDateRange

Namespace	http://www.ihc.int/S131/2.0						
Diagram							
Type	fixedDateRangeType						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	dateStart{0,1} , dateEnd{0,1}						

Element FeatureType / periodicDateRange

Namespace	http://www.ihc.int/S131/2.0
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Diagram	<pre> classDiagram class periodicDateRange { <<periodicDateRange>> <<Type periodicDateRangeType>> } class periodicDateRangeType { <<periodicDateRangeType>> dateStart : dateType dateEnd : dateType } periodicDateRange "0..*" --> periodicDateRangeType dateStart "Not nullable" dateEnd "Not nullable" note over periodicDateRangeType: The active period of a recurring event or occurrence </pre>						
Type	periodicDateRangeType						
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	dateStart , dateEnd						

Element FeatureType / rxNCode

Namespace	http://www.oho.int/S131/2.0						
Diagram	<pre> classDiagram class rxNCode { <<rxNCode>> <<Type rxNCodeType>> } class rxNCodeType { <<rxNCodeType>> categoryOfRxN : rxNCode_categoryOfRxNType actionOrActivity : rxNCode_actionOrActivityType headline : headlineType } rxNCode "0..*" --> rxNCodeType categoryOfRxN "{0,1}" actionOrActivity "{0,1}" headline "*" note over rxNCodeType: A summary of the impact of the most common types of regulation, restriction, recommendation and nautical information on... </pre>						
Type	rxNCodeType						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	categoryOfRxN{0,1} , actionOrActivity{0,1} , headline*						

Element FeatureType / graphic

Namespace	http://www.oho.int/S131/2.0
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Diagram	<pre> classDiagram class graphic { <<graphic>> Type: graphicType } class graphicType { <<pictorial representation such as a photograph, sketch or other graphic, optionally accompanied by descriptive information...>> pictorialRepresentation <--> 1..oo pictorialRepresentationType pictureCaption <--> pictureCaptionType sourceDate <--> sourceDateType pictureInformation <--> pictureInformationType bearingInformation <--> bearingInformationType } </pre>						
Type	graphicType						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	pictorialRepresentation+, pictureCaption{0,1}, sourceDate{0,1}, pictureInformation{0,1}, bearingInformation{0,1}						

Element FeatureType / sourceIndication

Namespace	http://www.ihc.int/S131/2.0						
Diagram	<pre> classDiagram class sourceIndication { <<sourceIndication>> Type: sourceIndicationType } class sourceIndicationType { <<Information about the source document, publication, or reference from which object data or textual material included or...>> categoryOfAuthority <--> sourceIndication_categoryOfAuthorityType countryName <--> countryNameType source <--> sourceType sourceType <--> sourceIndication_sourceTypeType reportedDate <--> reportedDateType featureName <--> 0..oo featureNameType } </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*						

Element FeatureType / textContent

Namespace	http://www.ihc.int/S131/2.0
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Diagram							
Type	textContentType						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	categoryOfText{0,1} , information* , onlineResource{0,1} , sourceIndication*						

Element FeatureType / permission

Namespace	http://www.ihc.int/S131/2.0									
Annotations	Applicability[0..*]									
Diagram										
Type	permissionType									
Type hierarchy	<ul style="list-style-type: none"> • gml:ReferenceType • permissionType 									
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	PermissionType									
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 25%;">QName</th><th style="width: 25%;">Type</th><th style="width: 25%;">Fixed</th><th style="width: 25%;">Default</th></tr> <tr> <td>nilReason</td><td>gml:nilReasonType</td><td></td><td>optional</td></tr> </table>		QName	Type	Fixed	Default	nilReason	gml:nilReasonType		optional
QName	Type	Fixed	Default							
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

Element permissionType / PermissionType

Namespace	http://www.ihc.int/S131/2.0											
Diagram	<pre> classDiagram class PermissionTypeType { <<PermissionType>> <<Type>> <<PermissionTypeType>> attribute @gml:id association categoryOfRelationship } class categoryOfRelationship { <<categoryOfRelationship>> <<Type>> <<categoryOfRelationshipType>> } PermissionTypeType "1" -- "1" categoryOfRelationship </pre>											
Type	PermissionTypeType											
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> <td></td> </tr> <tr> <td>minOccurs:</td> <td>1</td> <td></td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> <td></td> </tr> </table>			content:	complex		minOccurs:	1		maxOccurs:	1	
content:	complex											
minOccurs:	1											
maxOccurs:	1											
Model	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>	QName	Type	Use	gml:id	ID	optional	<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										

Element PermissionTypeType / categoryOfRelationship

Namespace	http://www.ihc.int/S131/2.0		
Diagram	<pre> classDiagram class categoryOfRelationshipType { <<categoryOfRelationshipLabel>> <<Base Type>> <<categoryOfRelationshipType>> attribute @code } class categoryOfRelationshipLabel { <<categoryOfRelationshipLabel>> <<Type>> <<categoryOfRelationshipType>> } categoryOfRelationshipType "1" -- "1" categoryOfRelationshipLabel </pre>		
Type	categoryOfRelationshipType		

Type hierarchy	<ul style="list-style-type: none"> xs:string 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					

Element FeatureTypeType / theRxN

Namespace	http://www.ihc.int/S131/2.0																																																		
Annotations	AbstractRxN[0..*]																																																		
Diagram																																																			
Type	gm:ReferenceType																																																		
Properties	content: complex minOccurs: 0 maxOccurs: unbounded																																																		
Model																																																			
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>nilReason</td> <td>gm: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	gm: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
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xlink:actuate	xlink:actuateType			optional																																															
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xlink:role	xlink:roleType			optional																																															
xlink:show	xlink:showType			optional																																															
xlink:title	xlink:titleAttrType			optional																																															
xlink:type	xlink:typeType	simple		optional																																															

Element FeatureTypeType / theInformation

Namespace	http://www.ihc.int/S131/2.0
Annotations	NauticalInformation[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>. 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...".</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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Element FeatureType / theCartographicText

Namespace	http://www.ihc.int/S131/2.0				
Annotations	<code>TextPlacement[0..1]</code>				
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>. 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...".</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> </table>	content:	complex	minOccurs:	0
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	

Element OrganizationContactAreaType / theContactDetails

Namespace	http://www.iho.int/S131/2.0											
Annotations	ContactDetails[0..*]											
Diagram	<p>The diagram shows the UML class gml:ReferenceType. It has two associations: one to theContactDetails (multiplicity 0..*) and another to gml:OwnershipAttributeGroup. A callout box for gml:OwnershipAttributeGroup contains the note: "Encoding a GML property inline vs. by-reference shall not imply anything about the 'ownership' of the contained or..." A callout box for the association to gml:OwnershipAttributeGroup contains the note: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group....". A callout box for the theContactDetails association contains the note: "gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a...".</p>											
Type	gml:ReferenceType											
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>						content:	complex	minOccurs:	0	maxOccurs:	unbounded
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Attributes	QName	Type	Fixed	Default	Use							
	nilReason	gml:NilReasonType			optional							
	owns	boolean		false	optional							
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	xlink:arcrole	xlink:arcroleType			optional							
	xlink:href	xlink:hrefType			optional							
	xlink:role	xlink:roleType			optional							
	xlink:show	xlink:showType			optional							
	xlink:title	xlink:titleAttrType			optional							
	xlink:type	xlink:typeType	simple		optional							

 | | | | |

Element SupervisedAreaType / controlAuthority

Namespace	http://www.iho.int/S131/2.0					
Annotations	Authority[0..1]					

Diagram	<p>The diagram illustrates the inheritance of attributes from the base type <code>gml:PropertyType</code>. It shows two attribute groups: <code>gml:OwnershipAttributeGroup</code> and <code>gml:AssociationAttributeGroup</code>, each with detailed annotations. A callout points to the <code>controlAuthority</code> element, which is annotated with <code>Authority[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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Element HarbourPhysicalInfrastructureType / infrastructureLocation

Namespace	http://www.ihc.int/S131/2.0				
Annotations	<code>HarbourAreaSection Terminal[0..1]</code>				
Diagram	<p>The diagram illustrates the inheritance of attributes from the base type <code>gml:ReferenceType</code>. It shows two attribute groups: <code>gml:OwnershipAttributeGroup</code> and <code>gml:AssociationAttributeGroup</code>, each with detailed annotations. A callout points to the <code>infrastructureLocation</code> element, which is annotated with <code>HarbourAreaSection Terminal[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> </table>	content:	complex	minOccurs:	0
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	

Element AnchorBerthType / categoryOfAnchorage

Namespace	http://www.ihc.int/S131/2.0											
Diagram	<p>The diagram illustrates the structure of the <code>categoryOfAnchorage</code> element. It features a base type <code>AnchorBerth_categoryOfAnchorageType</code>. This type contains two attributes: <code>AnchorBerth_categoryOfAnchorageLabel</code>, which is a custom enum defined as <code>AnchorBerth/categoryOfAnchorage</code>, and <code>AnchorBerth_categoryOfAnchorageCode</code>, which is a code attribute of type <code>AnchorBerth_categoryOfAnchorageCode</code>. A note at the bottom indicates that this represents the restricted values of <code>categoryOfAnchorage</code> in <code>AnchorBerth</code>.</p>											
Type	<code>AnchorBerth_categoryOfAnchorageType</code>											
Type hierarchy	<ul style="list-style-type: none"> • <code>xs:string</code> • <code>AnchorBerth_categoryOfAnchorageLabel</code> • <code>AnchorBerth_categoryOfAnchorageType</code> 											
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>						content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex											
minOccurs:	0											
maxOccurs:	unbounded											
Attributes	QName	Type	Use									
	code	<code>AnchorBerth_categoryOfAnchorageCode</code>	required									

Element AnchorBerthType / categoryOfCargo

Namespace	http://www.ihc.int/S131/2.0					
Diagram	<p>The diagram illustrates the structure of the <code>categoryOfCargo</code> element. It features a base type <code>AnchorBerth_categoryOfCargoType</code>. This type contains two attributes: <code>AnchorBerth_categoryOfCargoLabel</code>, which is a custom enum defined as <code>AnchorBerth/categoryOfCargo</code>, and <code>AnchorBerth_categoryOfCargoCode</code>, which is a code attribute of type <code>AnchorBerth_categoryOfCargoCode</code>. A note at the bottom indicates that this represents the restricted values of <code>categoryOfCargo</code> in <code>AnchorBerth</code>.</p>					
Type	<code>AnchorBerth_categoryOfCargoType</code>					

Type	AnchorBerth_categoryOfCargoType		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • AnchorBerth_categoryOfCargoLabel • AnchorBerth_categoryOfCargoType 		
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>		
Attributes	QName	Type	Use
	code	AnchorBerth_categoryOfCargoCode	required

Element AnchorBerthType / radius

Namespace	http://www.ihc.int/S131/2.0		
Diagram	<p>The diagram shows a class named 'radius' with a dependency arrow pointing to another class named 'radiusType'. A callout box provides a detailed description of 'radiusType': 'The vector extending from the centre to the periphery of a circular or spherical feature.'</p>		
Type	radiusType		
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>		
Facets	minExclusive 0 . 0		

Element AnchorBerthType / serviceDescriptionReference

Namespace	http://www.ihc.int/S131/2.0		
Annotations	AvailablePortServices[0..1]		
Diagram	<p>The diagram shows a class named 'serviceDescriptionReference' with a dependency arrow pointing to another class named 'gml:ReferenceType'. A callout box provides a detailed description of 'gml:ReferenceType': 'Encoding a GML property inline vs. by-reference shall not imply anything about the "ownership" of the contained or...'. Another callout box describes 'XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,...'. A third callout box states: 'gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a...'. A note at the bottom indicates: 'AvailablePortServices[0..1]'.</p>		
Type	gml:ReferenceType		
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>		
Model			
Attributes	QName	Type	Fixed
	nilReason	gml:NilReasonType	
	owns	boolean	false
			optional
			optional

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

Element AnchorBerthType / facilityOperatingHours

Namespace	http://www.ihc.int/S131/2.0																																																		
Annotations	ServiceHours[0..1]																																																		
Diagram	<pre> classDiagram class facilityOperatingHours { <<Type gml:ReferenceType>> ServiceHours[0..1] } class gml { class ReferenceType { <<Attributes>> class gmlOwnershipAttributeGroup class gmlAssociationAttributeGroup } } facilityOperatingHours --> gml::ReferenceType note over facilityOperatingHours: Encoding a GML property inline vs. by-reference shall not imply anything about the "ownership" of the contained or... note over gmlOwnershipAttributeGroup: XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group... note over gmlAssociationAttributeGroup: 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>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1																																												
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Element AnchorBerthType / auxiliaryFacility

Namespace	http://www.ihc.int/S131/2.0
Annotations	MooringWarpingFacility[0..*]

Diagram																																																													
Type	gml:ReferenceType																																																												
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded																																																						
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xlink:show	xlink:showType				optional																																																								
xlink:title	xlink:titleAttrType				optional																																																								
xlink:type	xlink:typeType	simple			optional																																																								

Element AnchorBerthType / geometry

Namespace	http://www.ihc.int/S131/2.0				
Diagram					
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	maxOccurs:	unbounded
content:	complex				
maxOccurs:	unbounded				
Model	pointProperty surfaceProperty				

Element AnchorageAreaType / categoryOfAnchorage

Namespace	http://www.ihc.int/S131/2.0
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Diagram							
Type	AnchorageArea_categoryOfAnchorageType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • AnchorageArea_categoryOfAnchorageLabel <ul style="list-style-type: none"> • AnchorageArea_categoryOfAnchorageType 						
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>AnchorageArea_categoryOfAnchorageCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	AnchorageArea_categoryOfAnchorageCode	required
QName	Type	Use					
code	AnchorageArea_categoryOfAnchorageCode	required					

Element AnchorageAreaType / iSPSLevel

Namespace	http://www.ihc.int/S131/2.0						
Diagram							
Type	AnchorageArea_iSPSLevelType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • AnchorageArea_iSPSLevelLabel <ul style="list-style-type: none"> • AnchorageArea_iSPSLevelType 						
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>AnchorageArea_iSPSLevelCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	AnchorageArea_iSPSLevelCode	required
QName	Type	Use					
code	AnchorageArea_iSPSLevelCode	required					

Element AnchorageAreaType / categoryOfCargo

Namespace	http://www.ihc.int/S131/2.0
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Diagram	<pre> classDiagram class AnchorageArea_categoryOfCargoType { <<AnchorageArea>>_categoryOfCargoLabel code : AnchorageArea_categoryOfCargoCode } class AnchorageArea_categoryOfCargoLabel { <<Custom enum: AnchorageArea/categoryOfCargo>> } class AnchorageArea_categoryOfCargoCode { <<Restricted values of categoryOfCargo in AnchorageArea>> } </pre>						
Type	AnchorageArea_categoryOfCargoType						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> AnchorageArea_categoryOfCargoLabel AnchorageArea_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>AnchorageArea_categoryOfCargoCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	AnchorageArea_categoryOfCargoCode	required
QName	Type	Use					
code	AnchorageArea_categoryOfCargoCode	required					

Element AnchorageAreaType / locationByText

Namespace	http://www.ihoint/S131/2.0						
Diagram	<pre> classDiagram class locationByTextType { <<A textual rendering of a geographic location.>> } </pre>						
Type	locationByTextType						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element AnchorageAreaType / depthsDescription

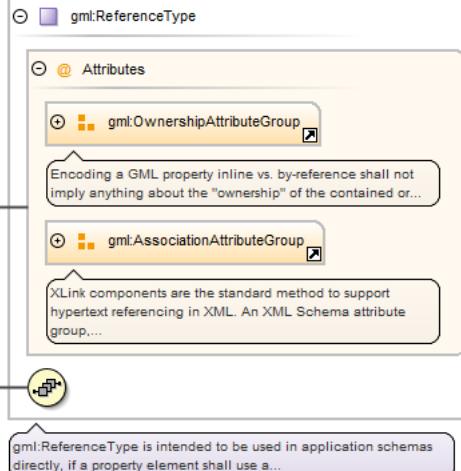
Namespace	http://www.ihoint/S131/2.0						
Diagram	<pre> classDiagram class depthsDescriptionType { <<Textual description of the characteristics and notable matters pertaining to depths in an area.>> } class depthsDescription { <<Extension of 'depthsDescription_categoryOfDepthsDescriptionType'>> <<Is nullable>> <<1..>> textContent : textContentType } </pre>						
Type	depthsDescriptionType						
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	categoryOfDepthsDescription , textContent+						

Element AnchorageAreaType / markedBy

Namespace	http://www.ihoint/S131/2.0
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Diagram							
Type	markedByType						
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	textContent+						

Element AnchorageAreaType / facilityOperatingHours

Namespace	http://www.ih0.int/S131/2.0																																																		
Annotations	ServiceHours[0..1]																																																		
Diagram																																																			
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>1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1																																												
content:	complex																																																		
minOccurs:	0																																																		
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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																																															
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xlink:title	xlink:titleAttrType			optional																																															
xlink:type	xlink:typeType	simple		optional																																															

Element AnchorageAreaType / componentOf

Namespace	http://www.ih0.int/S131/2.0
Annotations	HarbourAreaSection[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
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xlink:title	xlink:titleAttrType			optional																																															
xlink:type	xlink:typeType	simple		optional																																															

Element AnchorageAreaType / geometry

Namespace	http://www.ihc.int/S131/2.0				
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 surfaceProperty				

Element AutomatedGuidedVehicleType / facilityOperatingHours

Namespace	http://www.ihc.int/S131/2.0
Annotations	ServiceHours[0..1]

Diagram																																																													
Type	gml:ReferenceType																																																												
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1																																																						
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maxOccurs:	1																																																												
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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;">Fixed</th><th style="text-align: left; padding: 2px;">Default</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;">nilReason</td><td style="padding: 2px;">gml:nilReasonType</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">owns</td><td style="padding: 2px;">boolean</td><td style="padding: 2px;"></td><td style="padding: 2px;">false</td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">xlink:actuate</td><td style="padding: 2px;">xlink:actuateType</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">xlink:arcrole</td><td style="padding: 2px;">xlink:arcroleType</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">xlink:href</td><td style="padding: 2px;">xlink:hrefType</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">xlink:role</td><td style="padding: 2px;">xlink:roleType</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">xlink:show</td><td style="padding: 2px;">xlink:showType</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">xlink:title</td><td style="padding: 2px;">xlink:titleAttrType</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">xlink:type</td><td style="padding: 2px;">xlink:typeType</td><td style="padding: 2px;">simple</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">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
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xlink:show	xlink:showType				optional																																																								
xlink:title	xlink:titleAttrType				optional																																																								
xlink:type	xlink:typeType	simple			optional																																																								

Element AutomatedGuidedVehicleType / geometry

Namespace	http://www.ihc.int/S131/2.0				
Diagram					
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	maxOccurs:	unbounded
content:	complex				
maxOccurs:	unbounded				
Model	pointProperty curveProperty surfaceProperty				

Element BerthType / availableBerthingLength

Namespace	http://www.ihc.int/S131/2.0						
Diagram							
Type	availableBerthingLengthType						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">simple</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Facets	maxInclusive	10000.0
	minInclusive	0.0

Element BerthType / bollardDescription

Namespace	http://www.ihoint/S131/2.0	
Diagram		
Type	bollardDescriptionType	
Properties	content: simple minOccurs: 0 maxOccurs: 1	
Facets		

Element BerthType / safeWorkingLoad

Namespace	http://www.ihoint/S131/2.0	
Diagram		
Type	safeWorkingLoadType	
Properties	content: simple minOccurs: 0 maxOccurs: 1	
Facets	minExclusive	0 . 0

Element BerthType / minimumBerthDepth

Namespace	http://www.ihoint/S131/2.0	
Diagram		
Type	minimumBerthDepthType	
Properties	content: simple minOccurs: 0 maxOccurs: 1	
Facets	minExclusive	0 . 00

Element BerthType / elevation

Namespace	http://www.ihoint/S131/2.0	
Diagram		
Type	elevationType	
Properties	content: simple minOccurs: 0 maxOccurs: 1	
Facets	maxInclusive	8850 . 0
	minInclusive	0 . 0

Element BerthType / cathodicProtectionSystem

Namespace	http://www.oho.int/S131/2.0						
Diagram	<p>The diagram shows a UML class structure. A blue rounded rectangle labeled "cathodicProtectionSystem" contains the word "Type". An arrow points from this to a purple rounded rectangle labeled "cathodicProtectionSystemType". Another arrow points from "cathodicProtectionSystemType" to a callout box containing the text: "A system used to protect metal structures against corrosion by supplying direct current to the immersed external...".</p>						
Type	cathodicProtectionSystemType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element BerthType / categoryOfBerthLocation

Namespace	http://www.oho.int/S131/2.0						
Diagram	<p>The diagram shows a UML class structure. A blue rounded rectangle labeled "categoryOfBerthLocation" contains the word "Type". An arrow points from this to a purple rounded rectangle labeled "categoryOfBerthLocationType". This type is described as a "Custom enum: Berth/categoryOfBerthLocation". It has two attributes: "code" (Type: Berth_categoryOfBerthLocationCode) and "categoryOfBerthLocationLabel" (Type: Berth_categoryOfBerthLocationLabel). A callout box at the bottom states: "Restricted values of categoryOfBerthLocation in Berth".</p>						
Type	Berth_categoryOfBerthLocationType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • Berth_categoryOfBerthLocationLabel • Berth_categoryOfBerthLocationType 						
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>Berth_categoryOfBerthLocationCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	Berth_categoryOfBerthLocationCode	required
QName	Type	Use					
code	Berth_categoryOfBerthLocationCode	required					

Element BerthType / portFacilityNumber

Namespace	http://www.oho.int/S131/2.0						
Diagram	<p>The diagram shows a UML class structure. A blue rounded rectangle labeled "portFacilityNumber" contains the word "Type". An arrow points from this to a purple rounded rectangle labeled "portFacilityNumberType". A callout box below the arrow states: "Number assigned to the port facility in the IMO port facility database".</p>						
Type	portFacilityNumberType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element BerthType / bollardNumber

Namespace	http://www.oho.int/S131/2.0
Diagram	<p>The diagram shows a UML class structure. A blue rounded rectangle labeled "bollardNumber" contains the word "Type". An arrow points from this to a purple rounded rectangle labeled "bollardNumberType". A callout box below the arrow states: "An identifier used to locate a specific bollard".</p>

Type	bollardNumberType						
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>2</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	2
content:	simple						
minOccurs:	0						
maxOccurs:	2						

Element BerthType / gLNExtension

Namespace	http://www.ihc.int/S131/2.0						
Diagram							
Type	gLNExtensionType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element BerthType / metreMarkNumber

Namespace	http://www.ihc.int/S131/2.0						
Diagram							
Type	metreMarkNumberType						
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>2</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	2
content:	simple						
minOccurs:	0						
maxOccurs:	2						

Element BerthType / manifoldNumber

Namespace	http://www.ihc.int/S131/2.0						
Diagram							
Type	manifoldNumberType						
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>2</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	2
content:	simple						
minOccurs:	0						
maxOccurs:	2						

Element BerthType / rampNumber

Namespace	http://www.ihc.int/S131/2.0						
Diagram							
Type	rampNumberType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element BerthType / locationByText

Namespace	http://www.ihc.int/S131/2.0

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

Element BerthType / methodOfSecuring

Namespace	http://www.ihc.int/S131/2.0						
Diagram							
Type	Berth_methodOfSecuringType						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> Berth_methodOfSecuringLabel Berth_methodOfSecuringType 						
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>Berth_methodOfSecuringCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	Berth_methodOfSecuringCode	required
QName	Type	Use					
code	Berth_methodOfSecuringCode	required					

Element BerthType / uNLocationCode

Namespace	http://www.ihc.int/S131/2.0								
Annotations	Is nullable								
Diagram									
Type	extension of uNLocationCodeType								
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> uNLocationCodeType 								
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>nullable:</td> <td>true</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1	nullable:	true
content:	complex								
minOccurs:	1								
maxOccurs:	1								
nullable:	true								

Attributes	QName	Type	Use
	nilReason	gml:NilReasonEnumeration	optional

Element BerthType / terminalIdentifier

Namespace	http://www.ihc.int/S131/2.0
Diagram	
Type	terminalIdentifierType
Properties	content: simple minOccurs: 0 maxOccurs: 1

Element BerthType / shorePowerDescription

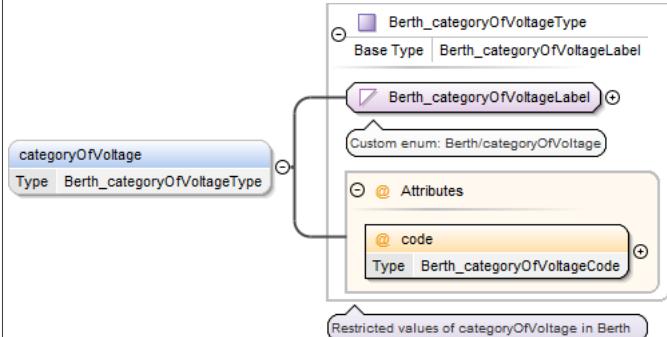
Namespace	http://www.ihc.int/S131/2.0
Diagram	
Type	shorePowerDescriptionType
Properties	content: simple minOccurs: 0 maxOccurs: 1

Element BerthType / categoryOfFrequency

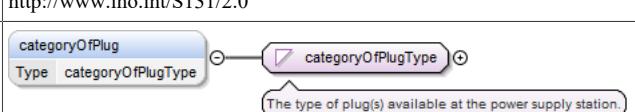
Namespace	http://www.ihc.int/S131/2.0						
Diagram							
Type	Berth_categoryOfFrequencyType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • Berth_categoryOfFrequencyLabel • Berth_categoryOfFrequencyType 						
Properties	content: complex minOccurs: 0 maxOccurs: unbounded						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>Berth_categoryOfFrequencyCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	Berth_categoryOfFrequencyCode	required
QName	Type	Use					
code	Berth_categoryOfFrequencyCode	required					

Element BerthType / categoryOfVoltage

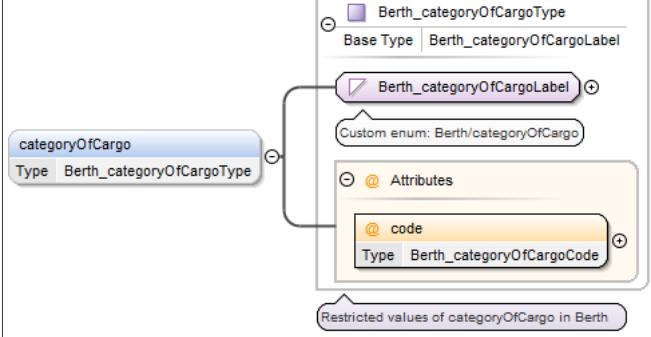
Namespace	http://www.ihc.int/S131/2.0
-----------	-----------------------------

Diagram							
Type	Berth_categoryOfVoltageType						
Type hierarchy	<ul style="list-style-type: none"> xs:string Berth_categoryOfVoltageLabel Berth_categoryOfVoltageType 						
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>Berth_categoryOfVoltageCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	Berth_categoryOfVoltageCode	required
QName	Type	Use					
code	Berth_categoryOfVoltageCode	required					

Element BerthType / categoryOfPlug

Namespace	http://www.aho.int/S131/2.0						
Diagram							
Type	categoryOfPlugType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	unbounded
content:	simple						
minOccurs:	0						
maxOccurs:	unbounded						

Element BerthType / categoryOfCargo

Namespace	http://www.aho.int/S131/2.0				
Diagram					
Type	Berth_categoryOfCargoType				
Type hierarchy	<ul style="list-style-type: none"> xs:string Berth_categoryOfCargoLabel Berth_categoryOfCargoType 				
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		
Attributes	QName	Type	Use	

Element BerthType / serviceDescriptionReference

Namespace	http://www.ihc.int/S131/2.0																																																					
Annotations	AvailablePortServices[0..1]																																																					
Diagram	<p>The diagram illustrates the structure of the <code>serviceDescriptionReference</code> element. It is defined as a <code>gml:ReferenceType</code>. The <code>gml:ReferenceType</code> has two attribute groups: <code>gml:OwnershipAttributeGroup</code> and <code>gml:AssociationAttributeGroup</code>. A note states: "Encoding a GML property inline vs. by-reference shall not imply anything about the 'ownership' of the contained or..." Another note states: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group....". A third note at the bottom right states: "gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a...".</p>																																																					
Type	<code>gml:ReferenceType</code>																																																					
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QName	Type	Fixed	Default	Use																																																		
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<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional																																																		

Element BerthType / facilityOperatingHours

Namespace	http://www.ihc.int/S131/2.0			
Annotations	ServiceHours[0..1]			

Diagram	<p>The diagram shows the <code>gml:ReferenceType</code> class with two associations. One association, labeled <code>ServiceHours[0..1]</code>, connects to the <code>facilityOperatingHours</code> element. The other association connects to the <code>demarcationIndicator</code> element. Both associations are marked with a circled minus sign, indicating they are optional.</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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QName	Type	Fixed	Default	Use																																															
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<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional																																															

Element BerthType / demarcationIndicator

Namespace	http://www.ihointerfaces.org/S131/2.0				
Annotations	<code>BerthPosition[0..*]</code>				
Diagram	<p>The diagram shows the <code>gml:ReferenceType</code> class with one association, labeled <code>BerthPosition[0..*]</code>, connecting to the <code>demarcationIndicator</code> element. This association is marked with a circled minus sign, indicating it is optional.</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> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				

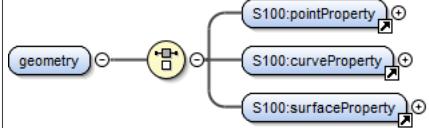
	maxOccurs:	unbounded				
Model						
Attributes	QName	Type	Fixed	Default	Use	
	nilReason	gml:NilReasonType			optional	
	owns	boolean		false	optional	
	xlink:actuate	xlink:actuateType			optional	
	xlink:arcrole	xlink:arcroleType			optional	
	xlink:href	xlink:hrefType			optional	
	xlink:role	xlink:roleType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

Element BerthType / componentOf

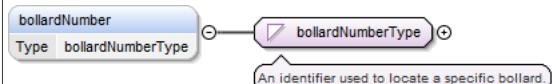
Namespace	http://www.ihc.int/S131/2.0											
Annotations	HarbourAreaSection Terminal[1..1]											
Diagram												
Type	gml:ReferenceType											
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>						content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex											
minOccurs:	1											
maxOccurs:	1											
Model												
Attributes	QName	Type	Fixed	Default	Use							
	nilReason	gml:NilReasonType			optional							
	owns	boolean		false	optional							
	xlink:actuate	xlink:actuateType			optional							
	xlink:arcrole	xlink:arcroleType			optional							
	xlink:href	xlink:hrefType			optional							
	xlink:role	xlink:roleType			optional							
	xlink:show	xlink:showType			optional							
	xlink:title	xlink:titleAttrType			optional							
	xlink:type	xlink:typeType	simple		optional							

Element BerthType / geometry

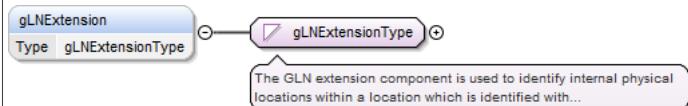
Namespace	http://www.ihc.int/S131/2.0					
-----------	-----------------------------	--	--	--	--	--

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

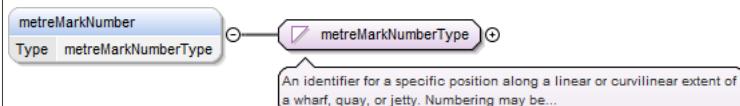
Element BerthPositionType / bollardNumber

Namespace	http://www.ihoint/S131/2.0
Diagram	 <p>An identifier used to locate a specific bollard.</p>
Type	bollardNumberType
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>

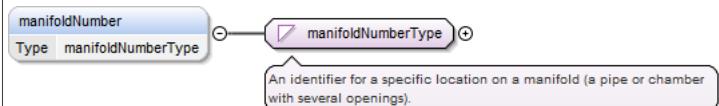
Element BerthPositionType / gLNExtension

Namespace	http://www.ihoint/S131/2.0
Diagram	 <p>The GLN extension component is used to identify internal physical locations within a location which is identified with...</p>
Type	gLNExtensionType
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>

Element BerthPositionType / metreMarkNumber

Namespace	http://www.ihoint/S131/2.0
Diagram	 <p>An identifier for a specific position along a linear or curvilinear extent of a wharf, quay, or jetty. Numbering may be...</p>
Type	metreMarkNumberType
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>

Element BerthPositionType / manifoldNumber

Namespace	http://www.ihoint/S131/2.0
Diagram	 <p>An identifier for a specific location on a manifold (a pipe or chamber with several openings).</p>
Type	manifoldNumberType
Properties	content: simple

minOccurs:	0
maxOccurs:	1

Element BerthPositionType / rampNumber

Namespace	http://www.ihc.int/S131/2.0						
Diagram	<p>The diagram shows a class named 'rampNumber' with a multiplicity of 0..1. It has an association to another class named 'rampNumberType' with a multiplicity of 0..1. A callout box for 'rampNumberType' states: 'An identifier for a specific ramp (a sloping structure that can be used as a landing place for small vessels, landing...)'.</p>						
Type	rampNumberType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element BerthPositionType / locationByText

Namespace	http://www.ihc.int/S131/2.0						
Diagram	<p>The diagram shows a class named 'locationByText' with a multiplicity of 0..1. It has an association to another class named 'locationByTextType' with a multiplicity of 0..1. A callout box for 'locationByTextType' states: 'A textual rendering of a geographic location.'</p>						
Type	locationByTextType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element BerthPositionType / demarcatedFeature

Namespace	http://www.ihc.int/S131/2.0										
Annotations	Berth[1..1]										
Diagram	<p>The diagram shows a class named 'demarcatedFeature' with a multiplicity of 0..1. It has an association to another class named 'gml:ReferenceType' with a multiplicity of 0..1. A callout box for 'gml:ReferenceType' states: 'Berth[1..1]'. Another callout box for 'gml:ReferenceType' states: 'gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a...'. Inside the 'gml:ReferenceType' box, there are two groups: 'gml:OwnershipAttributeGroup' and 'gml:AssociationAttributeGroup'.</p>										
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				
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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

Element BerthPositionType / auxiliaryFacility

Namespace	http://www.ihc.int/S131/2.0																																																		
Annotations	MooringWarpingFacility[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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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
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xlink:actuate	xlink:actuateType			optional																																															
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xlink:title	xlink:titleAttrType			optional																																															
xlink:type	xlink:typeType	simple		optional																																															

Element BerthPositionType / geometry

Namespace	http://www.ihc.int/S131/2.0				
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
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Element BollardType / height

Namespace	http://www.ih0.int/S131/2.0	
Diagram	<pre> graph LR height[height] --> heightType[heightType] </pre> <p>The value of the vertical distance to the highest point of the feature, measured from a specified vertical datum.</p>	
Type	heightType	
Properties	content: simple minOccurs: 0 maxOccurs: 1	
Facets	minExclusive 0 .. 0	

Element BollardType / verticalLength

Namespace	http://www.ih0.int/S131/2.0	
Diagram	<pre> graph LR verticalLength[verticalLength] --> verticalLengthType[verticalLengthType] </pre> <p>The total vertical length of a feature.</p>	
Type	verticalLengthType	
Properties	content: simple minOccurs: 0 maxOccurs: 1	
Facets	minExclusive 0 .. 0	

Element BollardType / safeWorkingLoad

Namespace	http://www.ih0.int/S131/2.0	
Diagram	<pre> graph LR safeWorkingLoad[safeWorkingLoad] --> safeWorkingLoadType[safeWorkingLoadType] </pre> <p>The maximum safe force or load that a piece of equipment, device, or accessory can handle without breaking or failing...</p>	
Type	safeWorkingLoadType	
Properties	content: simple minOccurs: 0 maxOccurs: 1	
Facets	minExclusive 0 .. 0	

Element BollardType / geometry

Namespace	http://www.ih0.int/S131/2.0	
Diagram	<pre> graph LR geometry[geometry] --> pointProperty[S100:pointProperty] </pre>	
Properties	content: complex maxOccurs: unbounded	
Model	pointProperty	

Element DockAreaType / depthsDescription

Namespace	http://www.ih0.int/S131/2.0	
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Diagram							
Type	depthsDescriptionType						
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	categoryOfDepthsDescription , textContent+						

Element DockAreaType / locationByText

Namespace	http://www.ih0.int/S131/2.0						
Diagram							
Type	locationByTextType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element DockAreaType / markedBy

Namespace	http://www.ih0.int/S131/2.0						
Diagram							
Type	markedByType						
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	textContent+						

Element DockAreaType / iSPSLevel

Namespace	http://www.ih0.int/S131/2.0
Diagram	

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

Element DockAreaType / serviceDescriptionReference

Namespace	http://www.ihc.int/S131/2.0				
Annotations	AvailablePortServices[0..1]				
Diagram					
Type	gml:ReferenceType				
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>				
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

Element DockAreaType / facilityOperatingHours

Namespace	http://www.ihc.int/S131/2.0		
Annotations	ServiceHours[0..1]		

Diagram	<p>The diagram shows the UML class <code>gml:ReferenceType</code>. It has an attribute <code>facilityOperatingHours</code> of type <code>gml:ReferenceType</code> with multiplicity <code>ServiceHours[0..1]</code>. Another attribute, <code>ownershipAttributeGroup</code>, is highlighted in orange. A note states: "Encoding a GML property inline vs. by-reference shall not imply anything about the 'ownership' of the contained or..."</p>																																																		
Type	<code>gml:ReferenceType</code>																																																		
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QName	Type	Fixed	Default	Use																																															
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<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional																																															

Element DockAreaType / componentOf

Namespace	http://www.ihc.int/S131/2.0				
Annotations	<code>HarbourAreaSection[1..1]</code>				
Diagram	<p>The diagram shows the UML class <code>gml:ReferenceType</code>. It has an attribute <code>componentOf</code> of type <code>gml:ReferenceType</code> with multiplicity <code>HarbourAreaSection[1..1]</code>. Another attribute, <code>ownershipAttributeGroup</code>, is highlighted in orange. A note states: "Encoding a GML property inline vs. by-reference shall not imply anything about the 'ownership' of the contained or..."</p>				
Type	<code>gml:ReferenceType</code>				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1
content:	complex				
minOccurs:	1				

	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	

Element DockAreaType / geometry

Namespace	http://www.oho.int/S131/2.0
Diagram	
Properties	content: complex maxOccurs: unbounded
Model	surfaceProperty

Element DryDockType / sillDepth

Namespace	http://www.oho.int/S131/2.0
Diagram	
Type	sillDepthType
Properties	content: simple minOccurs: 0 maxOccurs: 1
Facets	maxInclusive 100.0 minInclusive 0.0

Element DryDockType / verticalClearanceValue

Namespace	http://www.oho.int/S131/2.0
Diagram	
Type	verticalClearanceValueType
Properties	content: simple minOccurs: 0 maxOccurs: 1
Facets	maxInclusive 100.0 minInclusive 0.1

Element DryDockType / facilityOperatingHours

Namespace	http://www.oho.int/S131/2.0
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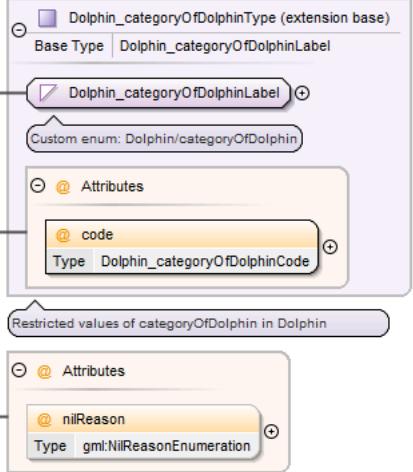
Annotations	ServiceHours[0..1]																																																		
Diagram	<p>The diagram illustrates the structure of the <code>gml:ReferenceType</code> element. It shows two attribute groups: <code>gml:OwnershipAttributeGroup</code> and <code>gml:AssociationAttributeGroup</code>. A note states: "Encoding a GML property inline vs. by-reference shall not imply anything about the 'ownership' of the contained or..." Another note states: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group....". A callout box at the bottom right indicates: "gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a...".</p>																																																		
Type	<code>gml:ReferenceType</code>																																																		
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1																																												
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<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional																																															

Element DryDockType / geometry

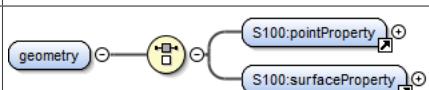
Namespace	http://www.ihoint/S131/2.0				
Diagram	<p>The diagram shows the <code>geometry</code> element with two child elements: <code>S100:pointProperty</code> and <code>S100:surfaceProperty</code>.</p>				
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	maxOccurs:	unbounded
content:	complex				
maxOccurs:	unbounded				
Model	<code>pointProperty surfaceProperty</code>				

Element DolphinType / categoryOfDolphin

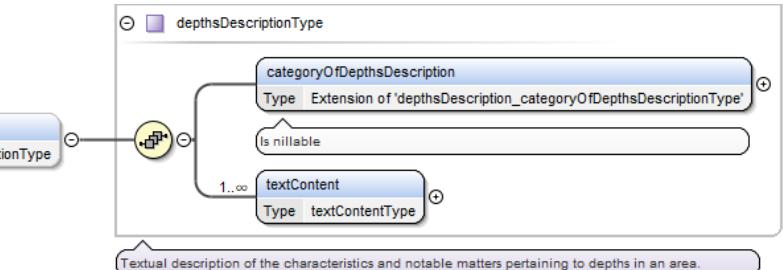
Namespace	http://www.ihoint/S131/2.0
Annotations	Is nullable

Diagram										
Type	extension of Dolphin_categoryOfDolphinType									
Type hierarchy	<ul style="list-style-type: none"> • xs:string • Dolphin_categoryOfDolphinLabel • Dolphin_categoryOfDolphinType 									
Properties	<table> <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>Dolphin_categoryOfDolphinCode</td> <td>required</td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonEnumeration</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	code	Dolphin_categoryOfDolphinCode	required	nilReason	gml:NilReasonEnumeration	optional
QName	Type	Use								
code	Dolphin_categoryOfDolphinCode	required								
nilReason	gml:NilReasonEnumeration	optional								

Element DolphinType / geometry

Namespace	http://www.ihc.int/S131/2.0				
Diagram					
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	maxOccurs:	unbounded
content:	complex				
maxOccurs:	unbounded				
Model	pointProperty surfaceProperty				

Element DumpingGroundType / depthsDescription

Namespace	http://www.ihc.int/S131/2.0				
Diagram					
Type	depthsDescriptionType				
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				

	maxOccurs: 1
Model	categoryOfDepthsDescription , textContent+

Element DumpingGroundType / locationByText

Namespace	http://www.ihc.int/S131/2.0						
Diagram	 <pre> classDiagram locationByText < -- locationByTextType locationByTextType < -- "A textual rendering of a geographic location" </pre>						
Type	locationByTextType						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element DumpingGroundType / markedBy

Namespace	http://www.ihc.int/S131/2.0						
Diagram	<pre> classDiagram class markedByType { <<markedBy>> <<Type>> } class textContentType { <<textContent>> <<Type>> } markedByType "1..>" textContentType markedByType "*" "textContent" </pre> <p>Description of the aids to navigation used to mark an area or object.</p>						
Type	markedByType						
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	textContent+						

Element DumpingGroundType / iSPLSLevel

Namespace	http://www.ihc.int/S131/2.0								
Diagram	<pre> classDiagram class iSPSLevel { <<Type DumpingGround_iSPSLevelType>> } class DumpingGround_iSPSLevelLabel { <<Base Type iSPSLevel>> } class DumpingGround_iSPSLevelCode { <<Custom enum: DumpingGround/iSPSLevel>> } iSPSLevel < -- DumpingGround_iSPSLevelLabel DumpingGround_iSPSLevelLabel < -- code code < -- DumpingGround_iSPSLevelCode note over code: Restricted values of iSPSLevel in DumpingGround </pre>								
Type	DumpingGround_iSPSLevelType								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • DumpingGround_iSPSLevelLabel • DumpingGround_iSPSLevelType 								
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> <th></th> </tr> </thead> <tbody> <tr> <td>code</td> <td>DumpingGround_iSPSLevelCode</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		code	DumpingGround_iSPSLevelCode	required	
QName	Type	Use							
code	DumpingGround_iSPSLevelCode	required							

Element DumpingGroundType / facilityOperatingHours

Namespace	http://www.iho.int/S131/2.0																																																		
Annotations	ServiceHours[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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Element DumpingGroundType / componentOf

Namespace	http://www.iho.int/S131/2.0
Annotations	HarbourAreaSection[1..1]
Diagram	

Type	gml:ReferenceType				
Properties	content: complex minOccurs: 1 maxOccurs: 1				
Model					
Attributes	QName	Type	Fixed	Default	Use
Attributes	nilReason	gml:nilReasonType			optional
	owns	boolean		false	optional
	xlink:actuate	xlink:actuateType			optional
	xlink:arcrole	xlink:arcroleType			optional
	xlink:href	xlink:hrefType			optional
	xlink:role	xlink:roleType			optional
	xlink:show	xlink:showType			optional
	xlink:title	xlink:titleAttrType			optional
	xlink:type	xlink:typeType	simple		optional

Element DumpingGroundType / geometry

Namespace	http://www.ihodata.org/S131/2.0
Diagram	<pre> classDiagram class geometry class S100:surfaceProperty class S100:pointProperty geometry "1" *-- "*" S100:surfaceProperty geometry "1" *-- "*" S100:pointProperty </pre>
Properties	content: complex maxOccurs: unbounded
Model	surfaceProperty pointProperty

Element FenderLineType / orientation

Namespace	http://www.ihodata.org/S131/2.0
Diagram	<pre> classDiagram class orientation class orientationType class orientationUncertainty class orientationValue orientation "1" *-- "*" orientationType orientation "1" *-- "*" orientationUncertainty orientation "1" *-- "*" orientationValue </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

Element FenderLineType / componentOf

Namespace	http://www.ihodata.org/S131/2.0
Annotations	HarbourAreaSection[1..1]

Diagram	<p>The diagram illustrates the structure of the <code>gml:ReferenceType</code>. It shows inheritance from <code>gml:PropertyType</code> (indicated by a yellow square icon). The <code>gml:ReferenceType</code> itself is represented by a purple square icon. Its attributes are grouped into two categories: <code>gml:OwnershipAttributeGroup</code> (highlighted in orange) and <code>gml:AssociationAttributeGroup</code> (highlighted in yellow). 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 callout box at the bottom right indicates: "gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a...".</p>																																																		
Type	<code>gml:ReferenceType</code>																																																		
Properties	<table 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																																												
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Element `FenderLineType / geometry`

Namespace	http://www.aho.int/S131/2.0				
Diagram	<p>The diagram shows the inheritance path from <code>geometry</code> (indicated by a yellow square icon) through a junction node (indicated by a yellow circle icon) to <code>S100:curveProperty</code> (indicated by a purple square icon).</p>				
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	maxOccurs:	unbounded
content:	complex				
maxOccurs:	unbounded				
Model	<code>curveProperty</code>				

Element `FloatingDockType / sillDepth`

Namespace	http://www.aho.int/S131/2.0						
Diagram	<p>The diagram shows the inheritance path from <code>sillDepth</code> (indicated by a yellow square icon) through a junction node (indicated by a yellow circle icon) to <code>sillDepthType</code> (indicated by a purple square icon). A note below the junction node states: "The greatest depth over a sill."</p>						
Type	<code>sillDepthType</code>						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">simple</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<code>maxInclusive</code> 100.0						

	minInclusive	0 .. 0
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Element FloatingDockType / facilityOperatingHours

Namespace	http://www.aho.int/S131/2.0																																																						
Annotations	ServiceHours[0..1]																																																						
Diagram																																																							
Type	gml:ReferenceType																																																						
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Element FloatingDockType / geometry

Namespace	http://www.aho.int/S131/2.0								
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 surfaceProperty								

Element GridironType / sillDepth

Namespace	http://www.aho.int/S131/2.0				
Diagram					

Type	sillDepthType
Properties	content: simple minOccurs: 0 maxOccurs: 1
Facets	maxInclusive 100 . 0 minInclusive 0 . 0

Element GridironType / verticalClearanceValue

Namespace	http://www.aho.int/S131/2.0
Diagram	
Type	verticalClearanceValueType
Properties	content: simple minOccurs: 0 maxOccurs: 1
Facets	maxInclusive 100 . 0 minInclusive 0 . 1

Element GridironType / facilityOperatingHours

Namespace	http://www.aho.int/S131/2.0																																			
Annotations	ServiceHours[0..1]																																			
Diagram																																				
Type	gml:ReferenceType																																			
Properties	content: complex minOccurs: 0 maxOccurs: 1																																			
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QName	Type	Fixed	Default	Use
xlink:show	xlink:showType			optional
xlink:title	xlink:titleAttrType			optional
xlink:type	xlink:typeType	simple		optional

Element GridironType / geometry

Namespace	http://www.aho.int/S131/2.0
Diagram	<pre> classDiagram class geometry class S100::pointProperty class S100::surfaceProperty geometry "1" -- "0..1" S100::pointProperty geometry "1" -- "0..1" S100::surfaceProperty </pre>
Properties	content: complex maxOccurs: unbounded
Model	pointProperty surfaceProperty

Element HarbourAreaAdministrativeType / uNLocationCode

Namespace	http://www.aho.int/S131/2.0
Diagram	<pre> classDiagram class uNLocationCode { <<Type>> <<uNLocationCodeType>> } class uNLocationCodeType uNLocationCode "1" -- "0..1" uNLocationCodeType </pre>
Type	uNLocationCodeType
Properties	content: simple minOccurs: 0 maxOccurs: 1

Element HarbourAreaAdministrativeType / nationality

Namespace	http://www.aho.int/S131/2.0
Diagram	<pre> classDiagram class nationality { <<Type>> <<nationalityType>> } class nationalityType nationality "1" -- "0..1" nationalityType </pre>
Type	nationalityType
Properties	content: simple minOccurs: 0 maxOccurs: 1

Element HarbourAreaAdministrativeType / applicableLoadLineZone

Namespace	http://www.aho.int/S131/2.0
Diagram	<pre> classDiagram class applicableLoadLineZone { <<Type>> <<applicableLoadLineZoneType>> } class applicableLoadLineZoneType applicableLoadLineZone "1" -- "0..1" applicableLoadLineZoneType </pre>
Type	applicableLoadLineZoneType
Properties	content: simple minOccurs: 0 maxOccurs: 1

Element HarbourAreaAdministrativeType / iSPSLevel

Namespace	http://www.aho.int/S131/2.0
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Diagram	<pre> classDiagram class iSPSLevel { Type HarbourAreaAdministrative_iSPSLevelType } HarbourAreaAdministrative_iSPSLevelType < -- HarbourAreaAdministrative_iSPSLevelLabel HarbourAreaAdministrative_iSPSLevelLabel { Custom enum: HarbourAreaAdministrative/iSPSLevel } @ code Type HarbourAreaAdministrative_iSPSLevelCode note Restricted values of iSPSLevel in HarbourAreaAdministrative </pre>						
Type	HarbourAreaAdministrative_iSPSLevelType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • HarbourAreaAdministrative_iSPSLevelLabel • HarbourAreaAdministrative_iSPSLevelType 						
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QName	Type	Use					
code	HarbourAreaAdministrative_iSPSLevelCode	required					

Element HarbourAreaAdministrativeType / categoryOfHarbourFacility

Namespace	http://www.aho.int/S131/2.0						
Diagram	<pre> classDiagram class categoryOfHarbourFacility { Type HarbourAreaAdministrative_categoryOfHarbourFacilityType } HarbourAreaAdministrative_categoryOfHarbourFacilityType < -- HarbourAreaAdministrative_categoryOfHarbourFacilityLabel HarbourAreaAdministrative_categoryOfHarbourFacilityLabel { Custom enum: HarbourAreaAdministrative/categoryOfHarbourFacility } @ code Type HarbourAreaAdministrative_categoryOfHarbourFacilityCode note Restricted values of categoryOfHarbourFacility in HarbourAreaAdministrative </pre>						
Type	HarbourAreaAdministrative_categoryOfHarbourFacilityType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • HarbourAreaAdministrative_categoryOfHarbourFacilityLabel • HarbourAreaAdministrative_categoryOfHarbourFacilityType 						
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	Use					
code	HarbourAreaAdministrative_categoryOfHarbourFacilityCode	required					

Element HarbourAreaAdministrativeType / generalHarbourInformation

Namespace	http://www.aho.int/S131/2.0
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Diagram	<pre> classDiagram class generalHarbourInformation { <<generalHarbourInformation>> Type generalHarbourInformationType } class generalPortDescription { <<generalPortDescription>> Type generalPortDescriptionType } class facilitiesLayoutDescription { <<facilitiesLayoutDescription>> Type facilitiesLayoutDescriptionType } class limitsDescription { <<limitsDescription>> Type limitsDescriptionType } class constructionInformation { <<constructionInformation>> Type constructionInformationType } class cargoServicesDescription { <<cargoServicesDescription>> Type cargoServicesDescriptionType } class weatherResource { <<weatherResource>> Type weatherResourceType } generalHarbourInformation "0..>" generalPortDescription generalHarbourInformation "0..>" facilitiesLayoutDescription generalHarbourInformation "0..>" limitsDescription generalHarbourInformation "0..>" constructionInformation generalHarbourInformation "0..>" cargoServicesDescription generalHarbourInformation "0..>" weatherResource </pre> <p>General information about the port or harbour area.</p>						
Type	generalHarbourInformationType						
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
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minOccurs:	0						
maxOccurs:	1						
Model	generalPortDescription{0,1} , facilitiesLayoutDescription{0,1} , limitsDescription{0,1} , constructionInformation* , cargoServicesDescription{0,1} , weatherResource*						

Element HarbourAreaAdministrativeType / serviceDescriptionReference

Namespace	http://www.ihc.int/S131/2.0																								
Annotations	AvailablePortServices[0..1]																								
Diagram	<pre> classDiagram class serviceDescriptionReference { <<serviceDescriptionReference>> Type gml:ReferenceType } class gml:OwnershipAttributeGroup class gml:AssociationAttributeGroup serviceDescriptionReference "0..>" gml:OwnershipAttributeGroup serviceDescriptionReference "0..>" gml:AssociationAttributeGroup </pre> <p>AvailablePortServices[0..1]</p> <p>gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a...</p> <p>XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,...</p>																								
Type	gml:ReferenceType																								
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>					content:	complex	minOccurs:	0	maxOccurs:	1														
content:	complex																								
minOccurs:	0																								
maxOccurs:	1																								
Model																									
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">QName</th> <th style="width: 25%;">Type</th> <th style="width: 25%;">Fixed</th> <th style="width: 25%;">Default</th> </tr> </thead> <tbody> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> </tr> </tbody> </table>	QName	Type	Fixed	Default	nilReason	gml:NilReasonType			owns	boolean		false	xlink:actuate	xlink:actuateType			xlink:arcrole	xlink:arcroleType			xlink:href	xlink:hrefType		
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xlink:arcrole	xlink:arcroleType																								
xlink:href	xlink:hrefType																								

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

Element HarbourAreaAdministrativeType / facilityOperatingHours

Namespace	http://www.ihc.int/S131/2.0																																																		
Annotations	ServiceHours[0..1]																																																		
Diagram	<p>The diagram illustrates the UML representation of the <code>facilityOperatingHours</code> element. It is defined as a <code>gml:ReferenceType</code>. The <code>Attributes</code> section contains two groups: <code>gml:OwnershipAttributeGroup</code> and <code>gml:AssociationAttributeGroup</code>. A note states: "Encoding a GML property inline vs. by-reference shall not imply anything about the 'ownership' of the contained or..." Another note specifies: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group..." A third note indicates: "gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a..."</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>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1																																												
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xlink:title	xlink:titleAttrType			optional																																															
xlink:type	xlink:typeType	simple		optional																																															

Element HarbourAreaAdministrativeType / limitExtent

Namespace	http://www.ihc.int/S131/2.0
Annotations	OuterLimit[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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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:show	xlink:showType			optional																																															
xlink:title	xlink:titleAttrType			optional																																															
xlink:type	xlink:typeType	simple		optional																																															

Element HarbourAreaAdministrativeType / layoutUnit

Namespace	http://www.ihc.int/S131/2.0				
Annotations	HarbourAreaSection[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> </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		

Element HarbourAreaAdministrativeType / geometry

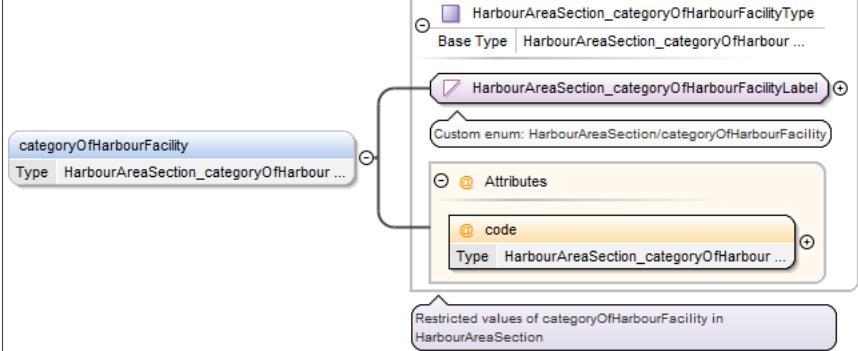
Namespace	http://www.ih0.int/S131/2.0				
Diagram	<pre> classDiagram class geometry class S100_pointProperty class S100_surfaceProperty geometry "1" -- "*" S100_pointProperty geometry "1" -- "*" S100_surfaceProperty </pre>				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	maxOccurs:	unbounded
content:	complex				
maxOccurs:	unbounded				
Model	pointProperty surfaceProperty				

Element HarbourAreaSectionType / categoryOfPortSection

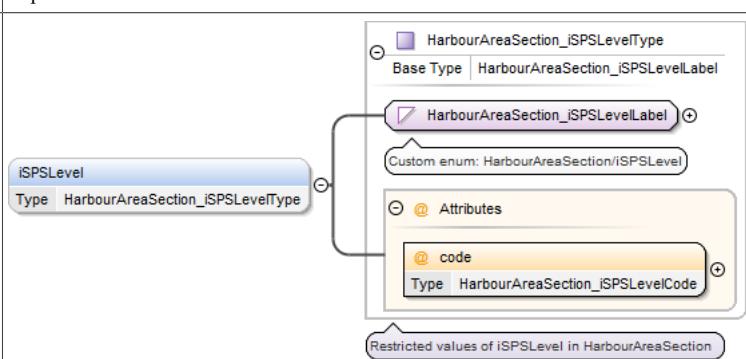
Namespace	http://www.ih0.int/S131/2.0								
Diagram	<pre> classDiagram class categoryOfPortSection class HarbourAreaSection_categoryOfPortSectionLabel class HarbourAreaSection_categoryOfPortSectionType categoryOfPortSection "1" -- "*" HarbourAreaSection_categoryOfPortSectionLabel </pre> <p>Detailed view of HarbourAreaSection_categoryOfPortSectionType:</p> <ul style="list-style-type: none"> Base Type: HarbourAreaSection_categoryOfPortSectionType Custom enum: HarbourAreaSection/categoryOfPortSection Attributes: <ul style="list-style-type: none"> @ code Restricted values of categoryOfPortSection in HarbourAreaSection 								
Type	HarbourAreaSection_categoryOfPortSectionType								
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> HarbourAreaSection_categoryOfPortSectionLabel HarbourAreaSection_categoryOfPortSectionType 								
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"> <tr> <td>QName</td> <td>Type</td> <td>Use</td> <td></td> </tr> <tr> <td>code</td> <td>HarbourAreaSection_categoryOfPortSectionCode</td> <td>required</td> <td></td> </tr> </table>	QName	Type	Use		code	HarbourAreaSection_categoryOfPortSectionCode	required	
QName	Type	Use							
code	HarbourAreaSection_categoryOfPortSectionCode	required							

Element HarbourAreaSectionType / categoryOfHarbourFacility

Namespace	http://www.ih0.int/S131/2.0
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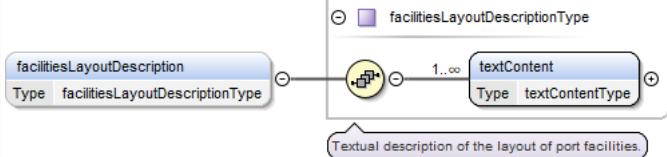
Diagram							
Type	HarbourAreaSection_categoryOfHarbourFacilityType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • HarbourAreaSection_categoryOfHarbourFacilityLabel • HarbourAreaSection_categoryOfHarbourFacilityType 						
Properties	<table border="1"> <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>HarbourAreaSection_categoryOfHarbourFacilityCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	HarbourAreaSection_categoryOfHarbourFacilityCode	required
QName	Type	Use					
code	HarbourAreaSection_categoryOfHarbourFacilityCode	required					

Element HarbourAreaSectionType / iSPSLevel

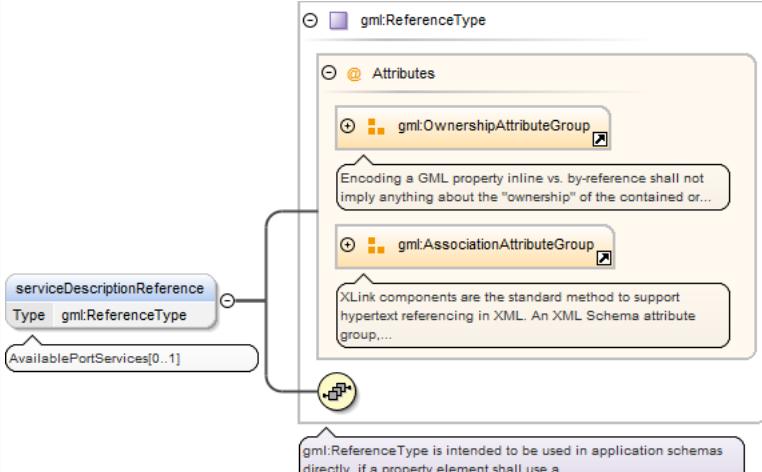
Namespace	http://www.ihc.int/S131/2.0						
Diagram							
Type	HarbourAreaSection_iSPSLevelType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • HarbourAreaSection_iSPSLevelLabel • HarbourAreaSection_iSPSLevelType 						
Properties	<table border="1"> <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>HarbourAreaSection_iSPSLevelCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	HarbourAreaSection_iSPSLevelCode	required
QName	Type	Use					
code	HarbourAreaSection_iSPSLevelCode	required					

Element HarbourAreaSectionType / facilitiesLayoutDescription

Namespace	http://www.ihc.int/S131/2.0
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Diagram							
Type	facilitiesLayoutDescriptionType						
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	textContent+						

Element HarbourAreaSectionType / serviceDescriptionReference

Namespace	http://www.ihc.int/S131/2.0																																																		
Annotations	AvailablePortServices[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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xlink:title	xlink:titleAttrType			optional																																															
xlink:type	xlink:typeType	simple		optional																																															

Element HarbourAreaSectionType / facilityOperatingHours

Namespace	http://www.ihc.int/S131/2.0
Annotations	ServiceHours[0..1]

Diagram	<p>The diagram illustrates the structure of the <code>gml:ReferenceType</code> element. It shows the element itself with its type <code>gml:ReferenceType</code>. Below it, the <code>facilityOperatingHours</code> attribute is shown with its type <code>gml:ReferenceType</code> and a cardinality of <code>ServiceHours[0..1]</code>. A line connects this attribute to a larger box containing two groups of attributes: <code>gml:OwnershipAttributeGroup</code> and <code>gml:AssociationAttributeGroup</code>. A callout box provides a detailed explanation of these groups. Another callout box at the bottom right of the diagram area states: "gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a...".</p>																																																		
Type	<code>gml:ReferenceType</code>																																																		
Properties	<table 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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QName	Type	Fixed	Default	Use																																															
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional																																															
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<code>xlink:href</code>	<code>xlink:hrefType</code>			optional																																															
<code>xlink:role</code>	<code>xlink:roleType</code>			optional																																															
<code>xlink:show</code>	<code>xlink:showType</code>			optional																																															
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional																																															
<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional																																															

Element HarbourAreaSectionType / componentOf

Namespace	<code>http://www.ihc.int/S131/2.0</code>				
Annotations	<code>HarbourAreaAdministrative[0..1]</code>				
Diagram	<p>The diagram illustrates the structure of the <code>componentOf</code> attribute. It shows the attribute itself with its type <code>gml:ReferenceType</code>. Below it, the <code>HarbourAreaAdministrative</code> annotation is shown with a cardinality of <code>[0..1]</code>. A line connects this annotation to a larger box containing two groups of attributes: <code>gml:OwnershipAttributeGroup</code> and <code>gml:AssociationAttributeGroup</code>. A callout box provides a detailed explanation of these groups. Another callout box at the bottom right of the diagram area states: "gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a...".</p>				
Type	<code>gml:ReferenceType</code>				
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				

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

Element HarbourAreaSectionType / constitute

Namespace	http://www.iho.int/S131/2.0																																																												
Annotations	HarbourAreaSection[0..1]																																																												
Diagram																																																													
Type	gml:ReferenceType																																																												
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xlink:title	xlink:titleAttrType			optional																																																									
xlink:type	xlink:typeType	simple		optional																																																									

Element HarbourAreaSectionType / subUnit

Namespace	http://www.iho.int/S131/2.0
Annotations	HarbourAreaSection[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>. 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...".</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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minOccurs:	0																																																		
maxOccurs:	unbounded																																																		
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<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional																																															

Element HarbourAreaSectionType / hasInfrastructure

Namespace	http://www.ihc.int/S131/2.0				
Annotations	<code>HarbourPhysicalInfrastructure[0..*]</code>				
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>. 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...".</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> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				

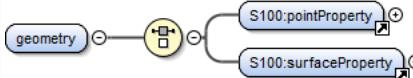
	maxOccurs:	unbounded				
Model						
Attributes	QName	Type	Fixed	Default	Use	
	nilReason	gml:NilReasonType			optional	
	owns	boolean		false	optional	
	xlink:actuate	xlink:actuateType			optional	
	xlink:arcrole	xlink:arcroleType			optional	
	xlink:href	xlink:hrefType			optional	
	xlink:role	xlink:roleType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

Element HarbourAreaSectionType / layoutUnit

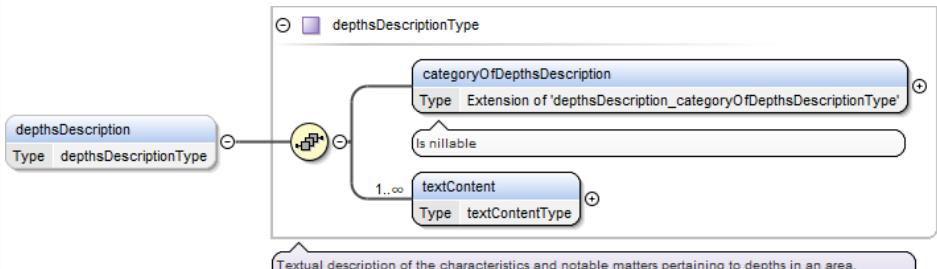
Namespace	http://www.ihc.int/S131/2.0							
Annotations	AnchorageArea Berth DockArea DumpingGround FenderLine HarbourBasin PilotBoardingPlace SeaplaneLandingArea Terminal TurningBasin WaterwayArea[0..*]							
Diagram								
Type	gml:ReferenceType							
Properties	<table border="1"> <tr> <td>content:</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							
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Model								
Attributes	QName	Type	Fixed	Default	Use			
Attributes	nilReason	gml:NilReasonType			optional			
	owns	boolean		false	optional			
	xlink:actuate	xlink:actuateType			optional			
	xlink:arcrole	xlink:arcroleType			optional			
	xlink:href	xlink:hrefType			optional			
	xlink:role	xlink:roleType			optional			
	xlink:show	xlink:showType			optional			
	xlink:title	xlink:titleAttrType			optional			
	xlink:type	xlink:typeType	simple		optional			

Element HarbourAreaSectionType / geometry

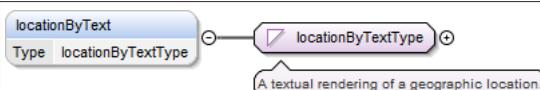
Namespace	http://www.ihc.int/S131/2.0
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Diagram	
Properties	<p>content: complex</p> <p>maxOccurs: unbounded</p>
Model	pointProperty surfaceProperty

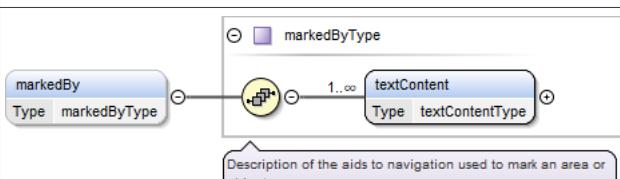
Element HarbourBasinType / depthsDescription

Namespace	http://www.ihc.int/S131/2.0
Diagram	 <p>Textual description of the characteristics and notable matters pertaining to depths in an area.</p>
Type	depthsDescriptionType
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Model	categoryOfDepthsDescription , textContent+

Element HarbourBasinType / locationByText

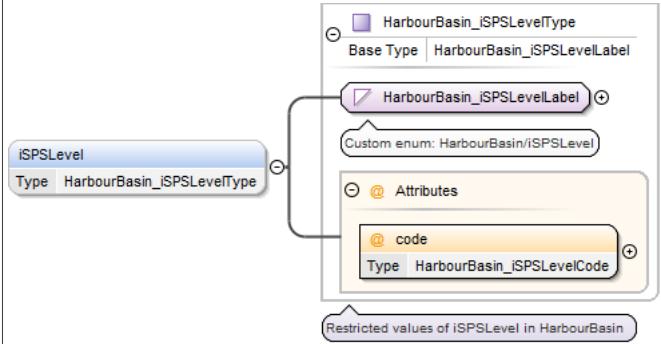
Namespace	http://www.ihc.int/S131/2.0
Diagram	 <p>A textual rendering of a geographic location.</p>
Type	locationByTextType
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Model	

Element HarbourBasinType / markedBy

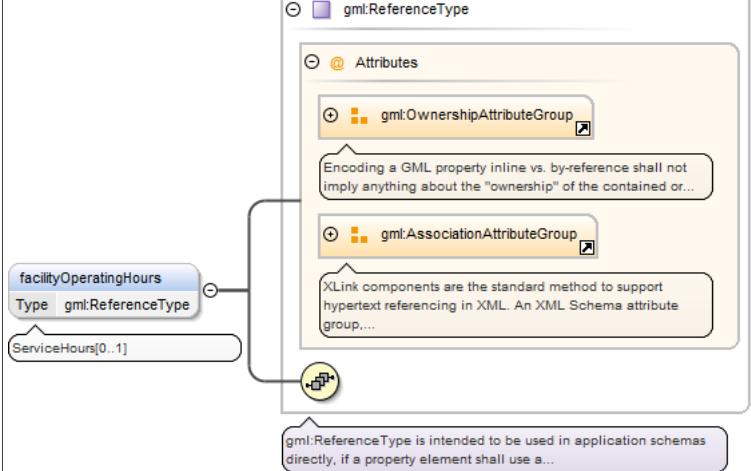
Namespace	http://www.ihc.int/S131/2.0
Diagram	 <p>Description of the aids to navigation used to mark an area or object.</p>
Type	markedByType
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Model	textContent+

Element HarbourBasinType / iSPSLevel

Namespace	http://www.ihc.int/S131/2.0
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Diagram							
Type	HarbourBasin_iSPSLevelType						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> • HarbourBasin_iSPSLevelLabel <ul style="list-style-type: none"> • HarbourBasin_iSPSLevelType 						
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						
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Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>HarbourBasin_iSPSLevelCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	HarbourBasin_iSPSLevelCode	required
QName	Type	Use					
code	HarbourBasin_iSPSLevelCode	required					

Element HarbourBasinType / facilityOperatingHours

Namespace	http://www.aho.int/S131/2.0																																			
Annotations	ServiceHours[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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QName	Type	Fixed	Default	Use
xlink:show	xlink:showType			optional
xlink:title	xlink:titleAttrType			optional
xlink:type	xlink:typeType	simple		optional

Element HarbourBasinType / componentOf

Namespace	http://www.ihc.int/S131/2.0																																																		
Annotations	HarbourAreaSection[1..1]																																																		
Diagram	<p>The diagram illustrates the UML class structure for the <code>componentOf</code> relationship. It shows a class named <code>componentOf</code> with a multiplicity of 1..1, associated with the class <code>HarbourAreaSection</code>. This association is annotated with <code>Type gml:ReferenceType</code>. The <code>gml:ReferenceType</code> class is shown in a detailed view, containing two attribute groups: <code>gml:OwnershipAttributeGroup</code> and <code>gml:AssociationAttributeGroup</code>. A note states: "Encoding a GML property inline vs. by-reference shall not imply anything about the 'ownership' of the contained or..." Another note explains: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,...". A third note specifies: "gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a...".</p>																																																		
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xlink:title	xlink:titleAttrType			optional																																															
xlink:type	xlink:typeType	simple		optional																																															

Element HarbourBasinType / geometry

Namespace	http://www.ihc.int/S131/2.0				
Diagram	<p>The diagram shows a class named <code>geometry</code> associated with the class <code>S100:surfaceProperty</code>. The association is annotated with a note: "geometry is a placeholder for the geometry of the feature, which is defined by the surfaceProperty element." The <code>S100:surfaceProperty</code> class is shown in a detailed view.</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	surfaceProperty				

Element HarbourFacilityType / facilityOperatingHours

Namespace	http://www.ihc.int/S131/2.0
Annotations	ServiceHours[0..1]

Diagram																																																													
Type	gml:ReferenceType																																																												
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1																																																						
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maxOccurs:	1																																																												
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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;">Fixed</th><th style="text-align: left; padding: 2px;">Default</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;">nilReason</td><td style="padding: 2px;">gml:nilReasonType</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">owns</td><td style="padding: 2px;">boolean</td><td style="padding: 2px;"></td><td style="padding: 2px;">false</td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">xlink:actuate</td><td style="padding: 2px;">xlink:actuateType</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">xlink:arcrole</td><td style="padding: 2px;">xlink:arcroleType</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">xlink:href</td><td style="padding: 2px;">xlink:hrefType</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">xlink:role</td><td style="padding: 2px;">xlink:roleType</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">xlink:show</td><td style="padding: 2px;">xlink:showType</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">xlink:title</td><td style="padding: 2px;">xlink:titleAttrType</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">optional</td></tr> <tr> <td style="padding: 2px;">xlink:type</td><td style="padding: 2px;">xlink:typeType</td><td style="padding: 2px;">simple</td><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">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
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Element HarbourFacilityType / geometry

Namespace	http://www.ihc.int/S131/2.0				
Diagram					
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	maxOccurs:	unbounded
content:	complex				
maxOccurs:	unbounded				
Model	pointProperty curveProperty surfaceProperty				

Element LockBasinType / sillDepth

Namespace	http://www.ihc.int/S131/2.0						
Diagram							
Type	sillDepthType						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">simple</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Facets	maxInclusive	100.0
	minInclusive	0.0

Element LockBasinType / facilityOperatingHours

Namespace	http://www.aho.int/S131/2.0																																																						
Annotations	ServiceHours[0..1]																																																						
Diagram	<p>facilityOperatingHours Type gml:ReferenceType</p> <p>ServiceHours[0..1]</p> <p>gml:ReferenceType Attributes gml:OwnershipAttributeGroup gml:AssociationAttributeGroup</p> <p>gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a...</p>																																																						
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xlink:type	xlink:typeType	simple		optional																																																			

Element LockBasinType / geometry

Namespace	http://www.aho.int/S131/2.0								
Diagram	<p>geometry</p> <p>S100:pointProperty</p> <p>S100:surfaceProperty</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	pointProperty surfaceProperty								

Element LockBasinPartType / sillDepth

Namespace	http://www.aho.int/S131/2.0				
Diagram	<p>sillDepth Type sillDepthType</p> <p>The greatest depth over a sill.</p>				

Type	sillDepthType
Properties	content: simple minOccurs: 0 maxOccurs: 1
Facets	maxInclusive 100.0 minInclusive 0.0

Element LockBasinPartType / facilityOperatingHours

Namespace	http://www.aho.int/S131/2.0																																																												
Annotations	ServiceHours[0..1]																																																												
Diagram	<p>The diagram illustrates the UML class <code>facilityOperatingHours</code> which is defined as a <code>gml:ReferenceType</code>. It has two associations: one to <code>gml:OwnershipAttributeGroup</code> and another to <code>gml:AssociationAttributeGroup</code>. A note indicates that encoding a GML property inline vs. by-reference shall not imply anything about the "ownership" of the contained or... The note also states that XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group.... A final note specifies that <code>gml:ReferenceType</code> is intended to be used in application schemas directly, if a property element shall use a...</p>																																																												
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Properties	content: complex minOccurs: 0 maxOccurs: 1																																																												
Model	<table border="1"> <thead> <tr> <th>Attributes</th> <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></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td></td> <td>optional</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>	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
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xlink:title	xlink:titleAttrType				optional																																																								
xlink:type	xlink:typeType	simple			optional																																																								

Element LockBasinPartType / geometry

Namespace	http://www.aho.int/S131/2.0
Diagram	<p>The diagram shows the UML class <code>geometry</code> which is the base class for <code>S100:pointProperty</code> and <code>S100:surfaceProperty</code>.</p>
Properties	content: complex maxOccurs: unbounded
Model	pointProperty surfaceProperty

Element MooringBuoyType / maximumPermittedDraught

Namespace	http://www.ihc.int/S131/2.0	
Diagram		
Type	maximumPermittedDraughtType	
Properties	content: simple minOccurs: 0 maxOccurs: 1	
Facets	maxInclusive 30 . 0 minExclusive 0 . 0	

Element MooringBuoyType / maximumPermittedVesselLength

Namespace	http://www.ihc.int/S131/2.0	
Diagram		
Type	maximumPermittedVesselLengthType	
Properties	content: simple minOccurs: 0 maxOccurs: 1	
Facets	minExclusive 0 . 0	

Element MooringBuoyType / verticalLength

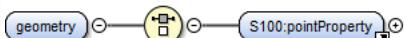
Namespace	http://www.ihc.int/S131/2.0	
Diagram		
Type	verticalLengthType	
Properties	content: simple minOccurs: 0 maxOccurs: 1	
Facets	minExclusive 0 . 0	

Element MooringBuoyType / visitorsMooring

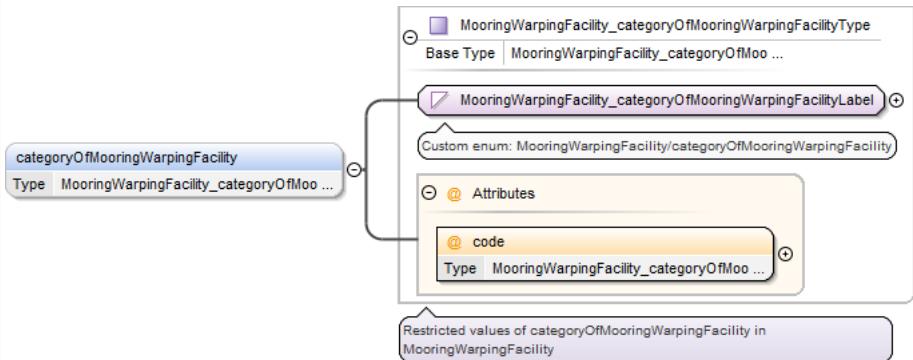
Namespace	http://www.ihc.int/S131/2.0	
Diagram		
Type	visitorsMooringType	
Properties	content: simple minOccurs: 0 maxOccurs: 1	

Element MooringBuoyType / geometry

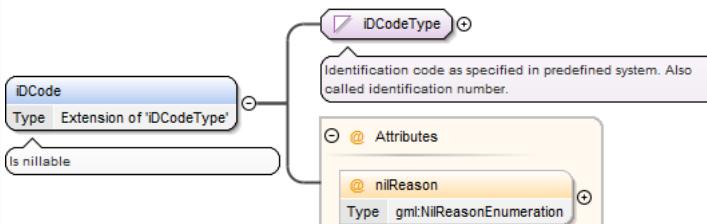
Namespace	http://www.ihc.int/S131/2.0	
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Diagram	
Properties	<p>content: complex</p> <p>maxOccurs: unbounded</p>
Model	pointProperty

Element MooringWarpingFacilityType / categoryOfMooringWarpingFacility

Namespace	http://www.ihoint/S131/2.0						
Diagram							
Type	MooringWarpingFacility_categoryOfMooringWarpingFacilityType						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> MooringWarpingFacility_categoryOfMooringWarpingFacilityLabel MooringWarpingFacility_categoryOfMooringWarpingFacilityType 						
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>MooringWarpingFacility_categoryOfMooringWarpingFacilityCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	MooringWarpingFacility_categoryOfMooringWarpingFacilityCode	required
QName	Type	Use					
code	MooringWarpingFacility_categoryOfMooringWarpingFacilityCode	required					

Element MooringWarpingFacilityType / iDCode

Namespace	http://www.ihoint/S131/2.0
Annotations	Is nullable
Diagram	
Type	extension of iDCodeType
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> iDCodeType
Properties	<p>content: complex</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p> <p>nullable: true</p>

Attributes	QName	Type	Use
	nilReason	gml:NilReasonEnumeration	optional

Element MooringWarpingFacilityType / bollardDescription

Namespace	http://www.ihc.int/S131/2.0						
Diagram							
Type	bollardDescriptionType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element MooringWarpingFacilityType / safeWorkingLoad

Namespace	http://www.ihc.int/S131/2.0						
Diagram							
Type	safeWorkingLoadType						
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 0.0						

Element MooringWarpingFacilityType / heavingLinesFromShore

Namespace	http://www.ihc.int/S131/2.0						
Diagram							
Type	heavingLinesFromShoreType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element MooringWarpingFacilityType / serviceDescriptionReference

Namespace	http://www.ihc.int/S131/2.0
Annotations	AvailablePortServices[0..1]

Diagram	<p>The diagram shows the <code>gml:ReferenceType</code> element. It has two attributes: <code>gml:OwnershipAttributeGroup</code> and <code>gml:AssociationAttributeGroup</code>. A note states: "Encoding a GML property inline vs. by-reference shall not imply anything about the 'ownership' of the contained or..." Another note states: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group...." A third note at the bottom states: "gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a..."</p>																																																		
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<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional																																															

Element MooringWarpingFacilityType / facilityOperatingHours

Namespace	http://www.ihoint/S131/2.0				
Annotations	<code>ServiceHours[0..1]</code>				
Diagram	<p>The diagram shows the <code>gml:ReferenceType</code> element. It has two attributes: <code>gml:OwnershipAttributeGroup</code> and <code>gml:AssociationAttributeGroup</code>. A note states: "Encoding a GML property inline vs. by-reference shall not imply anything about the 'ownership' of the contained or..." Another note states: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group...." A third note at the bottom states: "gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a..."</p>				
Type	<code>gml:ReferenceType</code>				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				

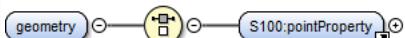
	maxOccurs:	1				
Model						
Attributes	QName	Type	Fixed	Default	Use	
	nilReason	gml:NilReasonType			optional	
	owns	boolean		false	optional	
	xlink:actuate	xlink:actuateType			optional	
	xlink:arcrole	xlink:arcroleType			optional	
	xlink:href	xlink:hrefType			optional	
	xlink:role	xlink:roleType			optional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

Element MooringWarpingFacilityType / primaryFacility

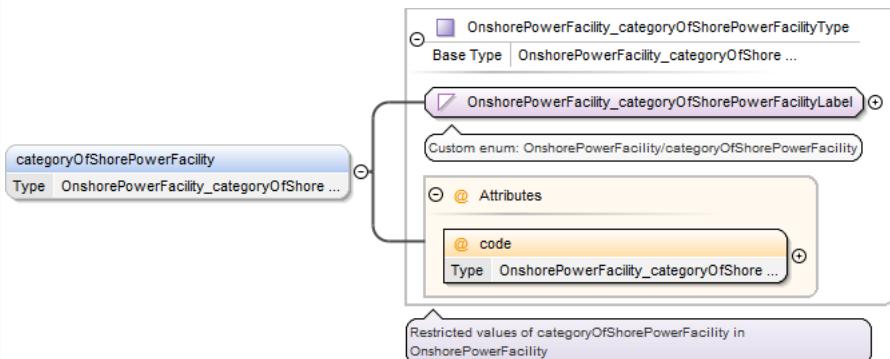
Namespace	http://www.ihc.int/S131/2.0																																																												
Annotations	AnchorBerth BerthPosition[0..1]																																																												
Diagram																																																													
Type	gml:ReferenceType																																																												
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"> <tr> <td>QName</td> <td>Type</td> <td>Fixed</td> <td>Default</td> <td>Use</td> <td></td> </tr> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> <td></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>optional</td> <td></td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td>xlink:href</td> <td>xlink:hrefType</td> <td></td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td>xlink:role</td> <td>xlink:roleType</td> <td></td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td>xlink:show</td> <td>xlink:showType</td> <td></td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td>xlink:title</td> <td>xlink:titleAttrType</td> <td></td> <td></td> <td>optional</td> <td></td> </tr> <tr> <td>xlink:type</td> <td>xlink:typeType</td> <td>simple</td> <td></td> <td>optional</td> <td></td> </tr> </table>	QName	Type	Fixed	Default	Use		nilReason	gml:NilReasonType			optional		owns	boolean		false	optional		xlink:actuate	xlink:actuateType			optional		xlink:arcrole	xlink:arcroleType			optional		xlink:href	xlink:hrefType			optional		xlink:role	xlink:roleType			optional		xlink:show	xlink:showType			optional		xlink:title	xlink:titleAttrType			optional		xlink:type	xlink:typeType	simple		optional	
QName	Type	Fixed	Default	Use																																																									
nilReason	gml:NilReasonType			optional																																																									
owns	boolean		false	optional																																																									
xlink:actuate	xlink:actuateType			optional																																																									
xlink:arcrole	xlink:arcroleType			optional																																																									
xlink:href	xlink:hrefType			optional																																																									
xlink:role	xlink:roleType			optional																																																									
xlink:show	xlink:showType			optional																																																									
xlink:title	xlink:titleAttrType			optional																																																									
xlink:type	xlink:typeType	simple		optional																																																									

Element MooringWarpingFacilityType / geometry

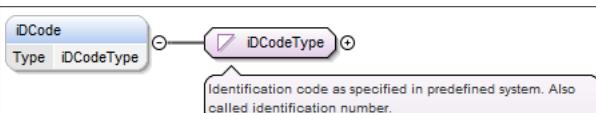
Namespace	http://www.ihc.int/S131/2.0
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Diagram	
Properties	<p>content: complex</p> <p>maxOccurs: unbounded</p>
Model	pointProperty

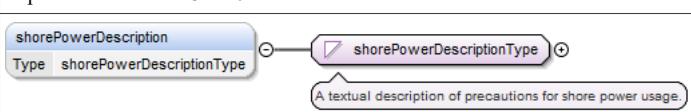
Element OnshorePowerFacilityType / categoryOfShorePowerFacility

Namespace	http://www.oho.int/S131/2.0						
Diagram							
Type	OnshorePowerFacility_categoryOfShorePowerFacilityType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • OnshorePowerFacility_categoryOfShorePowerFacilityLabel • OnshorePowerFacility_categoryOfShorePowerFacilityType 						
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>OnshorePowerFacility_categoryOfShorePowerFacilityCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	OnshorePowerFacility_categoryOfShorePowerFacilityCode	required
QName	Type	Use					
code	OnshorePowerFacility_categoryOfShorePowerFacilityCode	required					

Element OnshorePowerFacilityType / iDCode

Namespace	http://www.oho.int/S131/2.0
Diagram	
Type	iDCodeType
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>

Element OnshorePowerFacilityType / shorePowerDescription

Namespace	http://www.oho.int/S131/2.0
Diagram	
Type	shorePowerDescriptionType
Properties	<p>content: simple</p> <p>minOccurs: 0</p>

maxOccurs: 1

Element OnshorePowerFacilityType / categoryOfVoltage

Namespace	http://www.oho.int/S131/2.0								
Diagram	<pre> classDiagram class categoryOfVoltage { <<OnshorePowerFacility_categoryOfVoltageType>> } class OnshorePowerFacility_categoryOfVoltageType { <<Custom enum: OnshorePowerFacility/categoryOfVoltage>> } class code { <<OnshorePowerFacility_categoryOfVoltageCode>> } class label { <<OnshorePowerFacility_categoryOfVoltageLabel>> } categoryOfVoltage "1" -- "1" OnshorePowerFacility_categoryOfVoltageType : categoryOfVoltage "1" -- "1" code : categoryOfVoltage "1" -- "1" label : Note over categoryOfVoltage, OnshorePowerFacility_categoryOfVoltageType, code, label: Restricted values of categoryOfVoltage in OnshorePowerFacility </pre>								
Type	OnshorePowerFacility_categoryOfVoltageType								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • OnshorePowerFacility_categoryOfVoltageLabel • OnshorePowerFacility_categoryOfVoltageType 								
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> <th></th> </tr> </thead> <tbody> <tr> <td>code</td> <td>OnshorePowerFacility_categoryOfVoltageCode</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		code	OnshorePowerFacility_categoryOfVoltageCode	required	
QName	Type	Use							
code	OnshorePowerFacility_categoryOfVoltageCode	required							

Element OnshorePowerFacilityType / categoryOfFrequency

Namespace	http://www.aho.int/S131/2.0						
Diagram	<pre> classDiagram class categoryOfFrequency { <<OnshorePowerFacility_categoryOfFrequencyType>> } class OnshorePowerFacility { <<OnshorePowerFacility>> } categoryOfFrequency < -- OnshorePowerFacility categoryOfFrequency "1" --> OnshorePowerFacility categoryOfFrequency "1" --> OnshorePowerFacility_label categoryOfFrequency "1" --> attributes categoryOfFrequency "1" --> code class OnshorePowerFacility_label { <<OnshorePowerFacility_categoryOfFrequencyLabel>> } class attributes { <<@ Attributes>> } class code { <<@ code>> } Note over code: Restricted values of categoryOfFrequency in OnshorePowerFacility </pre>						
Type	OnshorePowerFacility_categoryOfFrequencyType						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> OnshorePowerFacility_categoryOfFrequencyLabel OnshorePowerFacility_categoryOfFrequencyType 						
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>OnshorePowerFacility_categoryOfFrequencyCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	OnshorePowerFacility_categoryOfFrequencyCode	required
QName	Type	Use					
code	OnshorePowerFacility_categoryOfFrequencyCode	required					

Element OnshorePowerFacilityType / categoryOfPlug

Namespace	http://www.ihc.int/S131/2.0						
Diagram	<pre> graph LR categoryOfPlug[categoryOfPlug Type] --- categoryOfPlugType[categoryOfPlugType Type] note[The type of plug(s) available at the power supply station.] </pre>						
Type	categoryOfPlugType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	unbounded
content:	simple						
minOccurs:	0						
maxOccurs:	unbounded						

Element OnshorePowerFacilityType / shorePowerServiceProvider

Namespace	http://www.ihc.int/S131/2.0						
Diagram	<pre> graph LR shorePowerServiceProvider[shorePowerServiceProvider Type] --- shorePowerServiceProviderType[shorePowerServiceProviderType Type] note[An entity that generates, sells, or is responsible for supplying shore power to vessels.] </pre>						
Type	shorePowerServiceProviderType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element OnshorePowerFacilityType / facilityOperatingHours

Namespace	http://www.ihc.int/S131/2.0																														
Annotations	ServiceHours[0..1]																														
Diagram	<p>facilityOperatingHours Type gml:ReferenceType</p> <p>ServiceHours[0..1]</p> <p>gml:ReferenceType</p> <p>Attributes</p> <ul style="list-style-type: none"> gml:OwnershipAttributeGroup gml:AssociationAttributeGroup <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	<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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Model																															
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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																											

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

Element OnshorePowerFacilityType / geometry

Namespace	http://www.ihc.int/S131/2.0
Diagram	<pre> graph LR geometry --> S100[geometry] S100 --> pointProperty[pointProperty] pointProperty --> geometry </pre>
Properties	content: complex maxOccurs: unbounded
Model	pointProperty

Element OuterLimitType / limitsDescription

Namespace	http://www.ihc.int/S131/2.0
Diagram	<pre> graph LR limitsDescription --> limitsDescriptionType limitsDescriptionType --> textContent </pre> <p>Description of the area covered by the information specified.</p>
Type	limitsDescriptionType
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	textContent+

Element OuterLimitType / markedBy

Namespace	http://www.ihc.int/S131/2.0
Diagram	<pre> graph LR markedBy --> markedByType markedByType --> textContent </pre> <p>Description of the aids to navigation used to mark an area or object.</p>
Type	markedByType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	textContent+

Element OuterLimitType / landmarkDescription

Namespace	http://www.ihc.int/S131/2.0
Diagram	<pre> graph LR landmarkDescription --> landmarkDescriptionType landmarkDescriptionType --> textContent </pre> <p>Textual description of selected landmarks that have significance in an area.</p>

Type	landmarkDescriptionType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	textContent+

Element OuterLimitType / offshoreMarkDescription

Namespace	http://www.ihc.int/S131/2.0
Diagram	<pre> classDiagram class offshoreMarkDescription { <<offshoreMarkDescriptionType>> } class textContent { <<textContentType>> } offshoreMarkDescription "0..1" --> "1..<<infinity>>" textContent </pre> <p>Description of aids to navigation or prominent marks located away from the shore.</p>
Type	offshoreMarkDescriptionType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	textContent+

Element OuterLimitType / majorLightDescription

Namespace	http://www.ihc.int/S131/2.0
Diagram	<pre> classDiagram class majorLightDescription { <<majorLightDescriptionType>> } class textContent { <<textContentType>> } majorLightDescription "0..1" --> "1..<<infinity>>" textContent </pre> <p>A description of navigationally significant lights essential for marking landfalls, offshore dangers, shipping routes,....</p>
Type	majorLightDescriptionType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	textContent+

Element OuterLimitType / usefulMarkDescription

Namespace	http://www.ihc.int/S131/2.0
Diagram	<pre> classDiagram class usefulMarkDescription { <<usefulMarkDescriptionType>> } class textContent { <<textContentType>> } usefulMarkDescription "0..1" --> "1..<<infinity>>" textContent </pre> <p>Description of Aids to Navigation or prominent marks which are usually clearly visible and identifiable enough to be...</p>
Type	usefulMarkDescriptionType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	textContent+

Element OuterLimitType / entranceReference

Namespace	http://www.ihc.int/S131/2.0
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Annotations	Entrance[0..1]																																																		
Diagram	<p>The diagram illustrates the UML class <code>gml:ReferenceType</code>. It has two attributes: <code>gml:OwnershipAttributeGroup</code> and <code>gml:AssociationAttributeGroup</code>. A relationship named <code>entranceReference</code> is defined with multiplicity <code>Entrance[0..1]</code>, pointing back to the <code>gml:ReferenceType</code> class.</p>																																																		
Type	<code>gml:ReferenceType</code>																																																		
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1																																												
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QName	Type	Fixed	Default	Use																																															
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<code>owns</code>	boolean		false	optional																																															
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<code>xlink:show</code>	<code>xlink:showType</code>			optional																																															
<code>xlink:title</code>	<code>xlink:titleAttrType</code>			optional																																															
<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional																																															

Element OuterLimitType / limitReference

Namespace	http://www.ihc.int/S131/2.0		
Annotations	HarbourAreaAdministrative[1..1]		
Diagram	<p>The diagram illustrates the UML class <code>gml:ReferenceType</code>. It has two attributes: <code>gml:OwnershipAttributeGroup</code> and <code>gml:AssociationAttributeGroup</code>. A relationship named <code>limitReference</code> is defined with multiplicity <code>HarbourAreaAdministrative[1..1]</code>, pointing back to the <code>gml:ReferenceType</code> class.</p>		
Type	<code>gml:ReferenceType</code>		
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> </table>	content:	complex
content:	complex		

	minOccurs:	1				
	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	

Element OuterLimitType / geometry

Namespace	http://www.ihc.int/S131/2.0				
Diagram	<pre> classDiagram class geometry class S100::curveProperty class S100::surfaceProperty geometry "1" -- "*" S100::curveProperty geometry "1" -- "*" S100::surfaceProperty </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	curveProperty surfaceProperty				

Element PilotBoardingPlaceType / depthsDescription

Namespace	http://www.ihc.int/S131/2.0						
Diagram	<pre> classDiagram class depthsDescriptionType class categoryOfDepthsDescription class textContent depthsDescriptionType "*" -- "*" categoryOfDepthsDescription : Type "Extension of 'depthsDescription_categoryOfDepthsDescriptionType'" categoryOfDepthsDescription "1..oo" -- "*" textContent : Type "textContentType" textContent --> stringText : Textual description of the characteristics and notable matters pertaining to depths in an area </pre>						
Type	depthsDescriptionType						
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	categoryOfDepthsDescription , textContent+						

Element PilotBoardingPlaceType / locationByText

Namespace	http://www.ihc.int/S131/2.0						
Diagram	<pre> classDiagram class locationByTextType class locationByText locationByTextType "*" -- "*" locationByText : Type "A textual rendering of a geographic location." </pre>						
Type	locationByTextType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element PilotBoardingPlaceType / pilotMovement

Namespace	http://www.ihc.int/S131/2.0						
Diagram	<pre> classDiagram class PilotBoardingPlace_pilotMovementType { <<Base Type>> PilotBoardingPlace_pilotMovementLabel PilotBoardingPlace_pilotMovementCode } class PilotBoardingPlace_pilotMovementLabel class PilotBoardingPlace_pilotMovementCode <<Custom enum: PilotBoardingPlace/pilotMovement>> <<@ Attributes>> <<@ code>> <<Restricted values of pilotMovement in PilotBoardingPlace>> </pre>						
Type	PilotBoardingPlace_pilotMovementType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • PilotBoardingPlace_pilotMovementLabel • PilotBoardingPlace_pilotMovementType 						
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>3</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	3
content:	complex						
minOccurs:	0						
maxOccurs:	3						
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					

Element PilotBoardingPlaceType / markedBy

Namespace	http://www.ihc.int/S131/2.0						
Diagram	<pre> classDiagram class markedByType { <<Base Type>> textContent } class textContent <<Description of the aids to navigation used to mark an area or object.>> </pre>						
Type	markedByType						
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	textContent+						

Element PilotBoardingPlaceType / iSPSLevel

Namespace	http://www.ihc.int/S131/2.0
Diagram	<pre> classDiagram class PilotBoardingPlace_iSPSLevelType { <<Base Type>> PilotBoardingPlace_iSPSLevelLabel PilotBoardingPlace_iSPSLevelCode } class PilotBoardingPlace_iSPSLevelLabel class PilotBoardingPlace_iSPSLevelCode <<Custom enum: PilotBoardingPlace/iSPSLevel>> <<@ Attributes>> <<@ code>> <<Restricted values of iSPSLevel in PilotBoardingPlace>> </pre>

Type	PilotBoardingPlace_iSPSLevelType		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • PilotBoardingPlace_iSPSLevelLabel • PilotBoardingPlace_iSPSLevelType 		
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>		
Attributes	QName	Type	Use
	code	PilotBoarding-Place_iSPSLevelCode	required

Element PilotBoardingPlaceType / facilityOperatingHours

Namespace	http://www.iho.int/S131/2.0				
Annotations	ServiceHours[0..1]				
Diagram					
Type	gml:ReferenceType				
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>				
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

Element PilotBoardingPlaceType / componentOf

Namespace	http://www.iho.int/S131/2.0		
Annotations	HarbourAreaSection[1..1]		

Diagram	<p>The diagram shows the schema element <code>gml:ReferenceType</code>. It has two attribute groups: <code>gml:OwnershipAttributeGroup</code> and <code>gml:AssociationAttributeGroup</code>. There is also a note about encoding properties inline vs. by-reference. A relationship named <code>componentOf</code> connects it to <code>HarbourAreaSection[1..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>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1																																												
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Element PilotBoardingPlaceType / geometry

Namespace	http://www.ihoint/S131/2.0				
Diagram	<p>The diagram shows the schema element <code>geometry</code>. It has two properties: <code>S100:surfaceProperty</code> and <code>S100:pointProperty</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>surfaceProperty pointProperty</code>				

Element SeaplaneLandingAreaType / depthsDescription

Namespace	http://www.ihoint/S131/2.0
Diagram	<p>The diagram shows the schema element <code>depthsDescription</code>. It has a property <code>categoryOfDepthsDescription</code> which is an extension of <code>depthsDescription_categoryOfDepthsDescriptionType</code>. It also has a note about being nullable and a relationship <code>textContent</code> with type <code>textContentType</code>. A general note states: "Textual description of the characteristics and notable matters pertaining to depths in an area."</p>

Type	depthsDescriptionType
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	categoryOfDepthsDescription , textContent+

Element SeaplaneLandingAreaType / locationByText

Namespace	http://www.ihc.int/S131/2.0
Diagram	
Type	locationByTextType
Properties	content: simple minOccurs: 0 maxOccurs: 1

Element SeaplaneLandingAreaType / markedBy

Namespace	http://www.ihc.int/S131/2.0
Diagram	
Type	markedByType
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	textContent+

Element SeaplaneLandingAreaType / iSPSLevel

Namespace	http://www.ihc.int/S131/2.0
Diagram	
Type	SeaplaneLandingArea_iSPSLevelType
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • SeaplaneLandingArea_iSPSLevelLabel • SeaplaneLandingArea_iSPSLevelType
Properties	content: complex

	minOccurs:	0	
	maxOccurs:	1	
Attributes	QName	Type	Use
	code	SeaplaneLandingArea_iSPSLevelCode	required

Element SeaplaneLandingAreaType / facilityOperatingHours

Namespace	http://www.ihc.int/S131/2.0																																																		
Annotations	ServiceHours[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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Element SeaplaneLandingAreaType / componentOf

Namespace	http://www.ihc.int/S131/2.0
Annotations	HarbourAreaSection[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																																												
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xlink:show	xlink:showType			optional																																															
xlink:title	xlink:titleAttrType			optional																																															
xlink:type	xlink:typeType	simple		optional																																															

Element SeaplaneLandingAreaType / geometry

Namespace	http://www.ihc.int/S131/2.0				
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 pointProperty				

Element ShipLiftType / verticalClearanceValue

Namespace	http://www.ihc.int/S131/2.0						
Diagram							
Type	verticalClearanceValueType						
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	maxInclusive	100.0
	minInclusive	0.1

Element **ShipLiftType / facilityOperatingHours**

Namespace	http://www.ih0.int/S131/2.0																																																			
Annotations	ServiceHours[0..1]																																																			
Diagram	<p>The diagram illustrates the UML representation of the element. It shows a class named 'facilityOperatingHours' with a multiplicity of '0..1'. An association line connects it to a class named 'gml:ReferenceType', which has a multiplicity of '0..1'. The 'gml:ReferenceType' class contains two attribute groups: 'gml:OwnershipAttributeGroup' and 'gml:AssociationAttributeGroup'. A note associated with the 'gml:ReferenceType' class 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...'.</p>																																																			
Type	gml:ReferenceType																																																			
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>		content:	complex	minOccurs:	0	maxOccurs:	1																																												
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Element **ShipLiftType / geometry**

Namespace	http://www.ih0.int/S131/2.0					
Diagram	<p>The diagram illustrates the UML representation of the element. It shows a class named 'geometry' with a multiplicity of '0..1'. An association line connects it to two classes: 'S100:pointProperty' and 'S100:surfaceProperty', both with a multiplicity of '0..1'. A note associated with the 'geometry' class states: 'pointProperty surfaceProperty'.</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	pointProperty surfaceProperty					

Element **StraddleCarrierType / facilityOperatingHours**

Namespace	http://www.ih0.int/S131/2.0	
Annotations	ServiceHours[0..1]	

Diagram																																																													
Type	gml:ReferenceType																																																												
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1																																																						
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xlink:type	xlink:typeType	simple			optional																																																								

Element straddleCarrierType / geometry

Namespace	http://www.ihc.int/S131/2.0				
Diagram					
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	maxOccurs:	unbounded
content:	complex				
maxOccurs:	unbounded				
Model	pointProperty surfaceProperty				

Element TerminalType / portFacilityNumber

Namespace	http://www.ihc.int/S131/2.0						
Diagram							
Type	portFacilityNumberType						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">simple</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element TerminalType / categoryOfTerminal

Namespace	http://www.oho.int/S131/2.0											
Diagram	<pre> classDiagram class categoryOfTerminal { <<Type Terminal_categoryOfTerminalType>> } class Terminal_categoryOfTerminalType { <<Base Type Terminal_categoryOfTerminalLabel>> <<Custom enum: Terminal/categoryOfTerminal>> <<Attributes>> <<@ code Type Terminal_categoryOfTerminalCode>> } categoryOfTerminal < -- Terminal_categoryOfTerminalType note over categoryOfTerminal: Restricted values of categoryOfTerminal in Terminal </pre>											
Type	Terminal_categoryOfTerminalType											
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • Terminal_categoryOfTerminalLabel • Terminal_categoryOfTerminalType 											
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> <td></td> </tr> <tr> <td>minOccurs:</td> <td>0</td> <td></td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> <td></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>Terminal_categoryOfTerminalCode</td> <td>required</td> </tr> </tbody> </table>			QName	Type	Use	code	Terminal_categoryOfTerminalCode	required			
QName	Type	Use										
code	Terminal_categoryOfTerminalCode	required										

Element TerminalType / categoryOfCargo

Namespace	http://www.oho.int/S131/2.0											
Diagram	<pre> classDiagram class categoryOfCargo { <<Type Terminal_categoryOfCargoType>> } class Terminal_categoryOfCargoType { <<Base Type Terminal_categoryOfCargoLabel>> <<Custom enum: Terminal/categoryOfCargo>> <<Attributes>> <<@ code Type Terminal_categoryOfCargoCode>> } categoryOfCargo < -- Terminal_categoryOfCargoType note over categoryOfCargo: Restricted values of categoryOfCargo in Terminal </pre>											
Type	Terminal_categoryOfCargoType											
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • Terminal_categoryOfCargoLabel • Terminal_categoryOfCargoType 											
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> <td></td> </tr> <tr> <td>minOccurs:</td> <td>0</td> <td></td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> <td></td> </tr> </table>			content:	complex		minOccurs:	0		maxOccurs:	unbounded	
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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>Terminal_categoryOfCargoCode</td> <td>required</td> </tr> </tbody> </table>			QName	Type	Use	code	Terminal_categoryOfCargoCode	required			
QName	Type	Use										
code	Terminal_categoryOfCargoCode	required										

Element TerminalType / product

Namespace	http://www.oho.int/S131/2.0		
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Diagram	<pre> classDiagram class Terminal_productType { <<Base Type Terminal_productLabel>> <<Custom enum: Terminal/product>> <<Attributes>> @ code Type Terminal_productCode } product --> Terminal_productType </pre> <p>Restricted values of product in Terminal</p>						
Type	Terminal_productType						
Type hierarchy	<ul style="list-style-type: none"> xs:string Terminal_productLabel Terminal_productType 						
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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QName	Type	Use					
code	Terminal_productCode	required					

Element TerminalType / terminalIdentifier

Namespace	http://www.oho.int/S131/2.0						
Diagram	<pre> classDiagram class terminalIdentifierType { <<The unique identifier for a given terminal.>> } </pre>						
Type	terminalIdentifierType						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element TerminalType / sMDGTerminalCode

Namespace	http://www.oho.int/S131/2.0						
Diagram	<pre> classDiagram class sMDGTerminalCodeType { <<A code from the SMDG (Ship Message Design Group) Terminal Code List.>> } </pre>						
Type	sMDGTerminalCodeType						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element TerminalType / uNLocationCode

Namespace	http://www.oho.int/S131/2.0
Diagram	<pre> classDiagram class uNLocationCodeType { <<Used to encode the UN Location Code (http://www.unece.org/cefact/locode/service/location.html) or - in Europe - the...>> } uNLocationCode --> uNLocationCodeType </pre>
Type	uNLocationCodeType

Properties	content: simple minOccurs: 0 maxOccurs: 1
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Element TerminalType / serviceDescriptionReference

Namespace	http://www.iho.int/S131/2.0																																																		
Annotations	AvailablePortServices[0..1]																																																		
Diagram																																																			
Type	gml:ReferenceType																																																		
Properties	content: complex minOccurs: 0 maxOccurs: 1																																																		
Model																																																			
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xlink:title	xlink:titleAttrType			optional																																															
xlink:type	xlink:typeType	simple		optional																																															

Element TerminalType / facilityOperatingHours

Namespace	http://www.iho.int/S131/2.0
Annotations	ServiceHours[0..1]

Diagram	<p>The diagram illustrates the structure of the <code>gml:ReferenceType</code> element. It shows the element itself with its type <code>gml:ReferenceType</code>. Below it is a <code>ServiceHours[0..1]</code> element. Two arrows point from the <code>ServiceHours</code> element to two attribute groups: <code>gml:OwnershipAttributeGroup</code> and <code>gml:AssociationAttributeGroup</code>. A callout box for <code>gml:OwnershipAttributeGroup</code> states: "Encoding a GML property inline vs. by-reference shall not imply anything about the 'ownership' of the contained or...". A callout box for <code>gml:AssociationAttributeGroup</code> states: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group....". A final callout box at the bottom states: "gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a...".</p>																																																		
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<code>xlink:type</code>	<code>xlink:typeType</code>	simple		optional																																															

Element TerminalType / componentOf

Namespace	http://www.ihc.int/S131/2.0				
Annotations	<code>HarbourAreaSection[1..1]</code>				
Diagram	<p>The diagram illustrates the structure of the <code>componentOf</code> element. It shows the element itself with its type <code>gml:ReferenceType</code>. Below it is a <code>HarbourAreaSection[1..1]</code> element. Two arrows point from the <code>HarbourAreaSection</code> element to two attribute groups: <code>gml:OwnershipAttributeGroup</code> and <code>gml:AssociationAttributeGroup</code>. A callout box for <code>gml:OwnershipAttributeGroup</code> states: "Encoding a GML property inline vs. by-reference shall not imply anything about the 'ownership' of the contained or...". A callout box for <code>gml:AssociationAttributeGroup</code> states: "XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group....". A final callout box at the bottom states: "gml:ReferenceType is intended to be used in application schemas directly, if a property element shall use a...".</p>				
Type	<code>gml:ReferenceType</code>				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1
content:	complex				
minOccurs:	1				

	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	

Element TerminalType / layoutUnit

Namespace	http://www.iho.int/S131/2.0											
Annotations	Berth[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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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							

Element TerminalType / hasInfrastructure

Namespace	http://www.iho.int/S131/2.0					
Annotations	HarbourPhysicalInfrastructure[0..*]					

Diagram																																																			
Type	gml:ReferenceType																																																		
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded																																												
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Element TerminalType / geometry

Namespace	http://www.ihoint/S131/2.0				
Diagram					
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	maxOccurs:	unbounded
content:	complex				
maxOccurs:	unbounded				
Model	pointProperty surfaceProperty				

Element TurningBasinType / depthsDescription

Namespace	http://www.ihoint/S131/2.0
Diagram	

Type	depthsDescriptionType
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	categoryOfDepthsDescription , textContent+

Element TurningBasinType / locationByText

Namespace	http://www.ihodata.org/S131/2.0
Diagram	
Type	locationByTextType
Properties	content: simple minOccurs: 0 maxOccurs: 1

Element TurningBasinType / markedBy

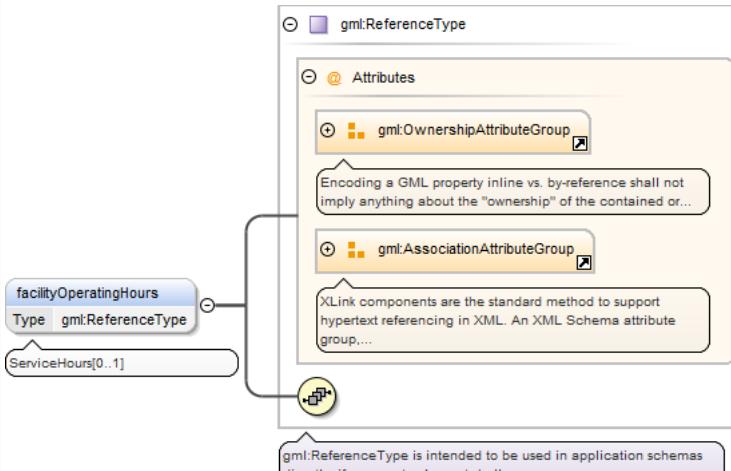
Namespace	http://www.ihodata.org/S131/2.0
Diagram	
Type	markedByType
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	textContent+

Element TurningBasinType / iSPSLevel

Namespace	http://www.ihodata.org/S131/2.0
Diagram	
Type	TurningBasin_iSPSLevelType
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • TurningBasin_iSPSLevelLabel • TurningBasin_iSPSLevelType
Properties	content: complex

	minOccurs:	0	
	maxOccurs:	1	
Attributes	QName	Type	Use
	code	TurningBasin_iSPSLevelCode	required

Element TurningBasinType / facilityOperatingHours

Namespace	http://www.ihc.int/S131/2.0																																																		
Annotations	ServiceHours[0..1]																																																		
Diagram																																																			
Type	gml:ReferenceType																																																		
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Element TurningBasinType / componentOf

Namespace	http://www.ihc.int/S131/2.0
Annotations	HarbourAreaSection[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																																												
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xlink:title	xlink:titleAttrType			optional																																															
xlink:type	xlink:typeType	simple		optional																																															

Element TurningBasinType / geometry

Namespace	http://www.ihc.int/S131/2.0				
Diagram					
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	complex	maxOccurs:	unbounded
content:	complex				
maxOccurs:	unbounded				
Model	surfaceProperty				

Element WaterwayAreaType / categoryOfPortSection

Namespace	http://www.ihc.int/S131/2.0
Diagram	

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

Element WaterwayAreaType / depthsDescription

Namespace	http://www.ihc.int/S131/2.0
Diagram	<pre> classDiagram class depthsDescription { <<Type depthsDescriptionType>> } class depthsDescriptionType { <<Type depthsDescriptionType>> } class categoryOfDepthsDescription { <<Type Extension of 'depthsDescription_categoryOfDepthsDescriptionType'>> } class textContent { <<Type textContentType>> } depthsDescription "0..1" --> "1..<<1..>>" depthsDescriptionType depthsDescriptionType "0..1" --> "1..<<1..>>" categoryOfDepthsDescription depthsDescriptionType "0..1" --> "1..<<1..>>" textContent categoryOfDepthsDescription "0..1" --> "1..<<1..>>" textContent </pre> <p>Textual description of the characteristics and notable matters pertaining to depths in an area.</p>
Type	depthsDescriptionType
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Model	categoryOfDepthsDescription , textContent+

Element WaterwayAreaType / locationByText

Namespace	http://www.ihc.int/S131/2.0
Diagram	<pre> classDiagram class locationByText { <<Type locationByTextType>> } class locationByTextType { <<Type locationByTextType>> } locationByText "0..1" --> "1..<<1..>>" locationByTextType </pre> <p>A textual rendering of a geographic location.</p>
Type	locationByTextType
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>

Element WaterwayAreaType / markedBy

Namespace	http://www.ihc.int/S131/2.0
Diagram	<pre> classDiagram class markedBy { <<Type markedByType>> } class markedByType { <<Type markedByType>> } class textContent { <<Type textContentType>> } markedBy "0..1" --> "1..<<1..>>" markedByType markedByType "0..1" --> "1..<<1..>>" textContent </pre> <p>Description of the aids to navigation used to mark an area or object.</p>
Type	markedByType
Properties	<p>content: complex</p>

	minOccurs:	0
	maxOccurs:	1
Model	textContent+	

Element WaterwayAreaType / facilityOperatingHours

Namespace	http://www.aho.int/S131/2.0																																																			
Annotations	ServiceHours[0..1]																																																			
Diagram	<p>The diagram illustrates the schema definition for the <code>facilityOperatingHours</code> element. It is defined as a type of <code>gml:ReferenceType</code>. The <code>gml:ReferenceType</code> type has a <code>ServiceHours[0..1]</code> annotation. Inside the <code>gml:ReferenceType</code> box, there are two attribute groups: <code>gml:OwnershipAttributeGroup</code> and <code>gml:AssociationAttributeGroup</code>. A callout box provides a detailed explanation of the <code>gml:ReferenceType</code> type, stating that it is intended to be used in application schemas directly if a property element shall use it.</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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Element WaterwayAreaType / componentOf

Namespace	http://www.aho.int/S131/2.0	
Annotations	HarbourAreaSection[1..1]	

Diagram																																																													
Type	gml:ReferenceType																																																												
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1																																																						
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Element WaterwayAreaType / geometry

Namespace	http://www.ihoint/S131/2.0				
Diagram					
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">complex</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">unbounded</td></tr> </table>	content:	complex	maxOccurs:	unbounded
content:	complex				
maxOccurs:	unbounded				
Model	surfaceProperty				

Element DataCoverageType / maximumDisplayScale

Namespace	http://www.ihoint/S131/2.0						
Annotations	Not nullable						
Diagram							
Type	maximumDisplayScaleType						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td><td style="padding: 2px;">simple</td></tr> <tr> <td style="padding: 2px;">minOccurs:</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;">maxOccurs:</td><td style="padding: 2px;">1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	minInclusive 1						

Element DataCoverageType / minimumDisplayScale

Namespace	http://www.ihc.int/S131/2.0														
Annotations	Is nullable														
Diagram	<pre> graph LR minDispScale[minimumDisplayScale] --> minDispScaleType[minimumDisplayScaleType] minDispScaleType --> desc["The smallest intended viewing scale for the data."] minDispScaleType --> nilReason["@ nilReason
Type: gmt:NilReasonEnumeration"] minDispScaleType --> isNullable["Is nullable"] </pre>														
Type	extension of minimumDisplayScaleType														
Type hierarchy	<ul style="list-style-type: none"> xs:integer minimumDisplayScaleType 														
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> <td></td> </tr> <tr> <td>minOccurs:</td> <td>1</td> <td></td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> <td></td> </tr> <tr> <td>nillable:</td> <td>true</td> <td></td> </tr> </table>			content:	complex		minOccurs:	1		maxOccurs:	1		nillable:	true	
content:	complex														
minOccurs:	1														
maxOccurs:	1														
nillable:	true														
Attributes	QName	Type	Use												
	nilReason	gml:NilReasonEnumeration	optional												

Element DataCoverageType / optimumDisplayScale

Namespace	http://www.ihc.int/S131/2.0											
Diagram	<pre> graph LR optDispScale[optimumDisplayScale] --> optDispScaleType[optimumDisplayScaleType] optDispScaleType --> desc["The largest intended viewing scale for the data."] </pre>											
Type	optimumDisplayScaleType											
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> <td></td> </tr> <tr> <td>minOccurs:</td> <td>0</td> <td></td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> <td></td> </tr> </table>			content:	simple		minOccurs:	0		maxOccurs:	1	
content:	simple											
minOccurs:	0											
maxOccurs:	1											
Facets	minInclusive 1											

Element DataCoverageType / interoperabilityIdentifier

Namespace	http://www.ihc.int/S131/2.0											
Diagram	<pre> graph LR interoperabilityIdentifier[interoperabilityIdentifier] --> interoperabilityIdentifierType[interoperabilityIdentifierType] interoperabilityIdentifierType --> desc["A common unique identifier for entities which describe a single real-world feature, and which is used to identify..."] </pre>											
Type	interoperabilityIdentifierType											
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> <td></td> </tr> <tr> <td>minOccurs:</td> <td>0</td> <td></td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> <td></td> </tr> </table>			content:	simple		minOccurs:	0		maxOccurs:	unbounded	
content:	simple											
minOccurs:	0											
maxOccurs:	unbounded											

Element DataCoverageType / geometry

Namespace	http://www.ihc.int/S131/2.0								
Diagram	<pre> graph LR geometry[geometry] --> surfaceProperty[S100:surfaceProperty] surfaceProperty --> desc["S100:surfaceProperty"] </pre>								
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> <td></td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> <td></td> </tr> </table>			content:	complex		maxOccurs:	unbounded	
content:	complex								
maxOccurs:	unbounded								
Model	surfaceProperty								

Element QualityOfNonBathymetricDataType / categoryOfTemporalVariation

Namespace	http://www.ihc.int/S131/2.0						
Diagram	<p>The diagram illustrates the structure of the <code>categoryOfTemporalVariation</code> element. It shows the <code>QualityOfNonBathymetricData_categoryOfTemporalVariationType</code> base type, a <code>QualityOfNonBathymetricData_categoryOfTemporalVariationLabel</code> custom enum, attributes including <code>code</code>, and a note about restricted values.</p>						
Type	<code>QualityOfNonBathymetricData_categoryOfTemporalVariationType</code>						
Type hierarchy	<ul style="list-style-type: none"> <code>xs:string</code> <code>QualityOfNonBathymetricData_categoryOfTemporalVariationLabel</code> <code>QualityOfNonBathymetricData_categoryOfTemporalVariationType</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						
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>QualityOfNonBathymetricData_categoryOfTemporalVariationCode</code></td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	<code>code</code>	<code>QualityOfNonBathymetricData_categoryOfTemporalVariationCode</code>	required
QName	Type	Use					
<code>code</code>	<code>QualityOfNonBathymetricData_categoryOfTemporalVariationCode</code>	required					

Element QualityOfNonBathymetricDataType / horizontalDistanceUncertainty

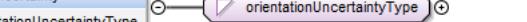
Namespace	http://www.ihc.int/S131/2.0						
Diagram	<p>The diagram shows the <code>horizontalDistanceUncertainty</code> element, which is of type <code>horizontalDistanceUncertaintyType</code>. A note specifies that it represents the best estimate of the horizontal accuracy of horizontal clearances and distances.</p>						
Type	<code>horizontalDistanceUncertaintyType</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						
Facets	<table border="1"> <tr> <td>minInclusive</td> <td>0</td> </tr> </table>	minInclusive	0				
minInclusive	0						

Element QualityOfNonBathymetricDataType / horizontalPositionUncertainty

Namespace	http://www.ihc.int/S131/2.0				
Diagram	<p>The diagram shows the <code>horizontalPositionUncertainty</code> element, which is of type <code>horizontalPositionUncertaintyType</code>. A note specifies that it represents the best estimate of the accuracy of a position. The type includes attributes for uncertaintyFixed and uncertaintyVariableFactor.</p>				
Type	<code>horizontalPositionUncertaintyType</code>				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				

	maxOccurs:	1
Model	uncertaintyFixed , uncertaintyVariableFactor{0,1}	

Element QualityOfNonBathymetricDataType / orientationUncertainty

Namespace	http://www.ihc.int/S131/2.0
Diagram	 <pre> classDiagram orientationUncertainty "Type" --> orientationUncertaintyType "Type" noteUnder(orientationUncertaintyType) { (The best estimate of the accuracy of a bearing.) } </pre>
Type	orientationUncertaintyType
Properties	content: simple minOccurs: 0 maxOccurs: 1
Facets	maxExclusive 360.000 minInclusive 0.000

Element QualityOfNonBathymetricDataType / interoperabilityIdentifier

Namespace	http://www.ihc.int/S131/2.0						
Diagram	 <pre> classDiagram class interoperabilityIdentifier { Type interoperabilityIdentifierType } interoperabilityIdentifier "1" -- "*" interoperabilityIdentifierType </pre> <p>A common unique identifier for entities which describe a single real-world feature, and which is used to identify...</p>						
Type	interoperabilityIdentifierType						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	unbounded
content:	simple						
minOccurs:	0						
maxOccurs:	unbounded						

Element QualityOfNonBathymetricDataType / sourceIndication

Namespace	http://www.ihc.int/S131/2.0						
Diagram	<pre> classDiagram sourceIndicationType < -- sourceIndication 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..>> featureName : featureNameType } </pre>						
Type	sourceIndicationType						
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>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*						

Element QualityOfNonBathymetricDataType / surveyDateRange

Namespace	http://www.ihodata.org/S131/2.0						
Diagram	<pre> classDiagram surveyDateRangeType < -- surveyDateRange surveyDateRangeType < -- dateStart : dateStartType surveyDateRangeType < -- dateEnd : Extension of 'dateEndType' note "The complex attribute describes the period of the hydrographic survey, as the time between its sub-attributes." </pre>						
Type	surveyDateRangeType						
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						

Element QualityOfNonBathymetricDataType / verticalUncertainty

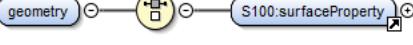
Namespace	http://www.ihodata.org/S131/2.0						
Diagram	<pre> classDiagram verticalUncertaintyType < -- verticalUncertainty verticalUncertaintyType < -- uncertaintyFixed : Extension of 'uncertaintyFixedType' verticalUncertaintyType < -- uncertaintyVariableFactor : uncertaintyVariableFactorType note "The best estimate of the vertical accuracy of depths, heights, vertical distances and vertical clearances." </pre>						
Type	verticalUncertaintyType						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	uncertaintyFixed , uncertaintyVariableFactor{0,1}						

Element QualityOfNonBathymetricDataType / information

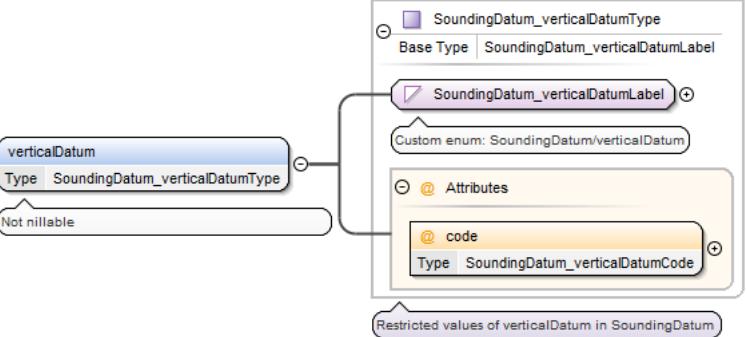
Namespace	http://www.ihodata.org/S131/2.0
Diagram	<pre> classDiagram informationType < -- information informationType < -- fileLocator : fileLocatorType informationType < -- fileReference : fileReferenceType informationType < -- headline : headlineType informationType < -- language : languageType informationType < -- text : textType note "Textual information about the feature. The information may be provided as a string of text or as a file name of a..." </pre>

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

Element QualityOfNonBathymetricDataType / geometry

Namespace	http://www.ihodata.org/S131/2.0
Diagram	
Properties	content: complex maxOccurs: unbounded
Model	surfaceProperty

Element SoundingDatumType / verticalDatum

Namespace	http://www.ihodata.org/S131/2.0						
Annotations	Not nullable						
Diagram							
Type	SoundingDatum_verticalDatumType						
Type hierarchy	<ul style="list-style-type: none"> xs:string SoundingDatum_verticalDatumLabel SoundingDatum_verticalDatumType 						
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>SoundingDatum_verticalDatumCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	SoundingDatum_verticalDatumCode	required
QName	Type	Use					
code	SoundingDatum_verticalDatumCode	required					

Element SoundingDatumType / information

Namespace	http://www.ihodata.org/S131/2.0
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Diagram	
Type	informationType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	fileLocator{0,1} , fileReference{0,1} , headline* , language{0,1} , text{0,1}

Element SoundingDatumType / geometry

Namespace	http://www.ihc.int/S131/2.0
Diagram	
Properties	content: complex maxOccurs: unbounded
Model	surfaceProperty

Element VerticalDatumOfDataType / verticalDatum

Namespace	http://www.ihc.int/S131/2.0
Annotations	Not nullable
Diagram	
Type	VerticalDatumOfData_verticalDatumType
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • VerticalDatumOfData_verticalDatumLabel • VerticalDatumOfData_verticalDatumType
Properties	content: complex minOccurs: 1 maxOccurs: 1

Attributes	QName	Type	Use
	code	VerticalDatumOfDataType_verticalDatumCode	required

Element VerticalDatumOfDataType / information

Namespace	http://www.ihodata.org/S131/2.0						
Diagram	<pre> classDiagram class informationType { fileLocator : fileLocatorType fileReference : fileReferenceType headline : headlineType language : languageType text : textType } class information { <<informationType>> } information < -- informationType </pre> <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}						

Element VerticalDatumOfDataType / geometry

Namespace	http://www.ihodata.org/S131/2.0				
Diagram	<pre> classDiagram class geometry { S100:surfaceProperty } </pre>				
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	maxOccurs:	unbounded
content:	complex				
maxOccurs:	unbounded				
Model	surfaceProperty				

Element TextPlacementType / textOffsetBearing

Namespace	http://www.ihodata.org/S131/2.0						
Annotations	Not nullable						
Diagram	<pre> classDiagram class textOffsetBearing { textOffsetBearingType } class textOffsetBearingType { <<textOffsetBearing>> } textOffsetBearing < -- textOffsetBearingType </pre> <p>Not nullable</p> <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> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table> <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						

Element TextPlacementType / textOffsetDistance

Namespace	http://www.ihodata.org/S131/2.0
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Annotations	Not nullable						
Diagram	<p>The diagram shows a class named 'textOffsetDistance' with an association to another class named 'textOffsetDistanceType'. A note below 'textOffsetDistance' states 'Not nullable'. A note below 'textOffsetDistanceType' defines it as '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> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
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						

Element TextPlacementType / textRotation

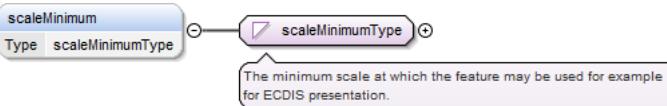
Namespace	http://www.ihoint/S131/2.0						
Diagram	<p>The diagram shows a class named 'textRotation' with an association to another class named 'textRotationType'. A note below 'textRotation' states 'A statement that expresses if text associated with a feature is to be rotated in the ECDIS display or not.'</p>						
Type	textRotationType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element TextPlacementType / textType

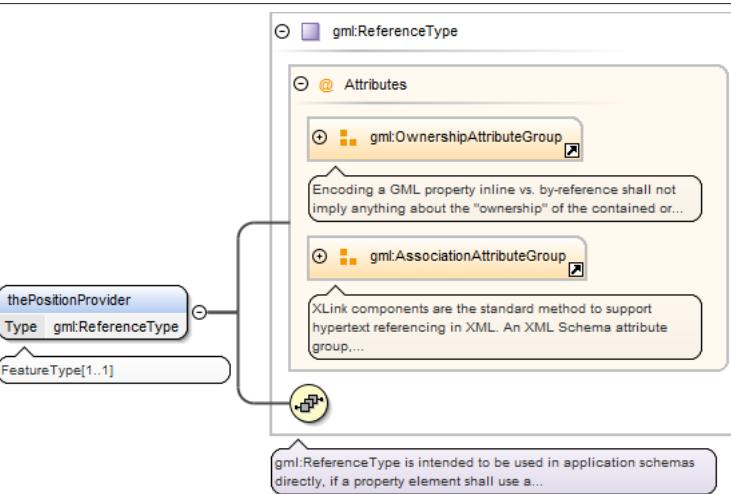
Namespace	http://www.ihoint/S131/2.0						
Annotations	Not nullable						
Diagram	<p>The diagram shows a class named 'textType' with an association to another class named 'TextPlacement_textTypeType'. A note below 'textType' states 'Not nullable'. A note below 'TextPlacement_textTypeType' defines it as 'Base Type TextPlacement_textTypeLabel'. It also shows 'TextPlacement_textTypeLabel' as a custom enum and 'TextPlacement_textTypeCode' as an attribute.</p>						
Type	TextPlacement_textTypeType						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • TextPlacement_textTypeLabel • TextPlacement_textTypeType 						
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>2</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	2
content:	complex						
minOccurs:	1						
maxOccurs:	2						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>TextPlacement_textTypeCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	TextPlacement_textTypeCode	required
QName	Type	Use					
code	TextPlacement_textTypeCode	required					

Element TextPlacementType / scaleMinimum

Namespace	http://www.ihoint/S131/2.0
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Diagram							
Type	scaleMinimumType						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Element TextPlacementType / thePositionProvider

Namespace	http://www.ih0.int/S131/2.0																																																		
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																																															

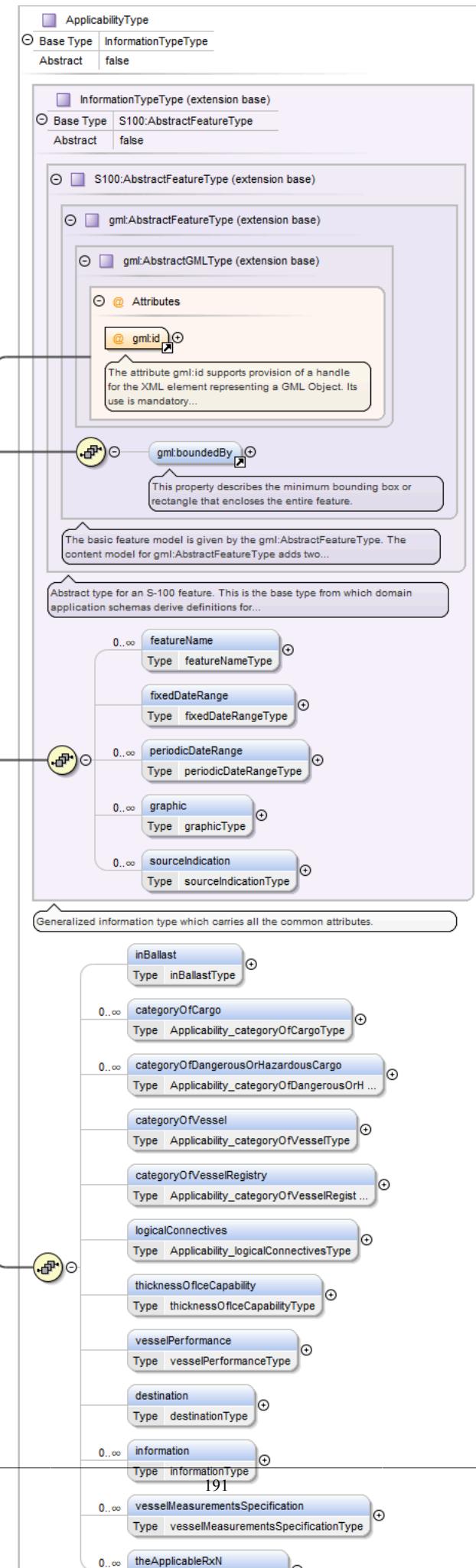
Element TextPlacementType / geometry

Namespace	http://www.ih0.int/S131/2.0				
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				

Element Applicability

Namespace	http://www.ihc.int/S131/2.0
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Diagram

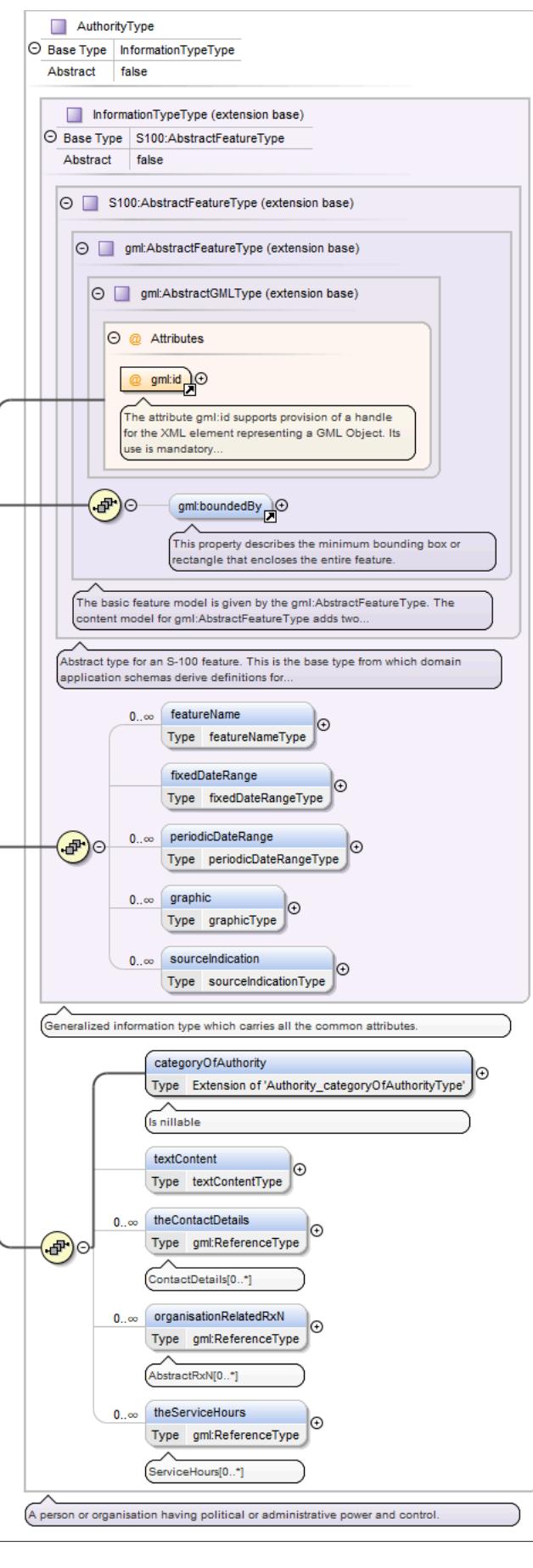


Type	ApplicabilityType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType <ul style="list-style-type: none"> • InformationTypeType • ApplicabilityType 										
Properties	content: complex										
Used by	Element Group MemberObjects										
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication* , inBallast{0,1} , categoryOfCargo* , categoryOfDangerousOrHazardousCargo* , categoryOfVessel{0,1} , categoryOfVesselRegistry{0,1} , logicalConnectives{0,1} , thicknessOfIceCapability{0,1} , vesselPerformance{0,1} , destination{0,1} , information* , vesselMeasurementsSpecification* , theApplicableRxN*										
Attributes	<table border="1" style="width: 100%; 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									

Element Authority

Namespace	http://www.ihc.int/S131/2.0
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Diagram

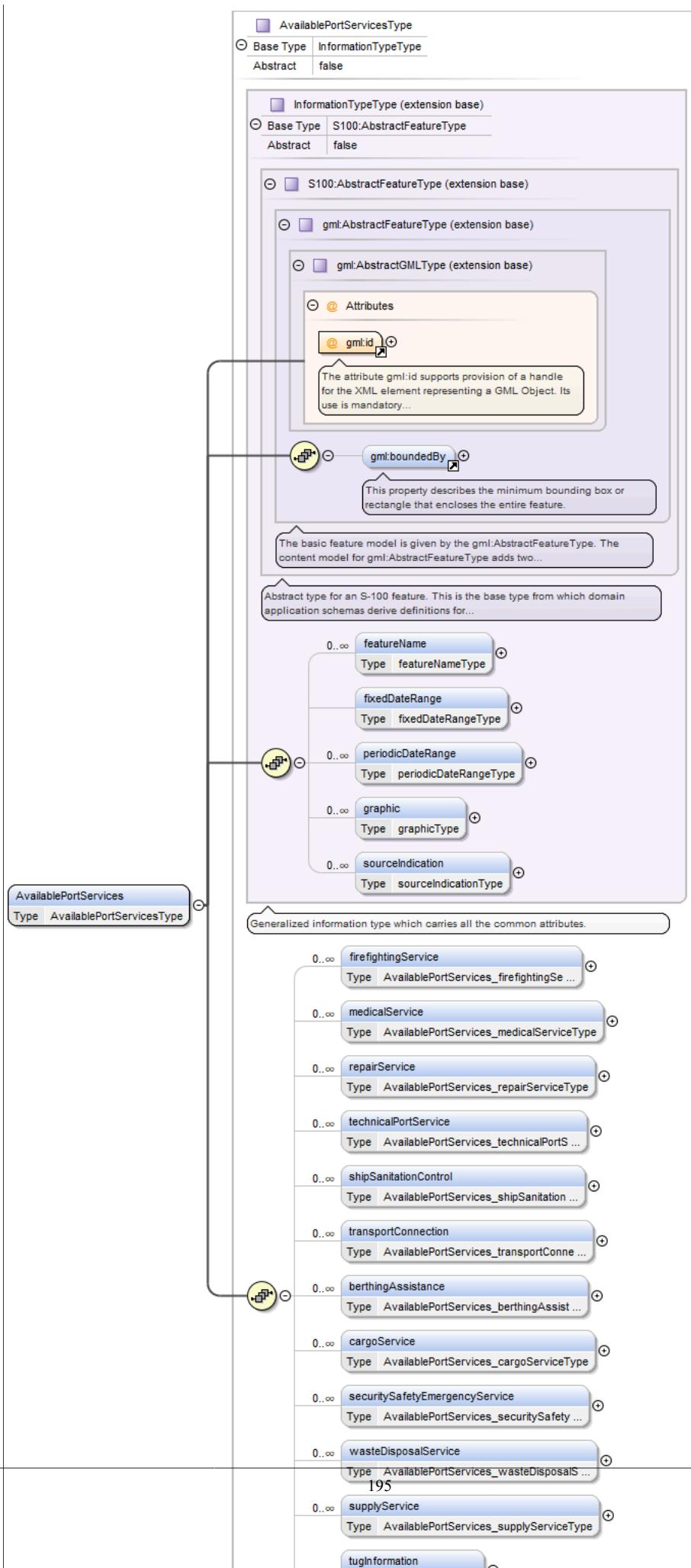


Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code> • <code>InformationTypeType</code> • <code>AuthorityType</code> 										
Properties	content: <code>complex</code>										
Used by	Element Group MemberObjects										
Model	<code>gml:boundedBy{0,1}</code> , <code>featureName*</code> , <code>fixedDateRange{0,1}</code> , <code>periodicDateRange*</code> , <code>graphic*</code> , <code>sourceIndication*</code> , <code>categoryOfAuthority</code> , <code>textContent{0,1}</code> , <code>theContactDetails*</code> , <code>organisationRelatedRxN*</code> , <code>theServiceHours*</code>										
Attributes	<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>	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									

Element AvailablePortServices

Namespace	<code>http://www.ihc.int/S131/2.0</code>
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Diagram

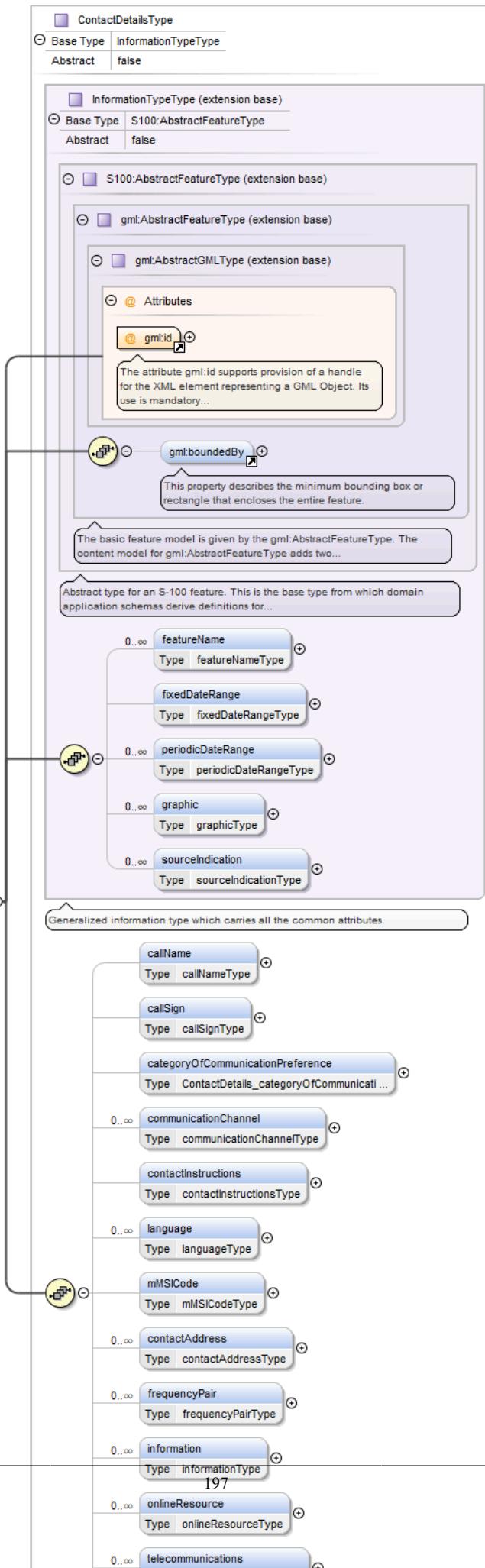


Type	AvailablePortServicesType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • InformationTypeType • AvailablePortServicesType 										
Properties	content: complex										
Used by	Element Group MemberObjects										
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication* , firefightingService* , medicalService* , repairService* , technicalPortService* , shipSanitationControl* , transportConnection* , berthingAssistance* , cargoService* , securitySafetyEmergencyService* , wasteDisposalService* , supplyService* , tugInformation{0,1} , textContent*										
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									

Element ContactDetails

Namespace	http://www.ihc.int/S131/2.0
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Diagram

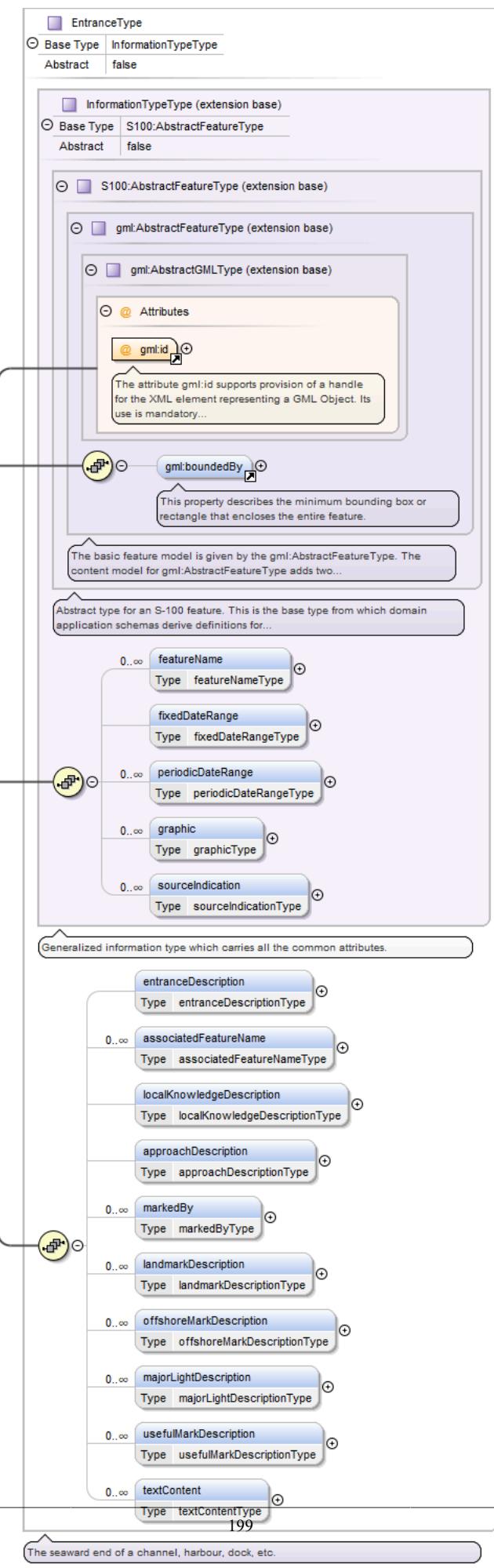


Type	ContactDetailsType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType <ul style="list-style-type: none"> • InformationTypeType • ContactDetailsType 										
Properties	content: complex										
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*										
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									

Element Entrance

Namespace	http://www.ihc.int/S131/2.0
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Diagram

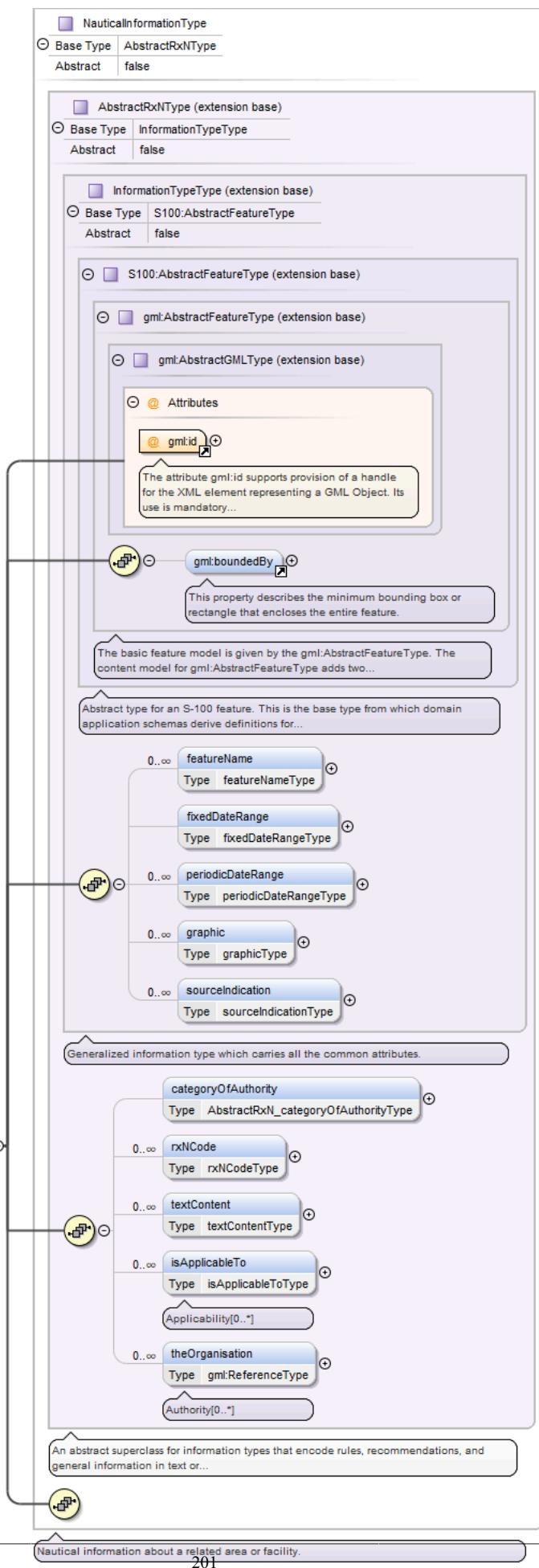


Type	EntranceType		
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • InformationTypeType • EntranceType 		
Properties	content: complex		
Used by	Element Group MemberObjects		
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1}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

Element NauticalInformation

Namespace	http://www.ihodata.org/S131/2.0
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Diagram

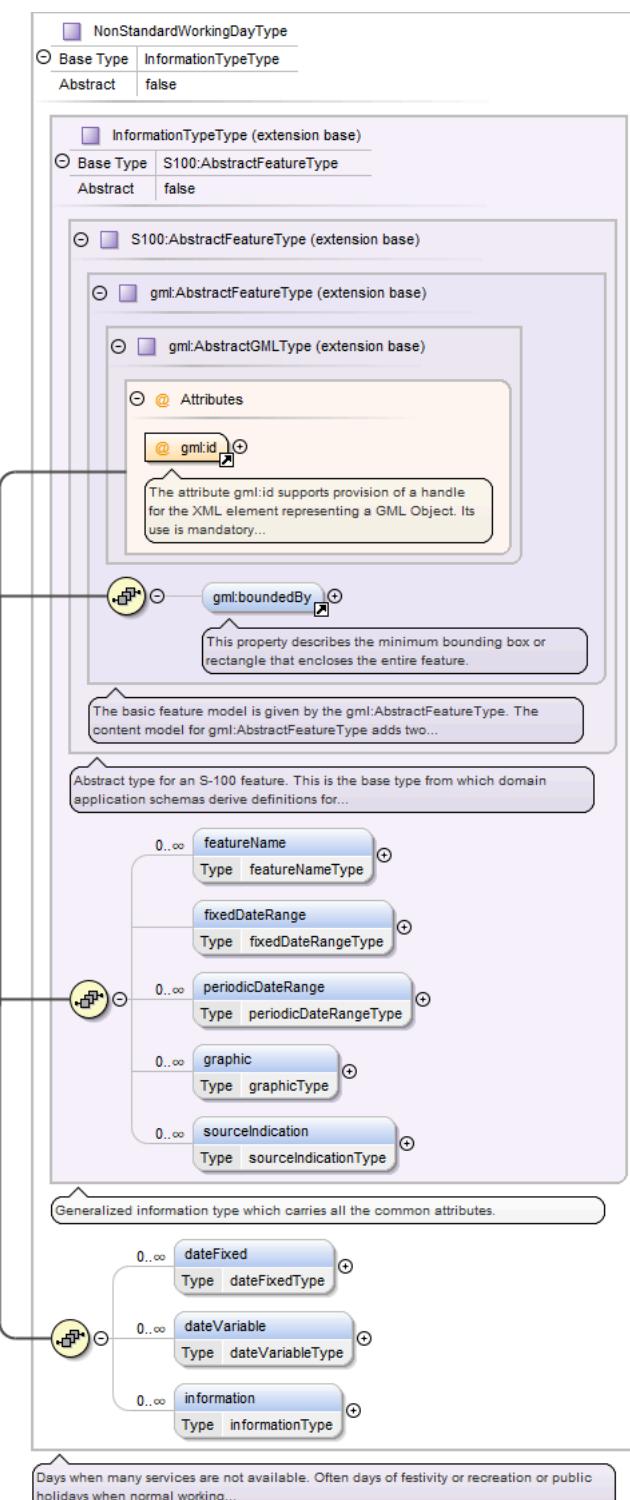


Type	NauticalInformationType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • InformationTypeType • AbstractRxNType • NauticalInformationType 										
Properties	content: complex		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

Element NonStandardWorkingDay

Namespace	http://www.ihodata.org/S131/2.0
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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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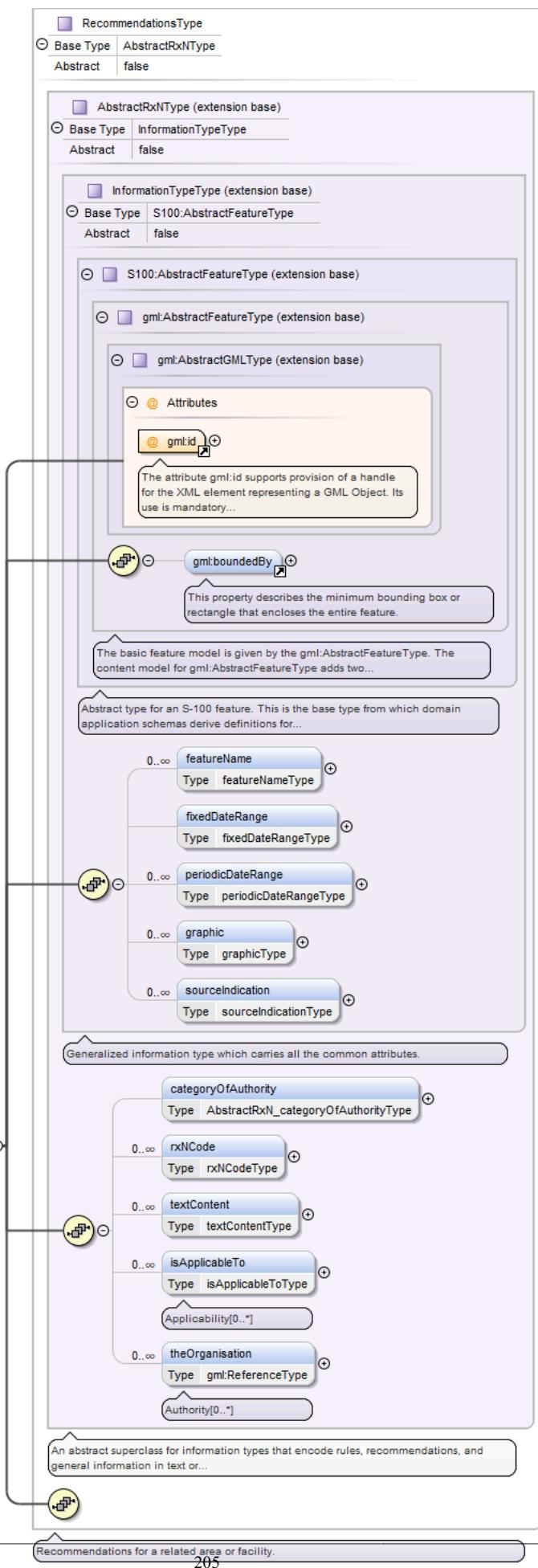
Properties	content: complex
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Used by	Element Group MemberObjects		
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication* , dateFixed* , dateVariable* , information*		
Attributes	QName gml:id	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.	

Element Recommendations

Namespace	http://www.ihc.int/S131/2.0
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Diagram

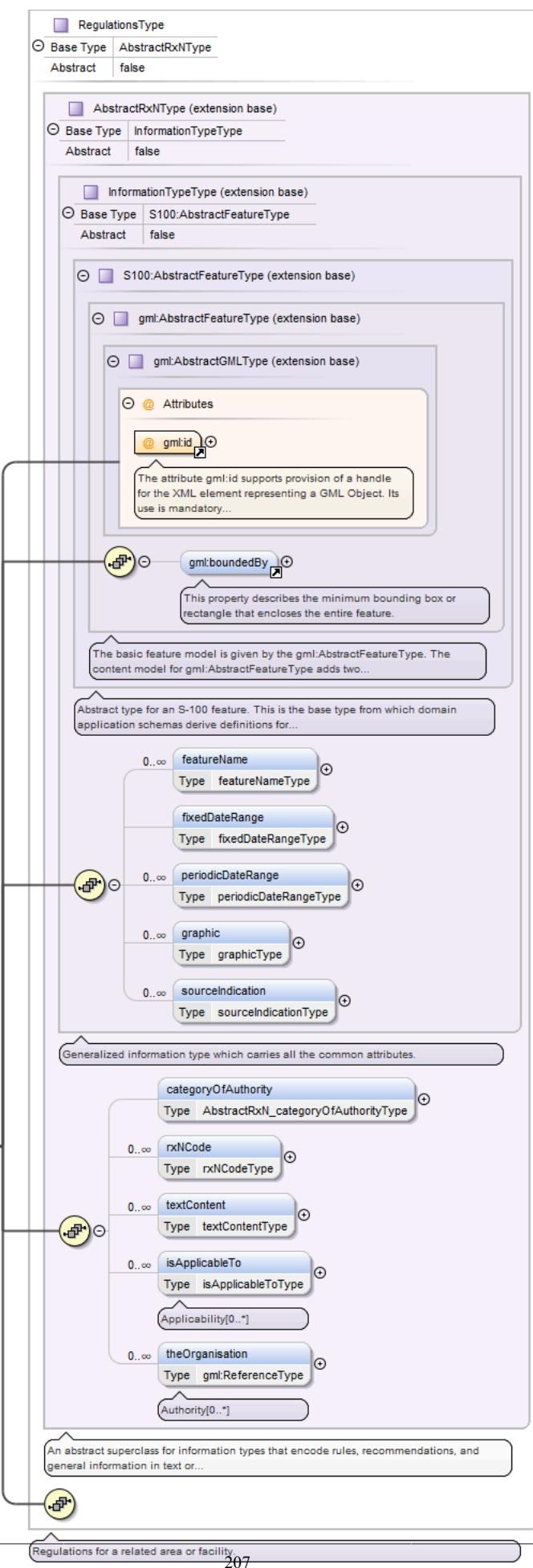


Type	RecommendationsType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType <ul style="list-style-type: none"> • InformationTypeType • AbstractRxNType • RecommendationsType 														
Properties	content: complex														
Used by	Element Group MemberObjects														
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication* , categoryOfAuthority{0,1} , rxNCode* , textContent* , isApplicableTo* , theOrganisation*														
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>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.														

Element Regulations

Namespace	http://www.ihodata.org/S131/2.0
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Diagram

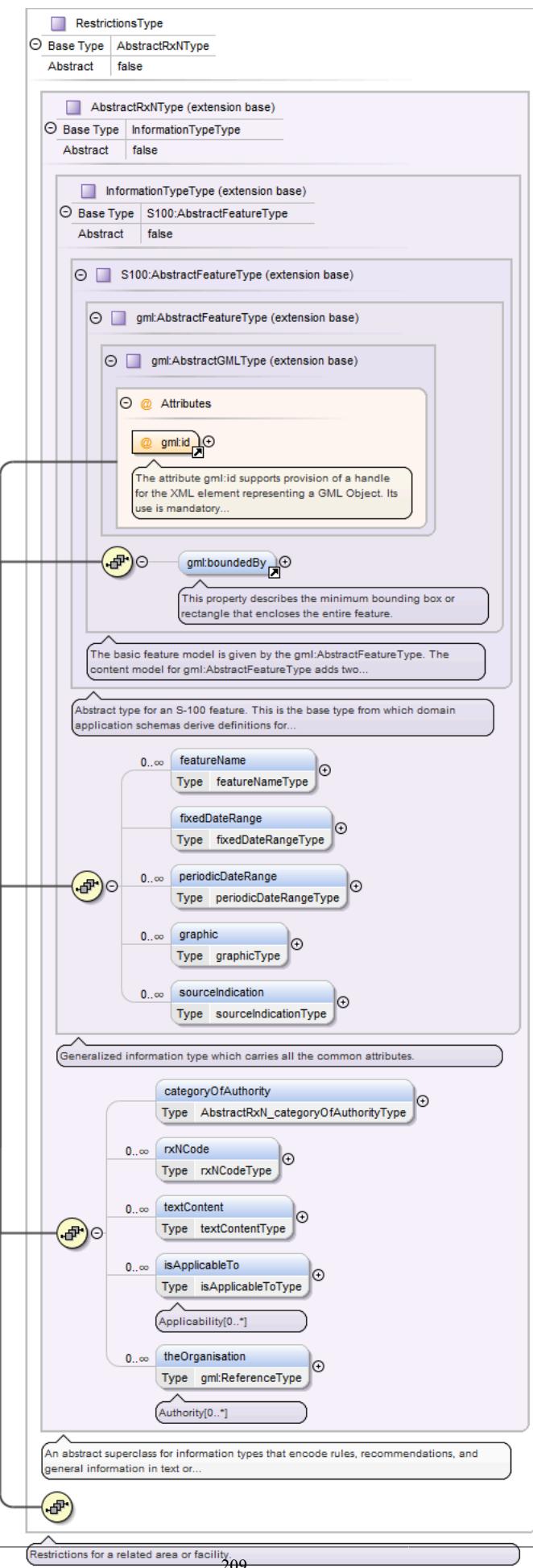


Type	RegulationsType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType <ul style="list-style-type: none"> • InformationTypeType • AbstractRxNType • RegulationsType 														
Properties	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*														
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.														

Element Restrictions

Namespace	http://www.ihc.int/S131/2.0
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Diagram

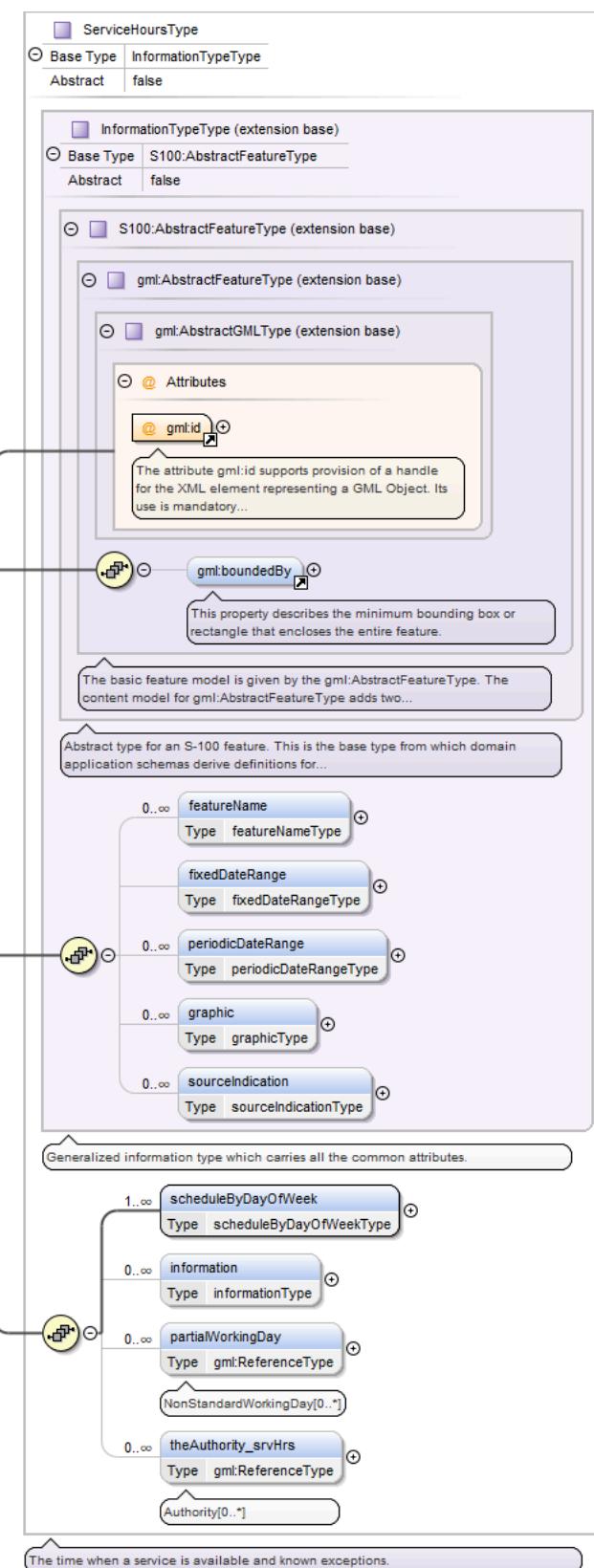


Type	RestrictionsType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType <ul style="list-style-type: none"> • InformationTypeType • AbstractRxNType • RestrictionsType 														
Properties	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*														
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.														

Element ServiceHours

Namespace	http://www.ihc.int/S131/2.0
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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*						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> </tr> </tbody> </table> <p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	QName	Type	Use	gml:id	ID	required
QName	Type	Use					
gml:id	ID	required					

Element SpatialQuality

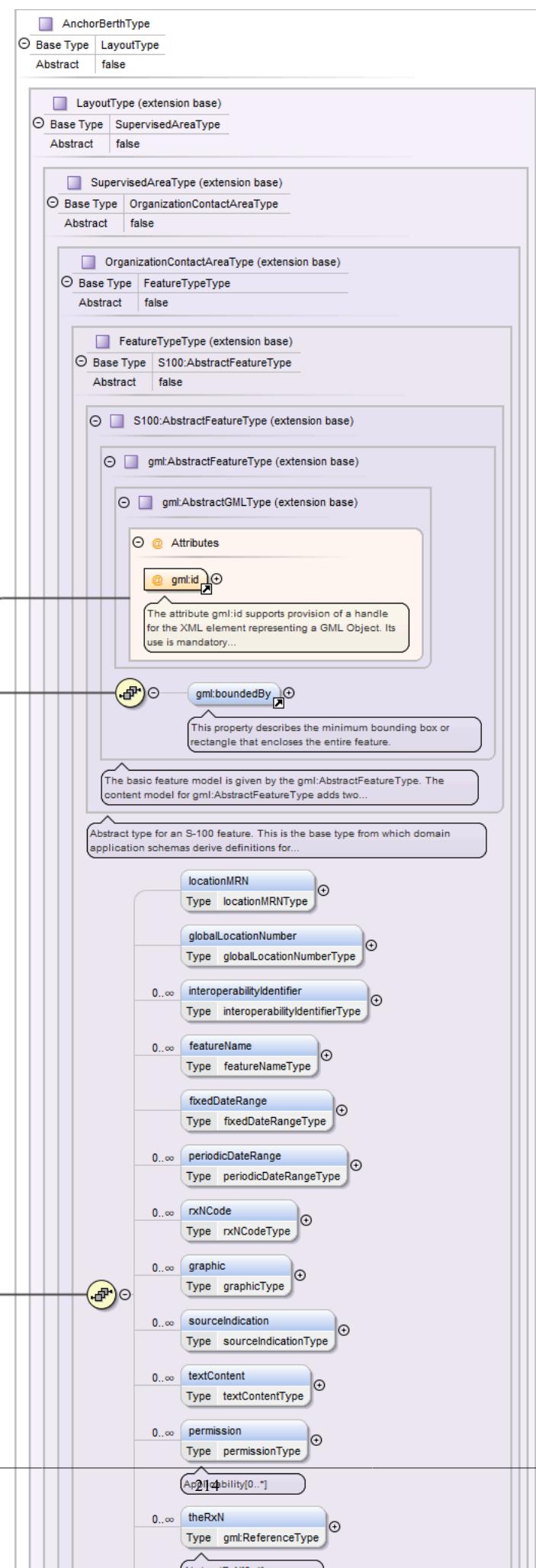
Namespace	http://www.ihc.int/S131/2.0
Diagram	
Type	SpatialQualityType
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • SpatialQualityType
Properties	content: complex
Used by	Element Group MemberObjects
Model	gml:boundedBy{0,1} , qualityOfHorizontalMeasurement{0,1} , spatialAccuracy*

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

Element AnchorBerth

Namespace	http://www.ihc.int/S131/2.0
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Diagram

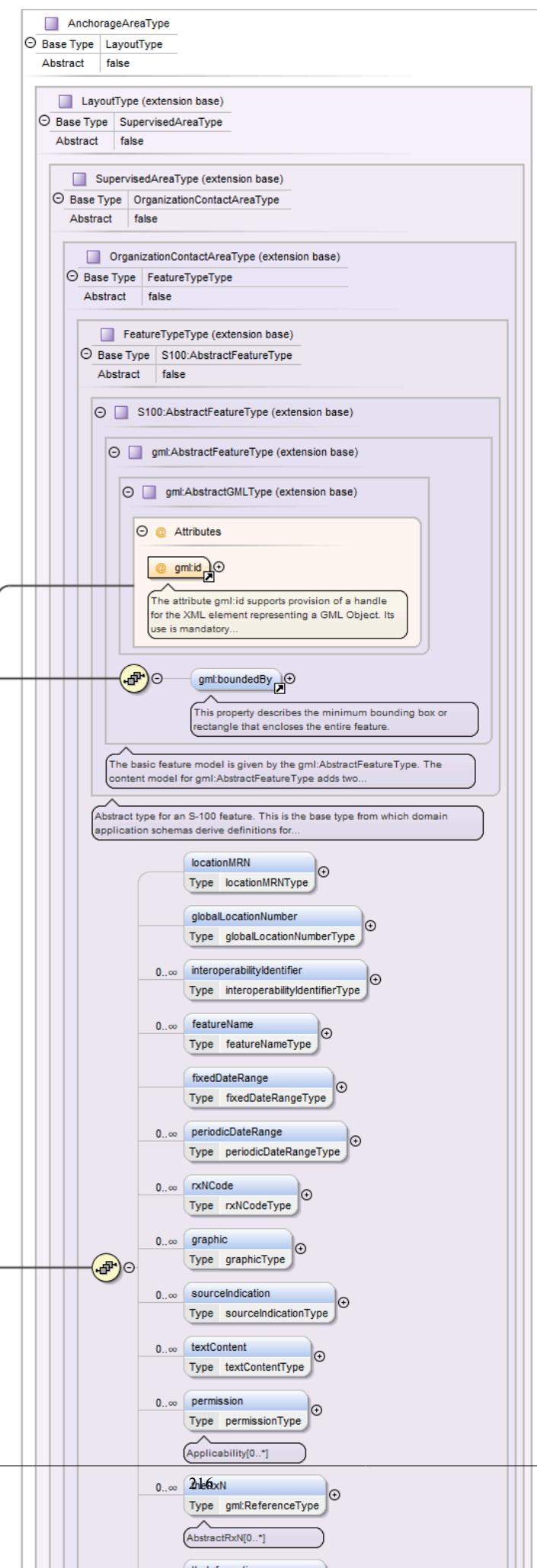


Type	AnchorBerthType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • LayoutType • AnchorBerthType 														
Properties	content: complex														
Used by	Element Group MemberObjects														
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , categoryOfAnchorage* , categoryOfCargo* , radius{0,1} , serviceDescriptionReference{0,1} , facilityOperatingHours{0,1} , auxiliaryFacility* , geometry+														
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>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.														

Element AnchorageArea

Namespace	http://www.ihc.int/S131/2.0
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Diagram

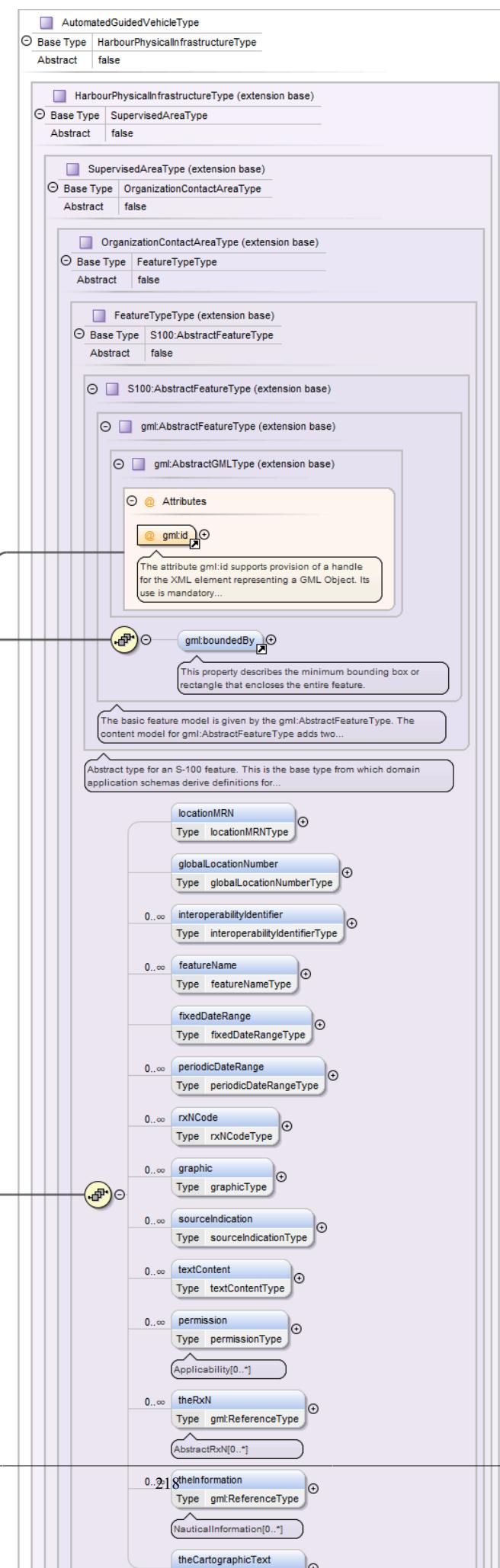


Type	AnchorageAreaType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • LayoutType • AnchorageAreaType 														
Properties	content: complex														
Used by	Element Group MemberObjects														
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , categoryOfAnchorage* , iSPSLevel{0,1} , categoryOfCargo* , locationByText{0,1} , depthsDescription{0,1} , markedBy{0,1} , facilityOperatingHours{0,1} , componentOf , geometry+														
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>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.			
QName	Type	Use													
gml:id	ID	required													
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.													

Element AutomatedGuidedVehicle

Namespace	http://www.ihc.int/S131/2.0
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Diagram

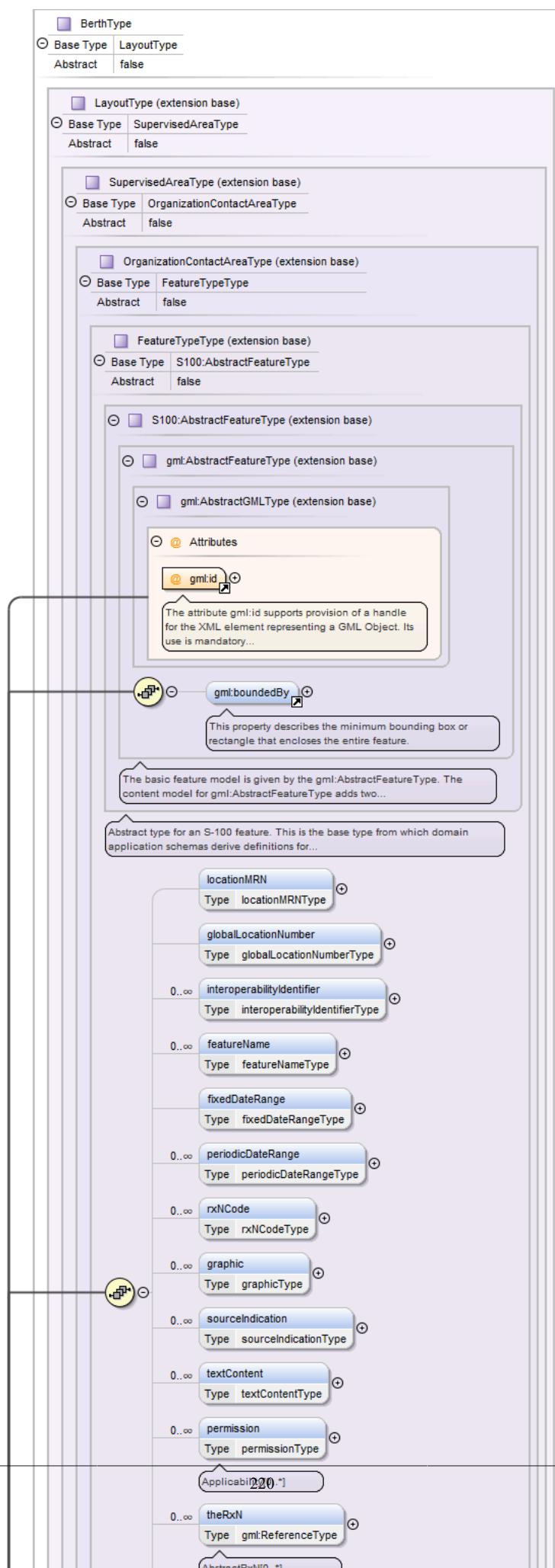


Type	AutomatedGuidedVehicleType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • HarbourPhysicalInfrastructureType • AutomatedGuidedVehicleType 														
Properties	content: complex														
Used by	Element Group MemberObjects														
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , infrastructureLocation{0,1} , facilityOperatingHours{0,1} , geometry+														
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>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.														

Element Berth

Namespace	http://www.ihc.int/S131/2.0
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Diagram

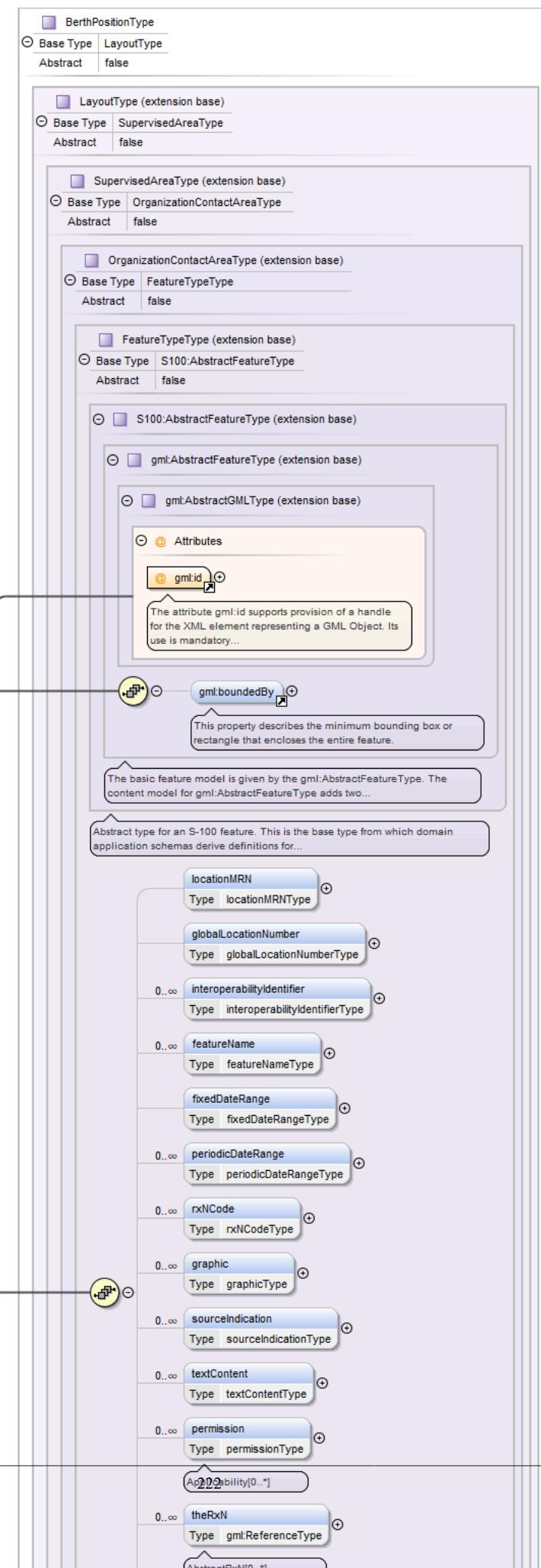


Type	BerthType								
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • LayoutType • BerthType 								
Properties	content: complex								
Used by	Element Group MemberObjects								
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , availableBerthingLength{0,1} , bollardDescription{0,1} , safeWorkingLoad{0,1} , minimumBerthDepth{0,1} , elevation{0,1} , cathodicProtectionSystem{0,1} , categoryOfBerthLocation{0,1} , portFacilityNumber{0,1} , bollardNumber{0,2} , gLNExtension{0,1} , metreMarkNumber{0,2} , manifoldNumber{0,2} , rampNumber{0,1} , locationByText{0,1} , methodOfSecuring{0,1} , uNLocationCode , terminalIdentifier{0,1} , shorePowerDescription{0,1} , categoryOfFrequency* , categoryOfVoltage* , categoryOfPlug* , categoryOfCargo* , serviceDescriptionReference{0,1} , facilityOperatingHours{0,1} , demarcationIndicator* , componentOf , geometry+								
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>	QName	Type	Use	gml:id	ID	required	<p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	
QName	Type	Use							
gml:id	ID	required							

Element BerthPosition

Namespace	http://www.ihc.int/S131/2.0
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Diagram

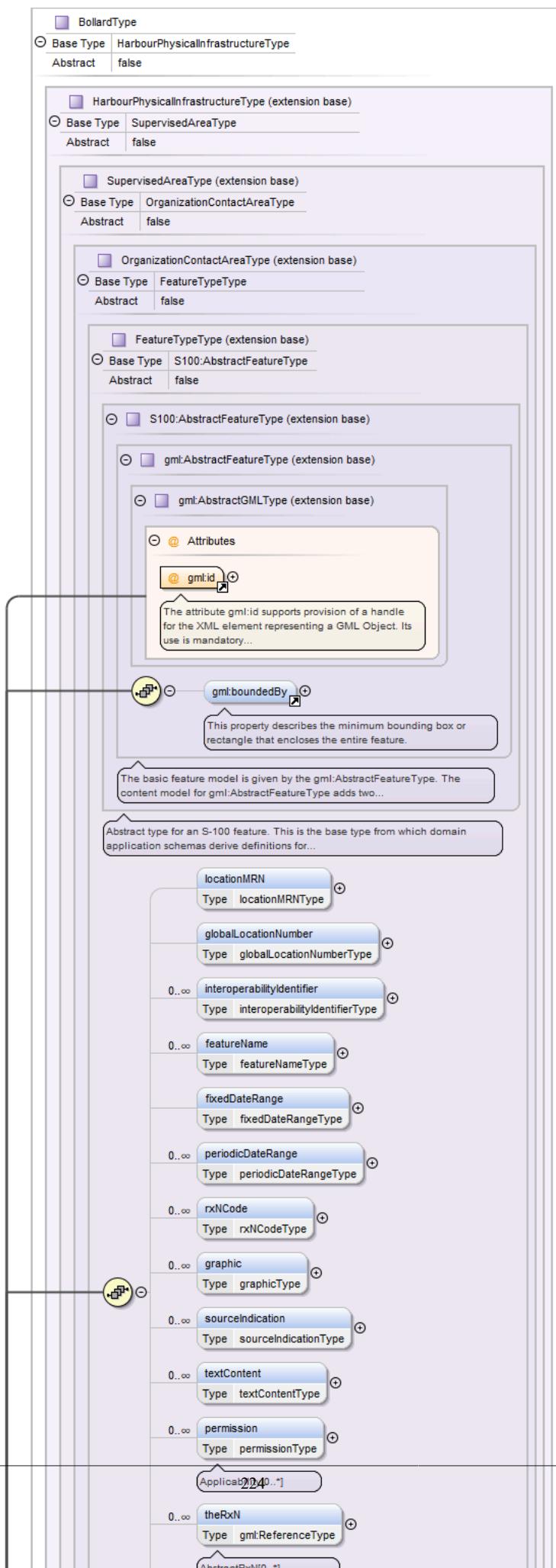


Type	BerthPositionType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • LayoutType • BerthPositionType 														
Properties	content: complex														
Used by	Element Group MemberObjects														
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , bollardNumber{0,1} , gLNExtension{0,1} , metreMarkNumber{0,1} , manifoldNumber{0,1} , rampNumber{0,1} , locationByText{0,1} , demarcatedFeature , auxiliaryFacility* , geometry+														
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>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.			
QName	Type	Use													
gml:id	ID	required													
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.													

Element Bollard

Namespace	http://www.ihc.int/S131/2.0
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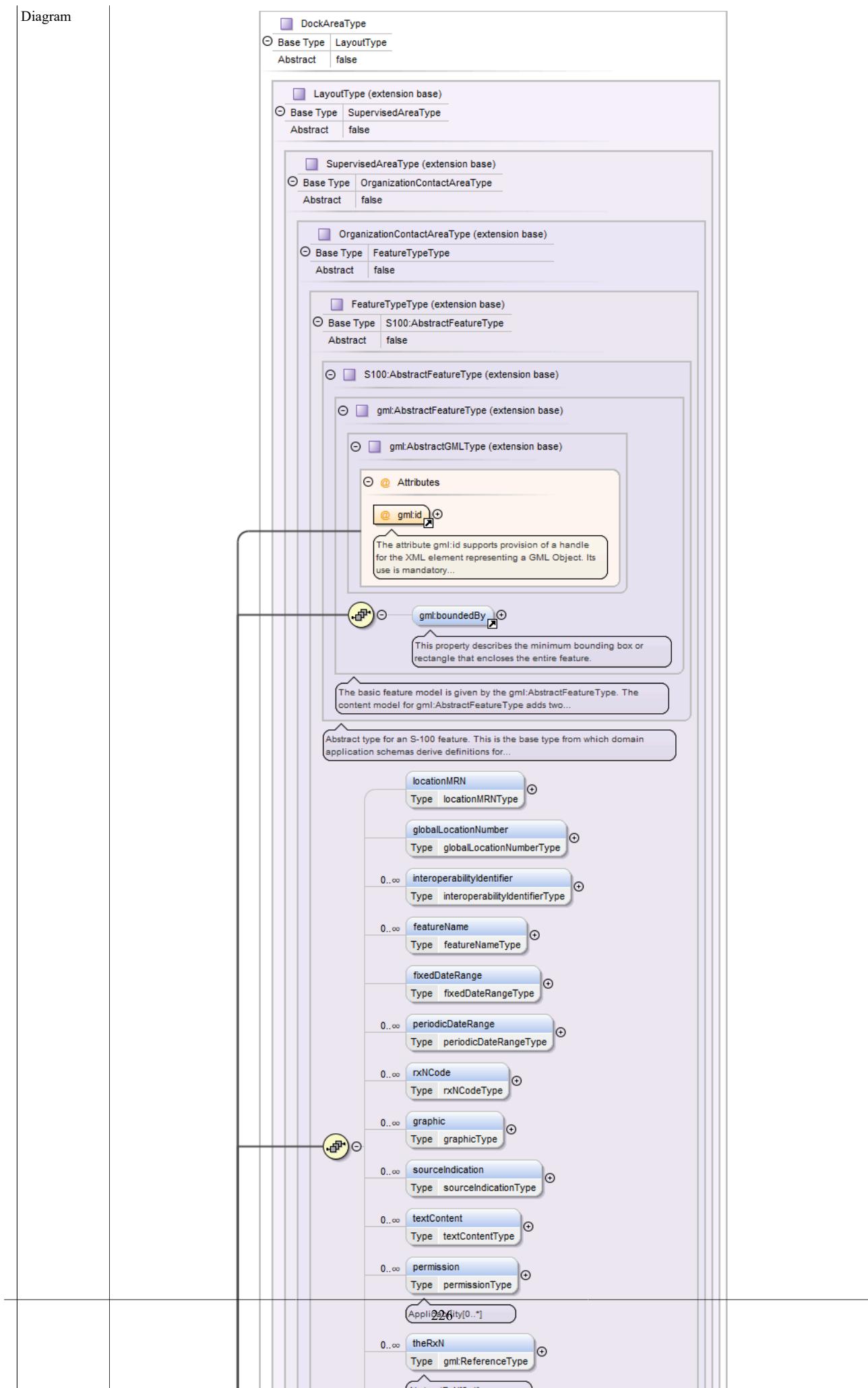
Diagram



Type	BollardType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • HarbourPhysicalInfrastructureType • BollardType 														
Properties	content: complex														
Used by	Element Group MemberObjects														
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , infrastructureLocation{0,1} , height{0,1} , verticalLength{0,1} , safeWorkingLoad{0,1} , geometry+														
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.														

Element DockArea

Namespace	http://www.ihc.int/S131/2.0
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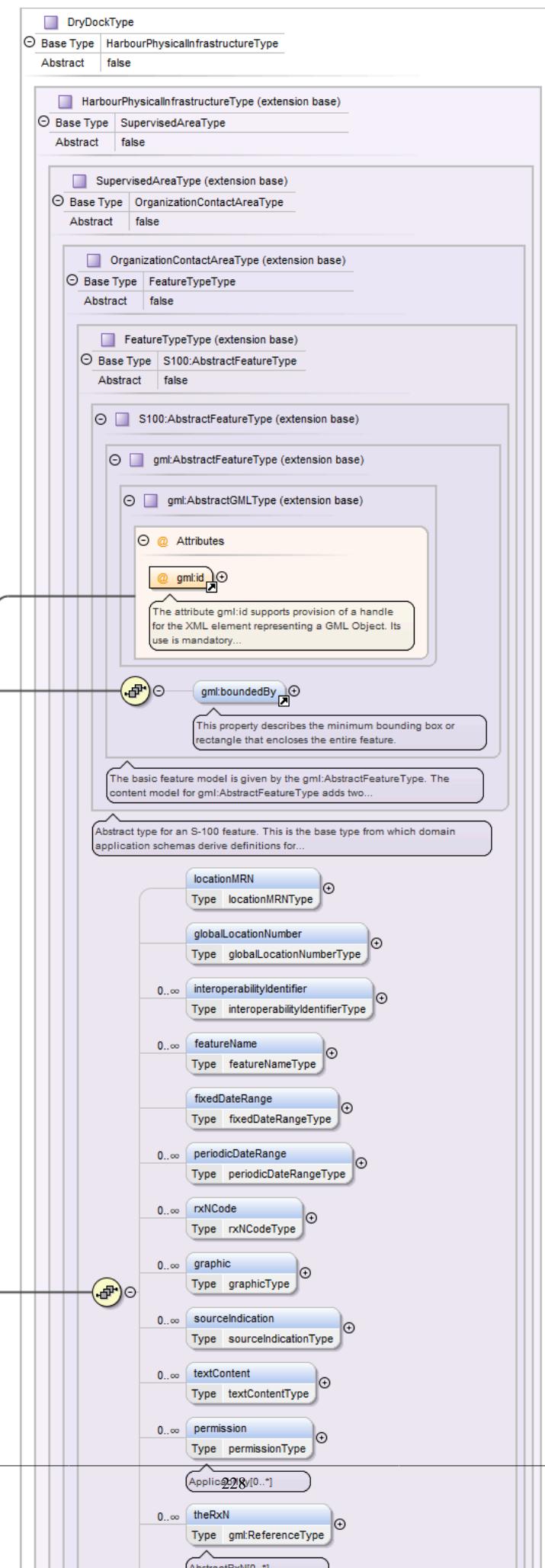


Type	DockAreaType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • LayoutType • DockAreaType 										
Properties	content: complex										
Used by	Element Group MemberObjects										
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDataRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , depthsDescription{0,1} , locationByText{0,1} , markedBy{0,1} , iSPSLevel{0,1} , serviceDescriptionReference{0,1} , facilityOperatingHours{0,1} , componentOf , geometry+										
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>gml:id</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		gml:id	ID	required			
QName	Type	Use									
gml:id	ID	required									

Element DryDock

Namespace	http://www.ihc.int/S131/2.0
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Diagram

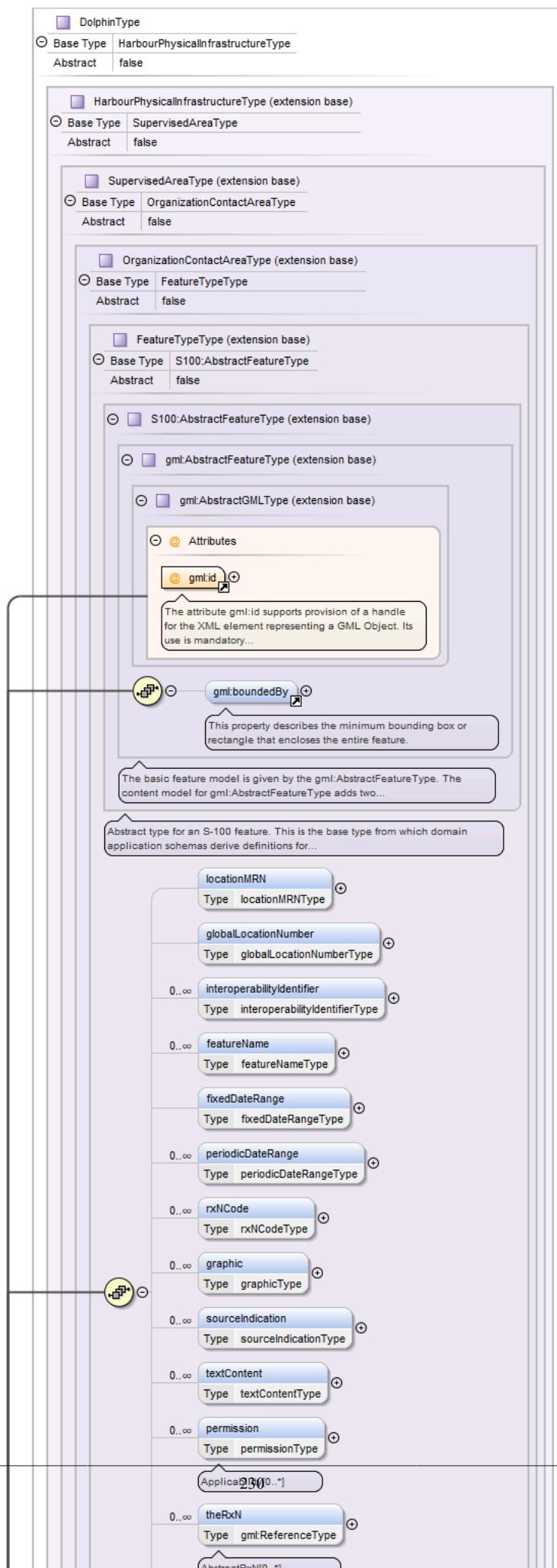


Type	DryDockType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • HarbourPhysicalInfrastructureType • DryDockType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

Element Dolphin

Namespace	http://www.ihc.int/S131/2.0
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Diagram

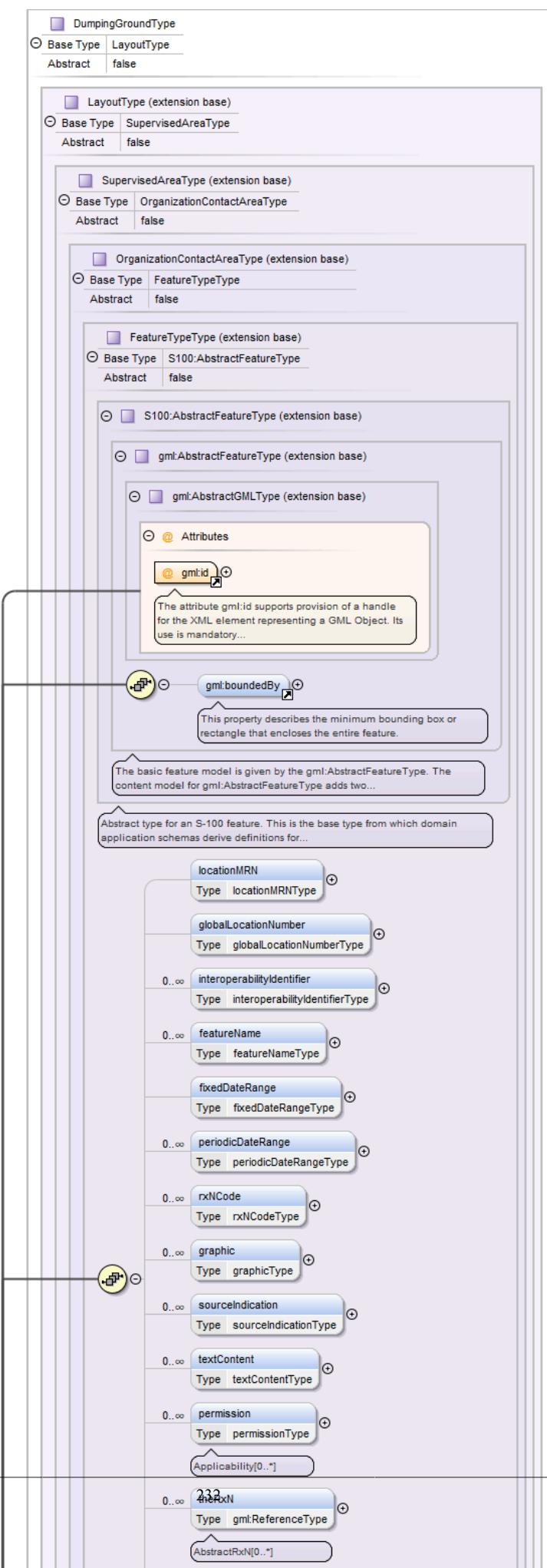


Type	DolphinType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • HarbourPhysicalInfrastructureType • DolphinType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

Element DumpingGround

Namespace	http://www.ihc.int/S131/2.0
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Diagram

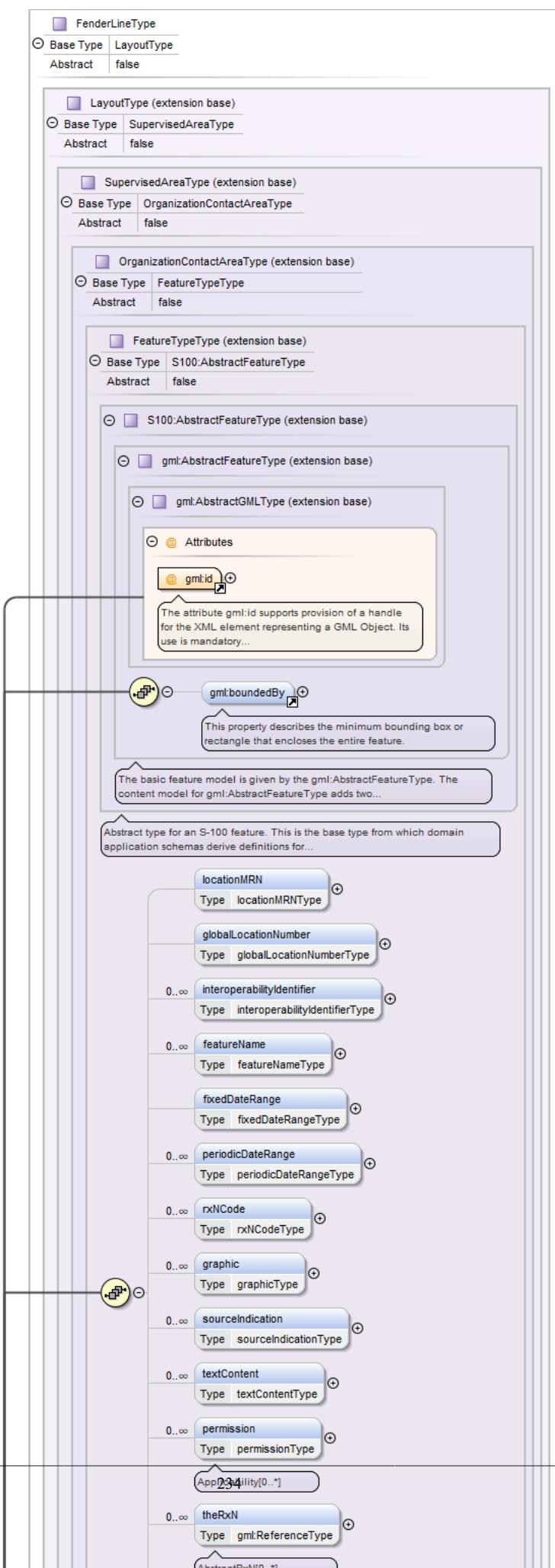


Type	DumpingGroundType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • LayoutType • DumpingGroundType 										
Properties	content: complex										
Used by	Element Group MemberObjects										
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDataRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , depthsDescription{0,1} , locationByText{0,1} , markedBy{0,1} , iSPSLevel{0,1} , facilityOperatingHours{0,1} , componentOf , geometry+										
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		gml:id	ID	required		<p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	
QName	Type	Use									
gml:id	ID	required									

Element FenderLine

Namespace	http://www.ihc.int/S131/2.0
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Diagram

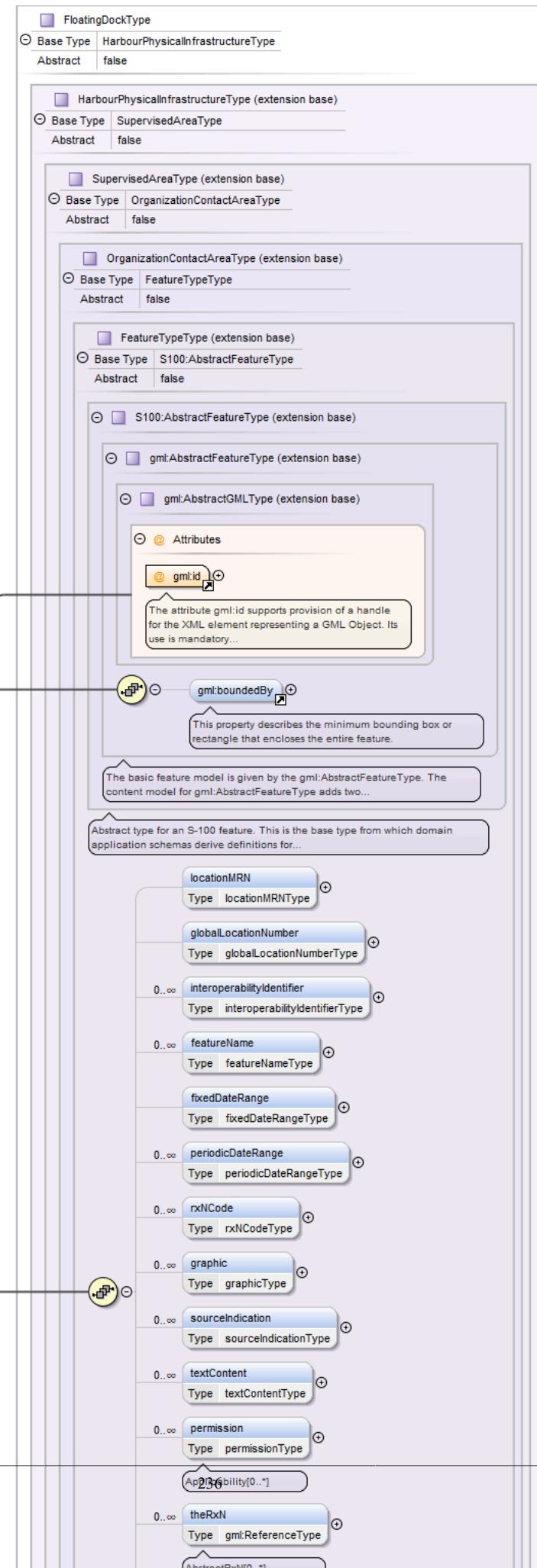


Type	FenderLineType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • LayoutType • FenderLineType 										
Properties	content: complex										
Used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

Element FloatingDock

Namespace	http://www.ihc.int/S131/2.0
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Diagram

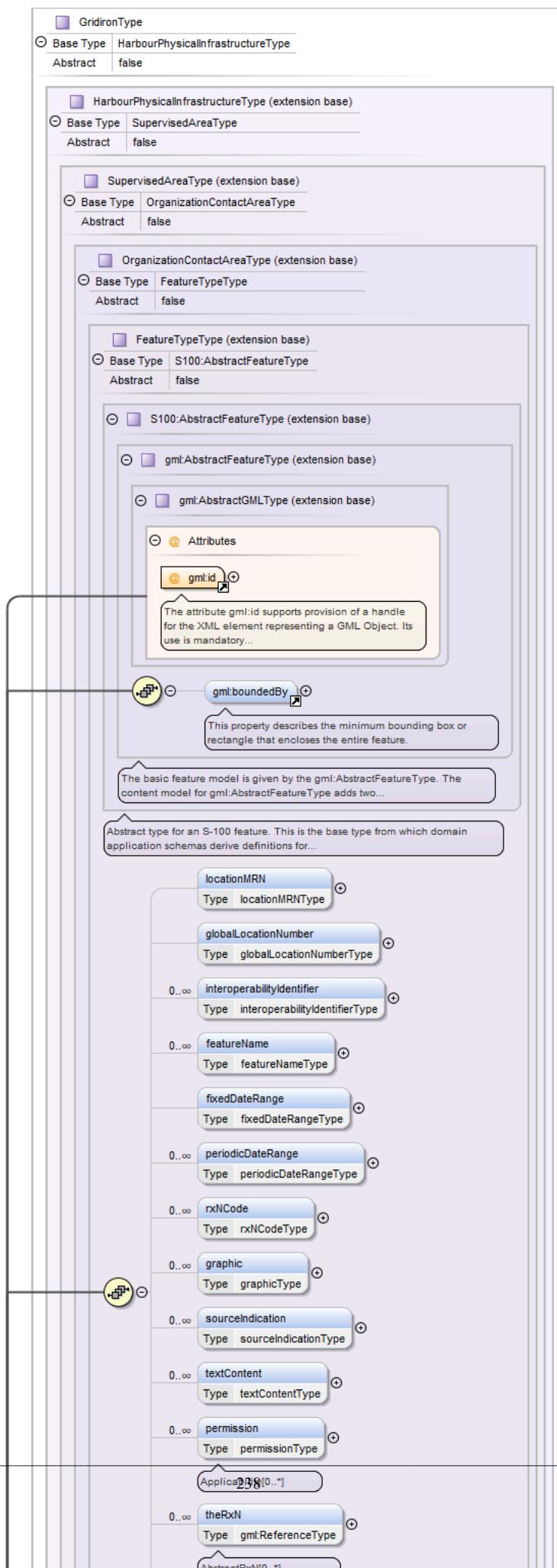


Type	FloatingDockType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • HarbourPhysicalInfrastructureType • FloatingDockType 										
Properties	content: complex										
Used by	Element Group MemberObjects										
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , infrastructureLocation{0,1} , sillDepth{0,1} , facilityOperatingHours{0,1} , geometry+										
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>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									

Element Gridiron

Namespace	http://www.ihc.int/S131/2.0
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Diagram

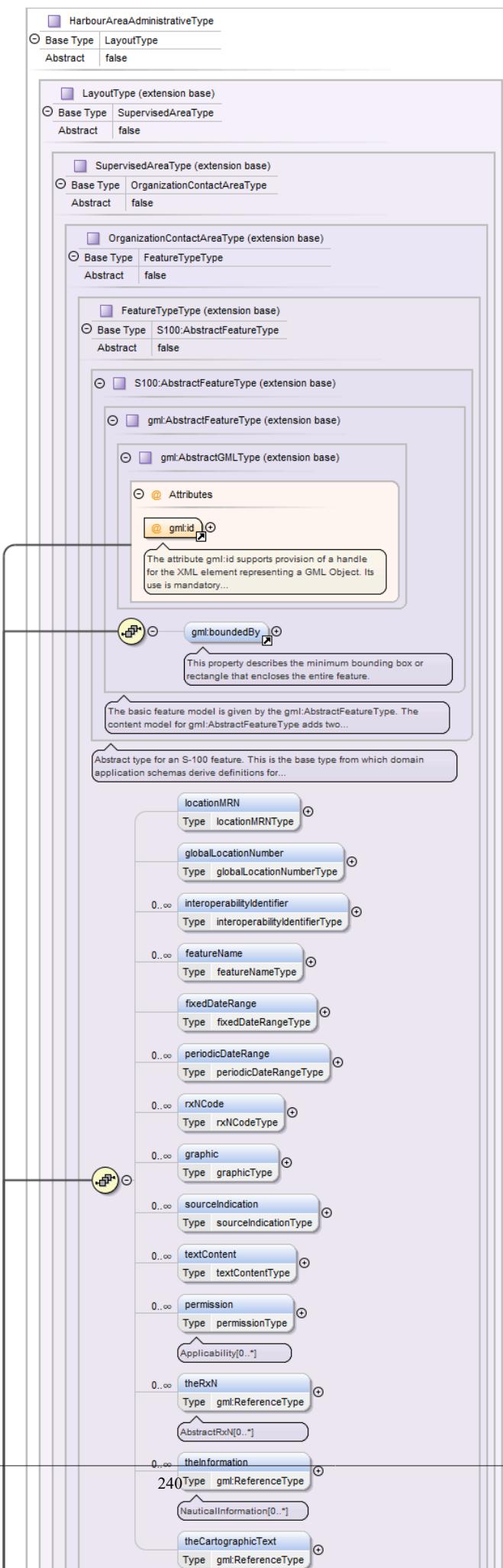


Type	GridironType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • HarbourPhysicalInfrastructureType • GridironType 														
Properties	content: complex														
Used by	Element Group MemberObjects														
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , infrastructureLocation{0,1} , sillDepth{0,1} , verticalClearanceValue{0,1} , facilityOperatingHours{0,1} , geometry+														
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.														

Element HarbourAreaAdministrative

Namespace	http://www.ihc.int/S131/2.0
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Diagram

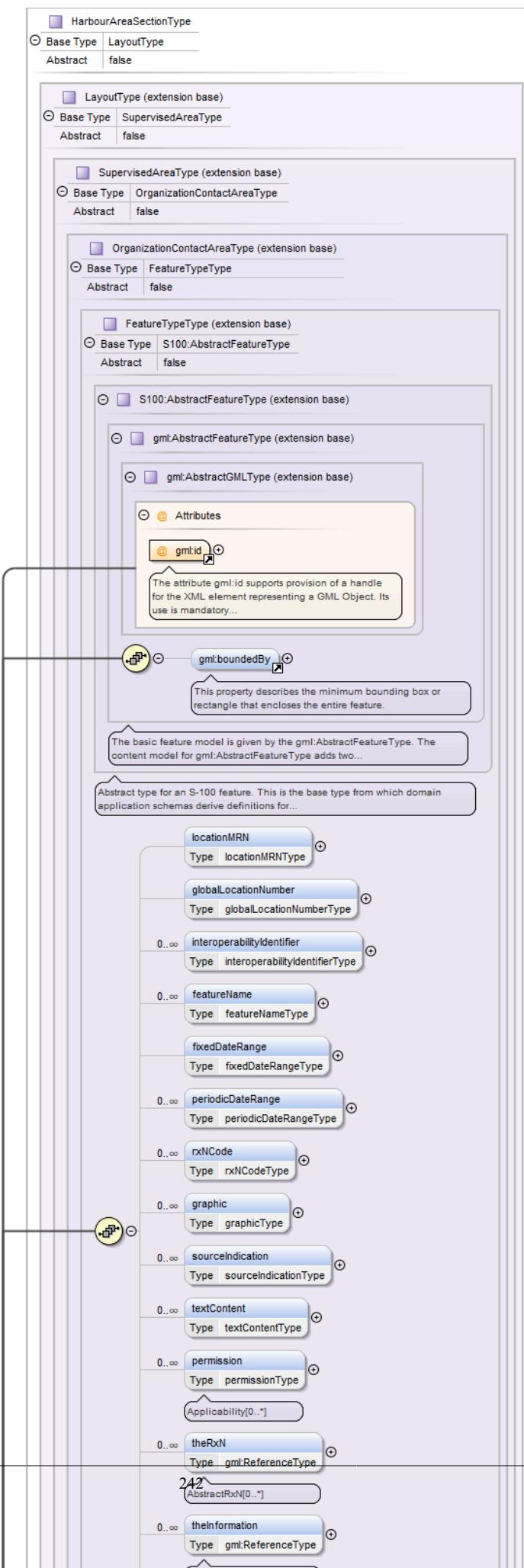


Type	HarbourAreaAdministrativeType														
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code> • <code>FeatureTypeType</code> • <code>OrganizationContactAreaType</code> • <code>SupervisedAreaType</code> • <code>LayoutType</code> • <code>HarbourAreaAdministrativeType</code> 														
Properties	content: complex														
Used by	Element Group MemberObjects														
Model	<code>gml:boundedBy{0,1}</code> , <code>locationMRN{0,1}</code> , <code>globalLocationNumber{0,1}</code> , <code>interoperabilityIdentifier*</code> , <code>featureName*</code> , <code>fixedDateRange{0,1}</code> , <code>periodicDateRange*</code> , <code>rxNCode*</code> , <code>graphic*</code> , <code>sourceIndication*</code> , <code>textContent*</code> , <code>permission*</code> , <code>theRxN*</code> , <code>theInformation*</code> , <code>theCartographicText{0,1}</code> , <code>theContactDetails*</code> , <code>controlAuthority{0,1}</code> , <code>uNLocationCode{0,1}</code> , <code>nationality{0,1}</code> , <code>applicableLoadLineZone{0,1}</code> , <code>iSPSLevel{0,1}</code> , <code>categoryOfHarbourFacility*</code> , <code>generalHarbourInformation{0,1}</code> , <code>serviceDescriptionReference{0,1}</code> , <code>facilityOperatingHours{0,1}</code> , <code>limitExtent{0,1}</code> , <code>layoutUnit*</code> , <code>geometry+</code>														
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td><code>gml:id</code></td> <td>ID</td> <td>required</td> <td></td> </tr> <tr> <td></td> <td></td> <td>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> <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													
		The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.													

Element HarbourAreaSection

Namespace	http://www.ihc.int/S131/2.0
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Diagram

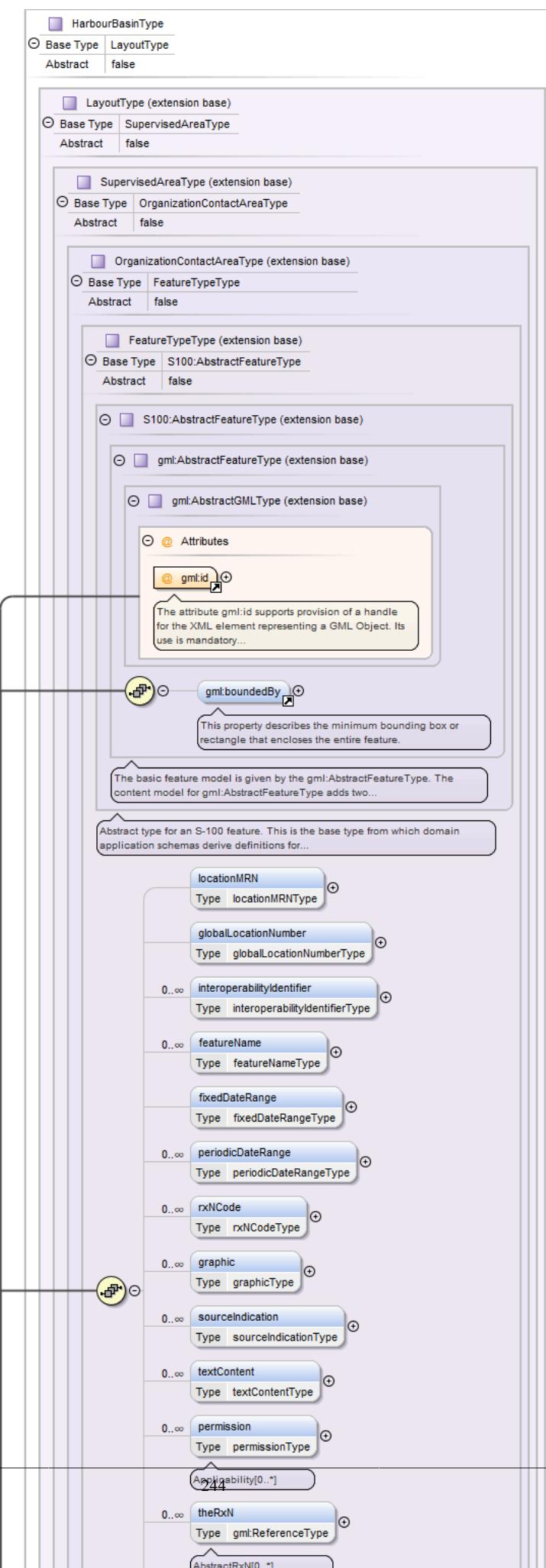


Type	HarbourAreaSectionType														
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code> • <code>FeatureTypeType</code> • <code>OrganizationContactAreaType</code> • <code>SupervisedAreaType</code> • <code>LayoutType</code> • <code>HarbourAreaSectionType</code> 														
Properties	content: complex														
Used by	Element Group MemberObjects														
Model	<code>gml:boundedBy{0,1}</code> , <code>locationMRN{0,1}</code> , <code>globalLocationNumber{0,1}</code> , <code>interoperabilityIdentifier*</code> , <code>featureName*</code> , <code>fixedDataRange{0,1}</code> , <code>periodicDateRange*</code> , <code>rxNCode*</code> , <code>graphic*</code> , <code>sourceIndication*</code> , <code>textContent*</code> , <code>permission*</code> , <code>theRxN*</code> , <code>theInformation*</code> , <code>theCartographicText{0,1}</code> , <code>theContactDetails*</code> , <code>controlAuthority{0,1}</code> , <code>categoryOfPortSection{0,1}</code> , <code>categoryOfHarbourFacility*</code> , <code>iSPSLlevel{0,1}</code> , <code>facilitiesLayoutDescription{0,1}</code> , <code>serviceDescriptionReference{0,1}</code> , <code>facilityOperatingHours{0,1}</code> , <code>componentOf{0,1}</code> , <code>constitute{0,1}</code> , <code>subUnit*</code> , <code>hasInfrastructure*</code> , <code>layoutUnit*</code> , <code>geometry+</code>														
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td><code>gml:id</code></td> <td>ID</td> <td>required</td> <td></td> </tr> <tr> <td></td> <td colspan="3"> <p>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p> </td></tr> </tbody> </table>	QName	Type	Use		<code>gml:id</code>	ID	required			<p>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>				
QName	Type	Use													
<code>gml:id</code>	ID	required													
	<p>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>														

Element HarbourBasin

Namespace	http://www.ihc.int/S131/2.0
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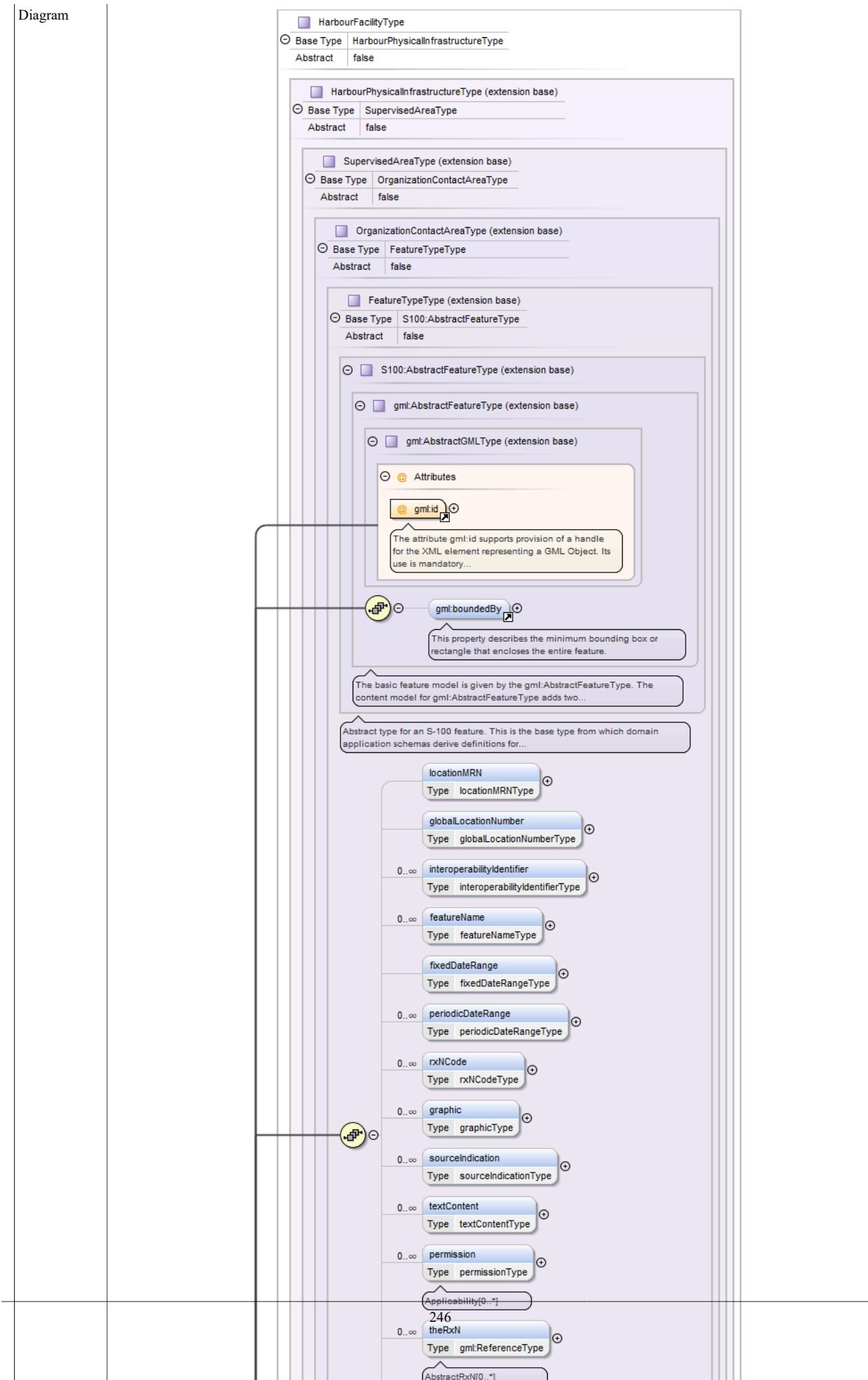
Diagram



Type	HarbourBasinType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • LayoutType • HarbourBasinType 														
Properties	content: complex														
Used by	Element Group MemberObjects														
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDataRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , depthsDescription{0,1} , locationByText{0,1} , markedBy{0,1} , iSPSLevel{0,1} , facilityOperatingHours{0,1} , componentOf , geometry+														
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.														

Element HarbourFacility

Namespace	http://www.ihc.int/S131/2.0
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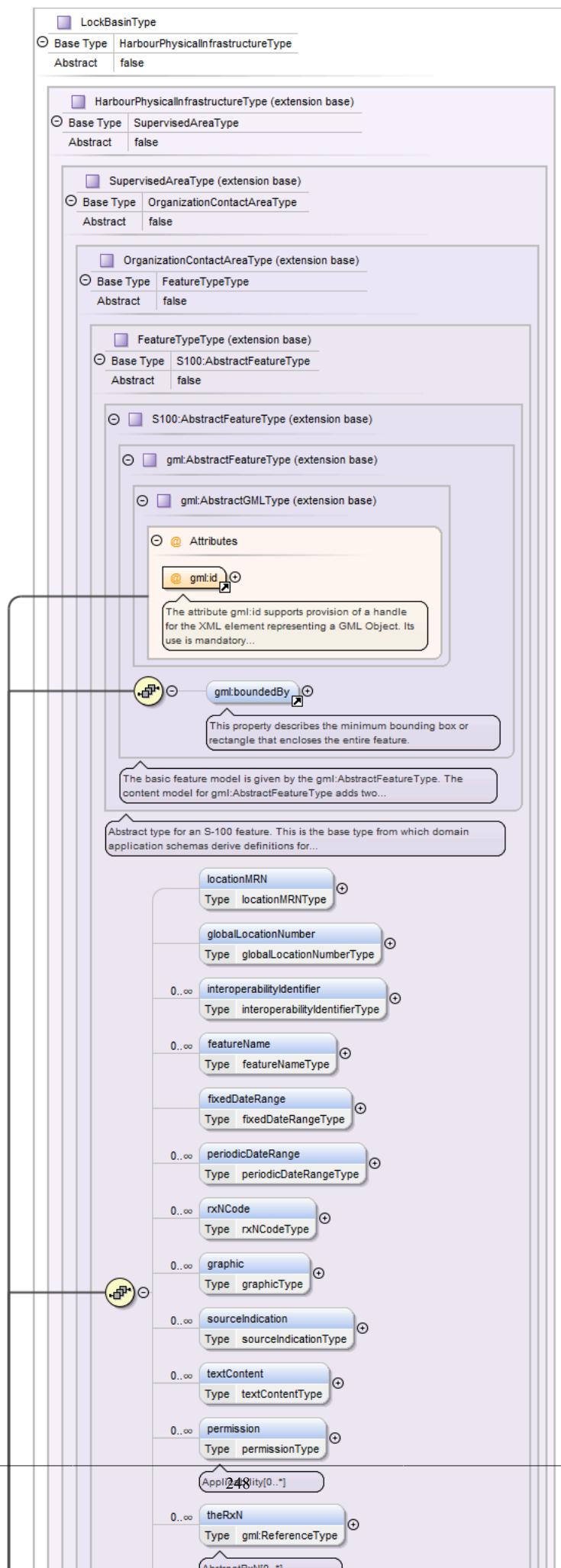


Type	HarbourFacilityType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • HarbourPhysicalInfrastructureType • HarbourFacilityType 														
Properties	content: complex														
Used by	Element Group MemberObjects														
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , infrastructureLocation{0,1} , facilityOperatingHours{0,1} , geometry+														
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>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.														

Element LockBasin

Namespace	http://www.ihc.int/S131/2.0
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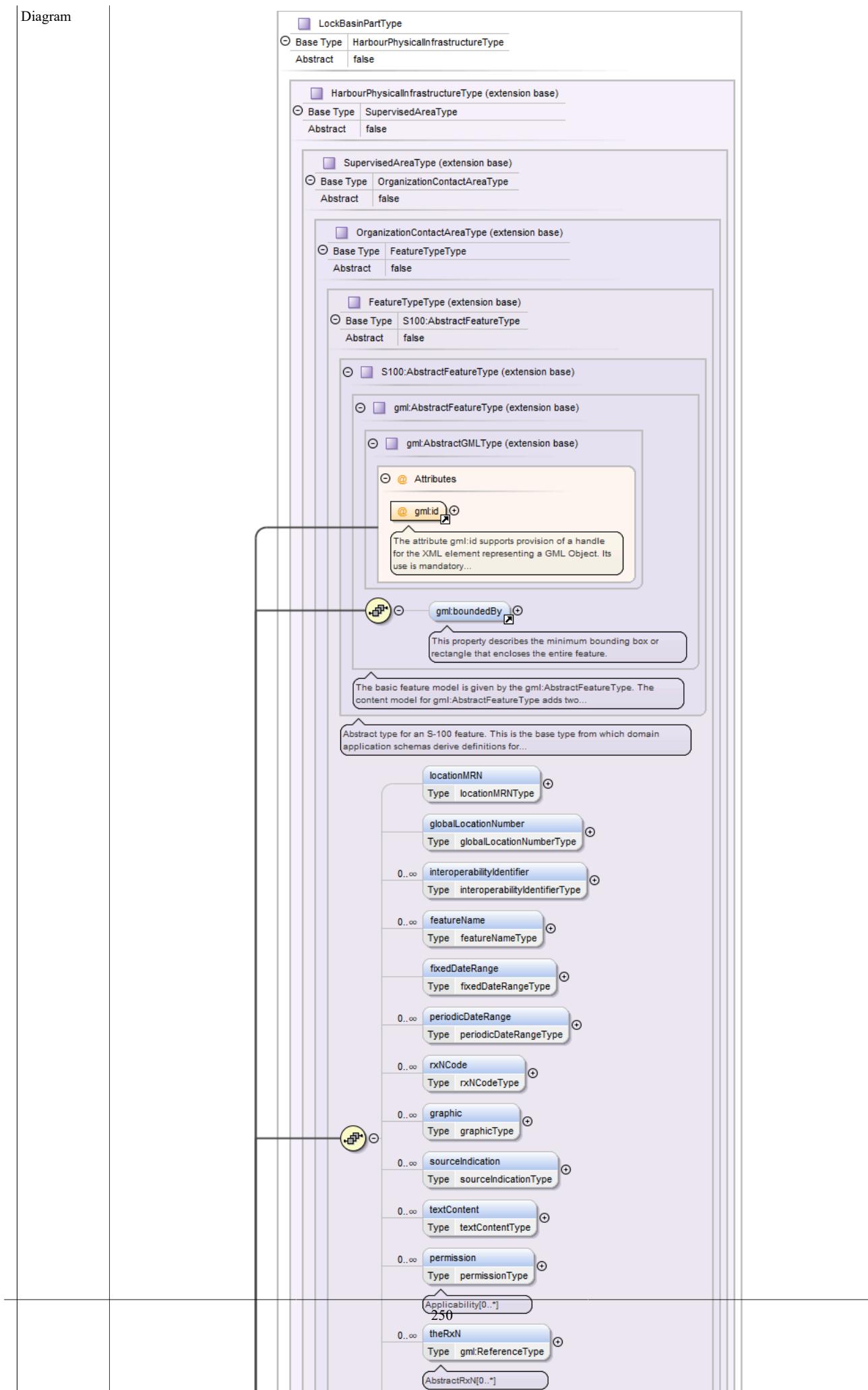
Diagram



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

Element LockBasinPart

Namespace	http://www.ihc.int/S131/2.0
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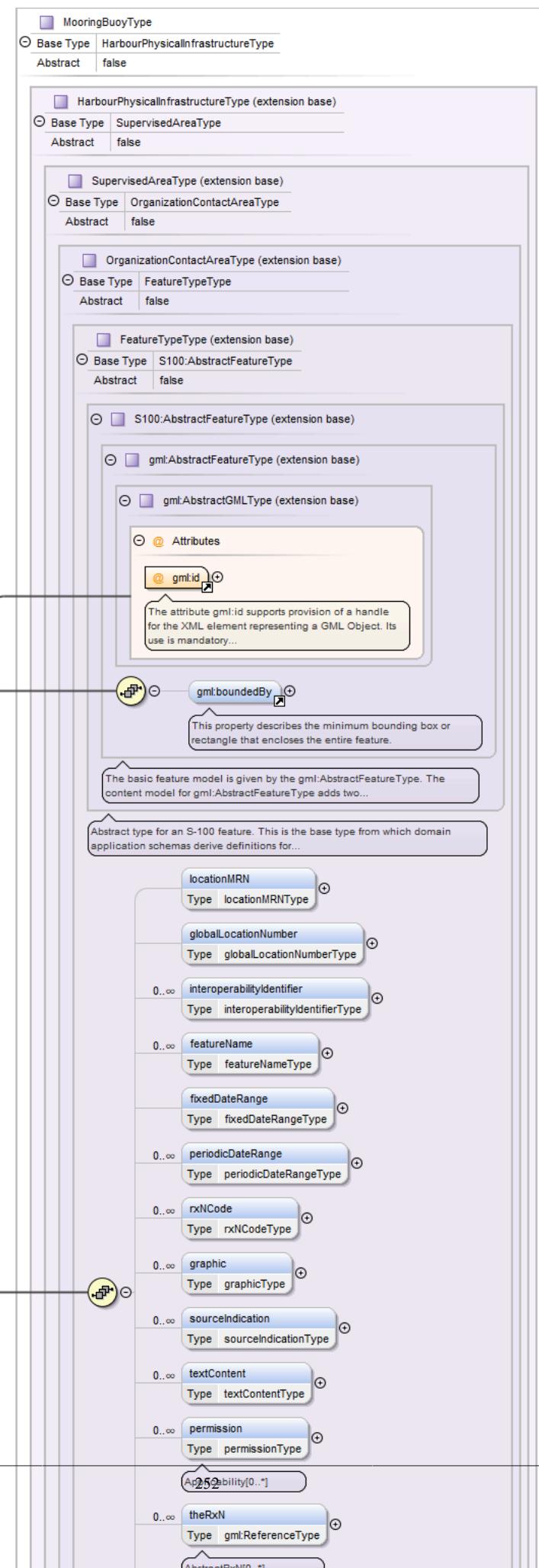


Type	LockBasinPartType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • HarbourPhysicalInfrastructureType • LockBasinPartType 														
Properties	content: complex														
Used by	Element Group MemberObjects														
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , infrastructureLocation{0,1} , sillDepth{0,1} , facilityOperatingHours{0,1} , geometry+														
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.														

Element MooringBuoy

Namespace	http://www.ihc.int/S131/2.0
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Diagram

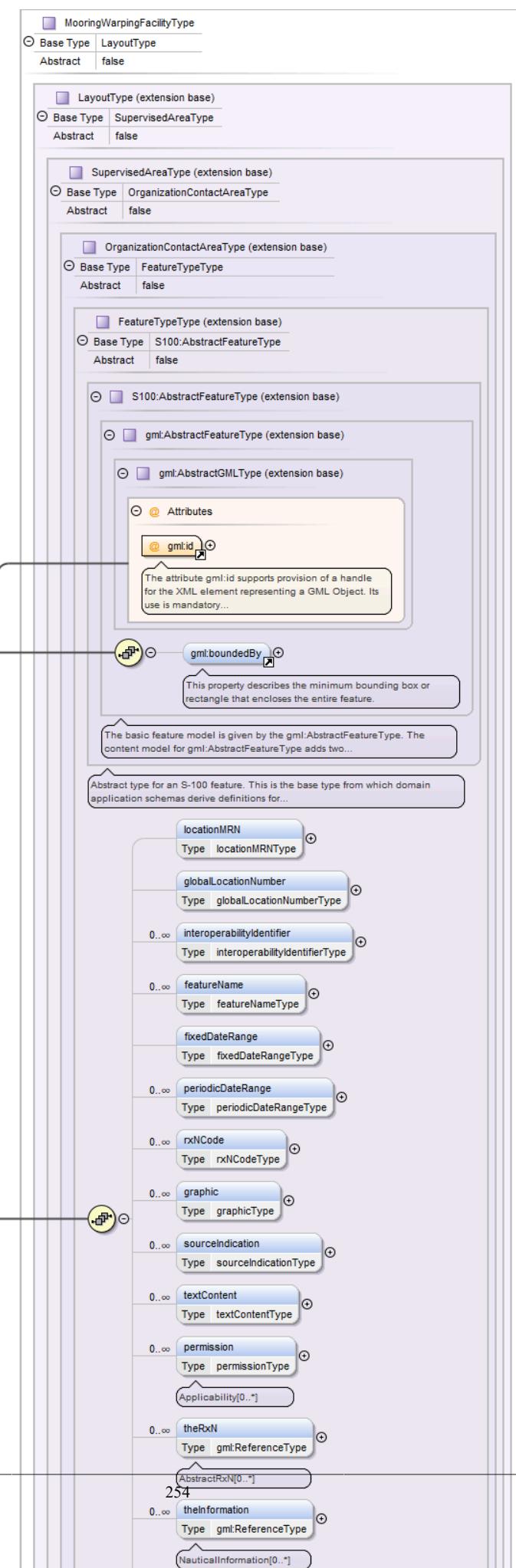


Type	MooringBuoyType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • HarbourPhysicalInfrastructureType • MooringBuoyType 										
Properties	content: complex										
Used by	Element Group MemberObjects										
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , infrastructureLocation{0,1} , maximumPermittedDraught{0,1} , maximumPermittedVesselLength{0,1} , verticalLength{0,1} , visitorsMooring{0,1} , geometry+										
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>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									

Element MooringWarpingFacility

Namespace	http://www.ihc.int/S131/2.0
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Diagram

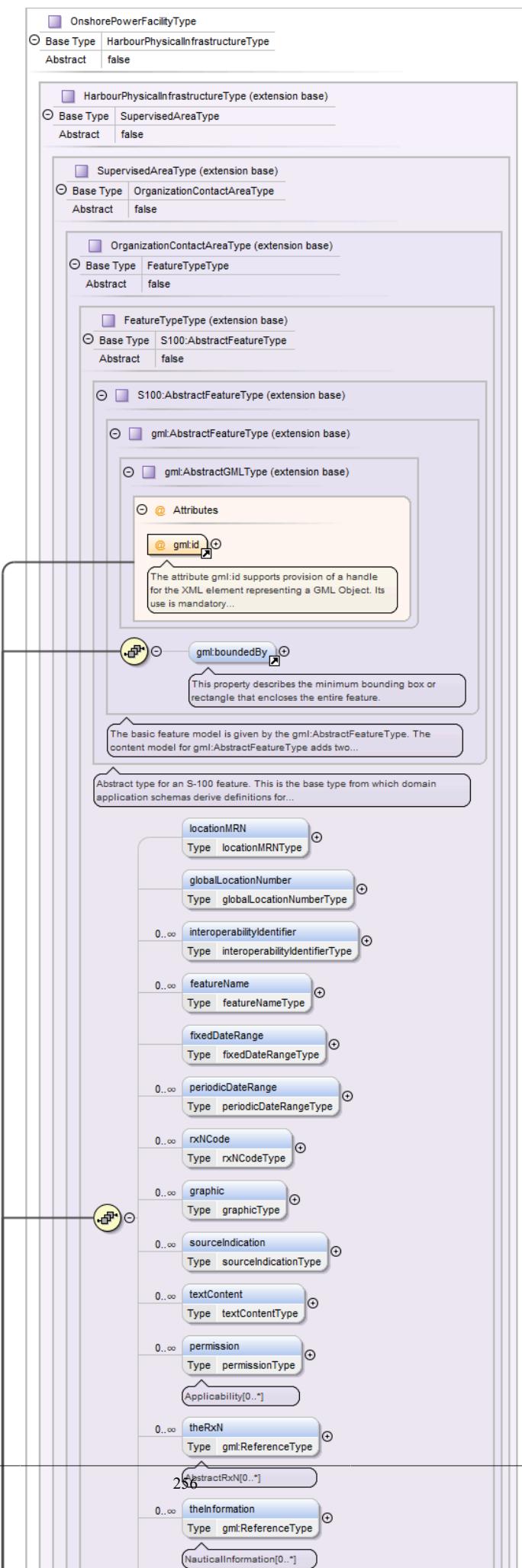


Type	MooringWarpingFacilityType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • LayoutType • MooringWarpingFacilityType 														
Properties	content: complex														
Used by	Element Group MemberObjects														
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDataRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , categoryOfMooringWarpingFacility{0,1} , iDCode , bollardDescription{0,1} , safeWorkingLoad{0,1} , heavingLinesFromShore{0,1} , serviceDescriptionReference{0,1} , facilityOperatingHours{0,1} , primaryFacility{0,1} , geometry+														
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>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.			
QName	Type	Use													
gml:id	ID	required													
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.													

Element OnshorePowerFacility

Namespace	http://www.ihc.int/S131/2.0
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Diagram

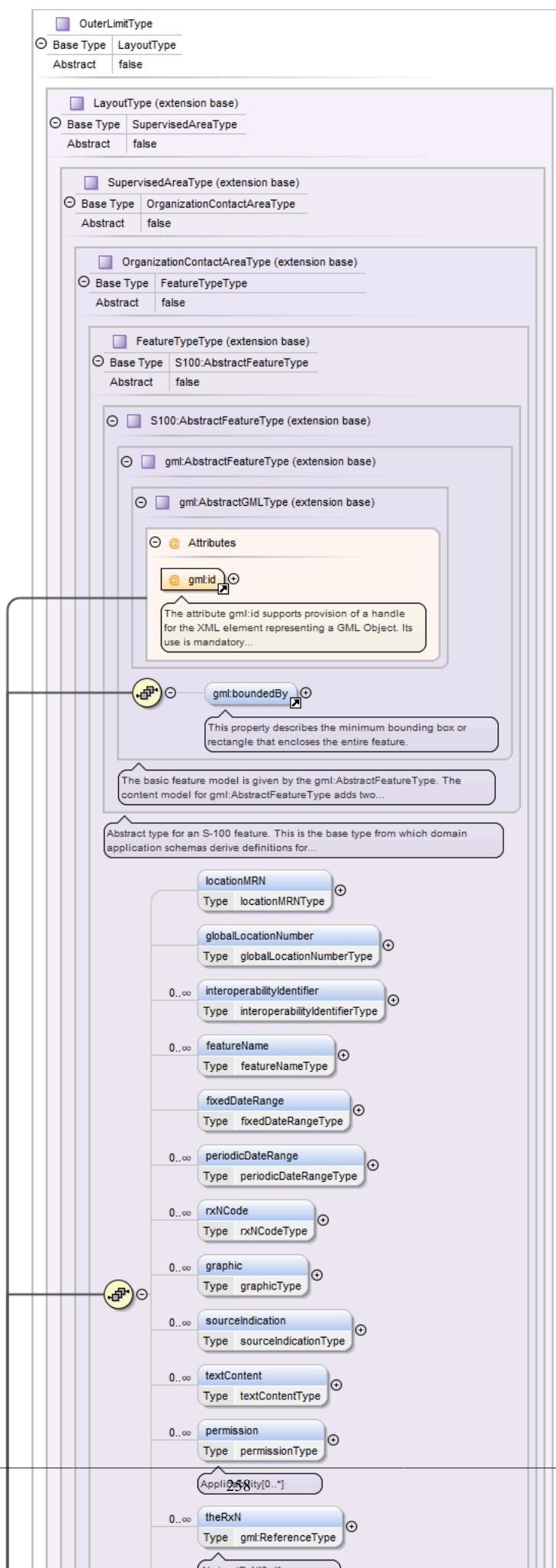


Type	OnshorePowerFacilityType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • HarbourPhysicalInfrastructureType • OnshorePowerFacilityType 														
Properties	content: complex														
Used by	Element Group MemberObjects														
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDataRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , infrastructureLocation{0,1} , categoryOfShorePowerFacility{0,1} , iDCode{0,1} , shorePowerDescription{0,1} , categoryOfVoltage* , categoryOfFrequency* , categoryOfPlug* , shorePowerServiceProvider{0,1} , facilityOperatingHours{0,1} , geometry+														
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>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.														

Element OuterLimit

Namespace	http://www.ihc.int/S131/2.0
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Diagram

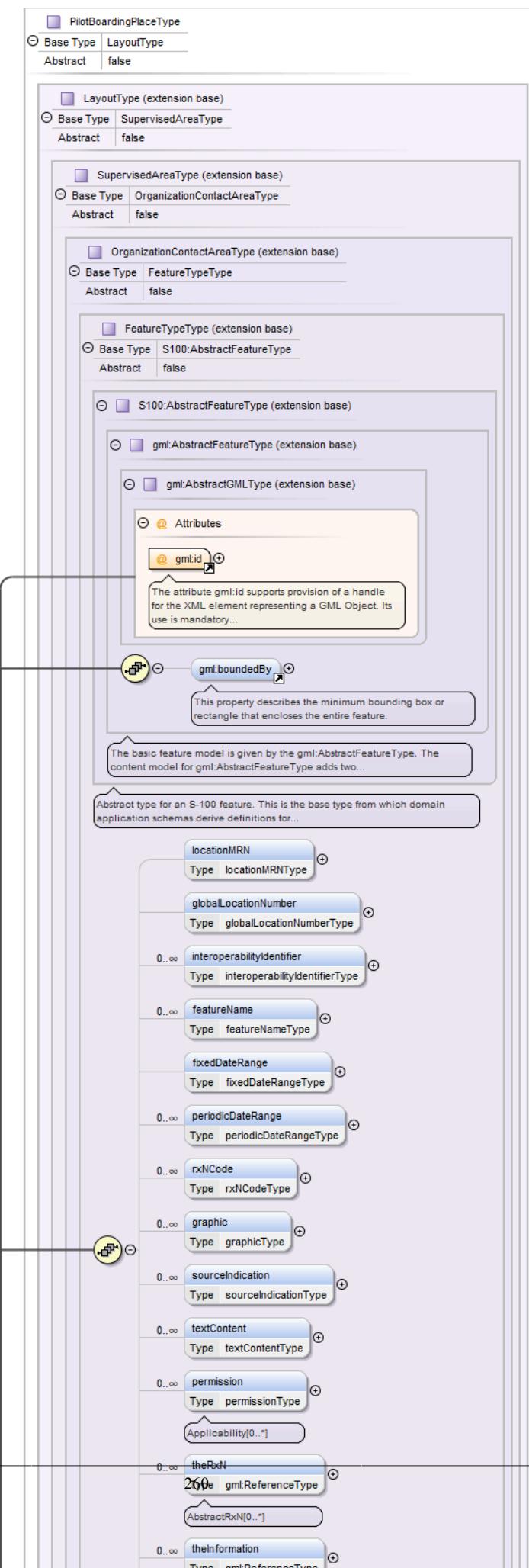


Type	OuterLimitType											
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code> • <code>FeatureTypeType</code> • <code>OrganizationContactAreaType</code> • <code>SupervisedAreaType</code> • <code>LayoutType</code> • <code>OuterLimitType</code> 											
Properties	content: complex											
Used by	Element Group MemberObjects											
Model	<code>gml:boundedBy{0,1}</code> , <code>locationMRN{0,1}</code> , <code>globalLocationNumber{0,1}</code> , <code>interoperabilityIdentifier*</code> , <code>featureName*</code> , <code>fixedDateRange{0,1}</code> , <code>periodicDateRange*</code> , <code>rxNCode*</code> , <code>graphic*</code> , <code>sourceIndication*</code> , <code>textContent*</code> , <code>permission*</code> , <code>theRxN*</code> , <code>theInformation*</code> , <code>theCartographicText{0,1}</code> , <code>theContactDetails*</code> , <code>controlAuthority{0,1}</code> , <code>limitsDescription{0,1}</code> , <code>markedBy*</code> , <code>landmarkDescription*</code> , <code>offshoreMarkDescription*</code> , <code>majorLightDescription*</code> , <code>usefulMarkDescription*</code> , <code>entranceReference{0,1}</code> , <code>limitReference</code> , <code>geometry+</code>											
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:id</code></td> <td>ID</td> <td>required</td> </tr> <tr> <td></td> <td></td> <td>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.										

Element PilotBoardingPlace

Namespace	http://www.ihc.int/S131/2.0
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Diagram

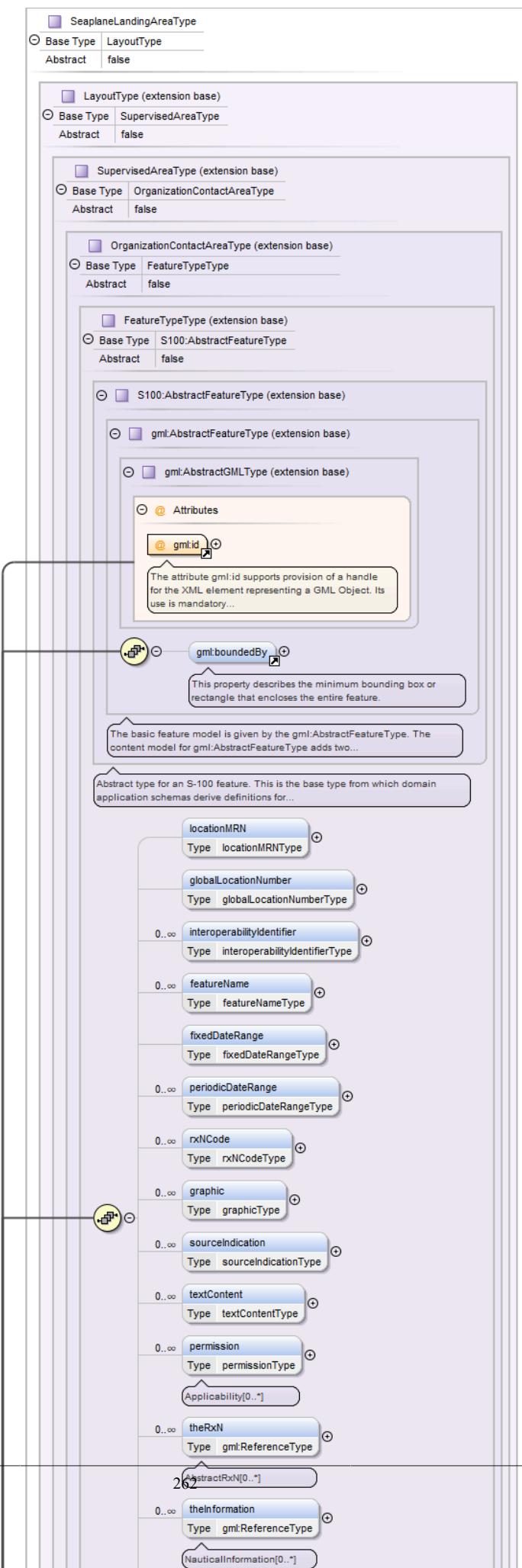


Type	PilotBoardingPlaceType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • LayoutType • PilotBoardingPlaceType 														
Properties	content: complex														
Used by	Element Group MemberObjects														
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , depthsDescription{0,1} , locationByText{0,1} , pilotMovement{0,3} , markedBy{0,1} , iSPSLevel{0,1} , facilityOperatingHours{0,1} , componentOf , geometry+														
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>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.														

Element SeaplaneLandingArea

Namespace	http://www.ihc.int/S131/2.0
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Diagram

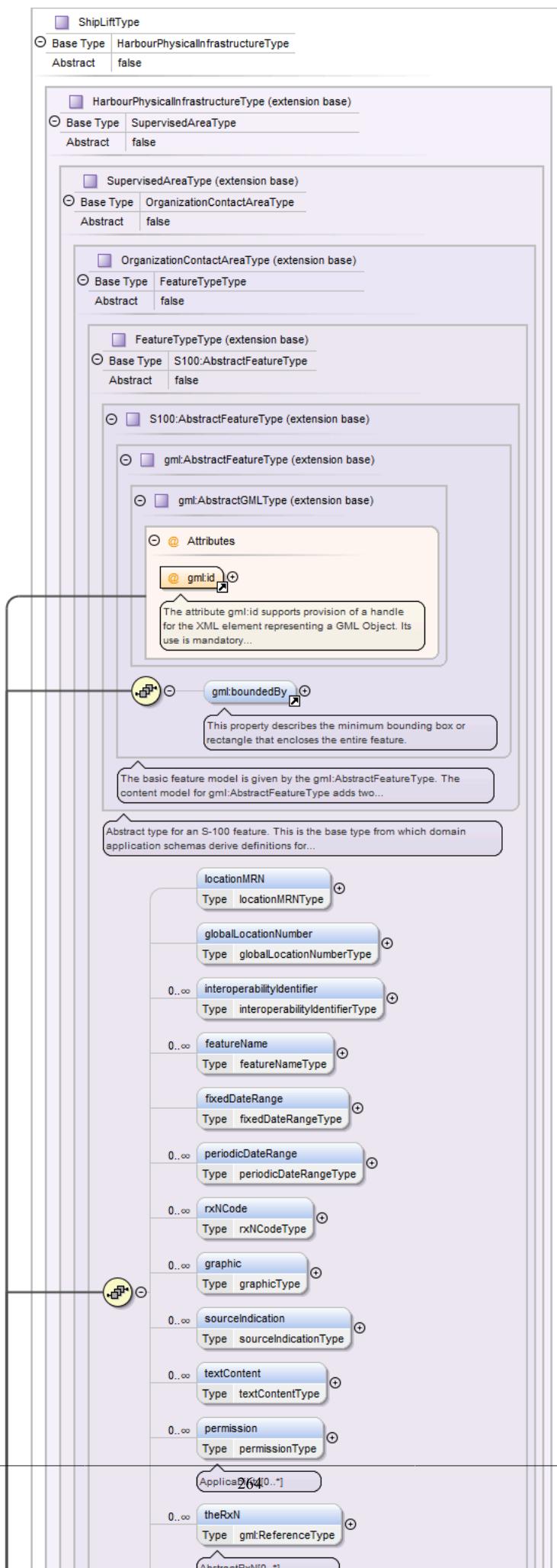


Type	SeaplaneLandingAreaType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • LayoutType • SeaplaneLandingAreaType 														
Properties	content: complex														
Used by	Element Group MemberObjects														
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDataRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , depthsDescription{0,1} , locationByText{0,1} , markedBy{0,1} , iSPSLevel{0,1} , facilityOperatingHours{0,1} , componentOf , geometry+														
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>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.														

Element **ShipLift**

Namespace	http://www.ihc.int/S131/2.0
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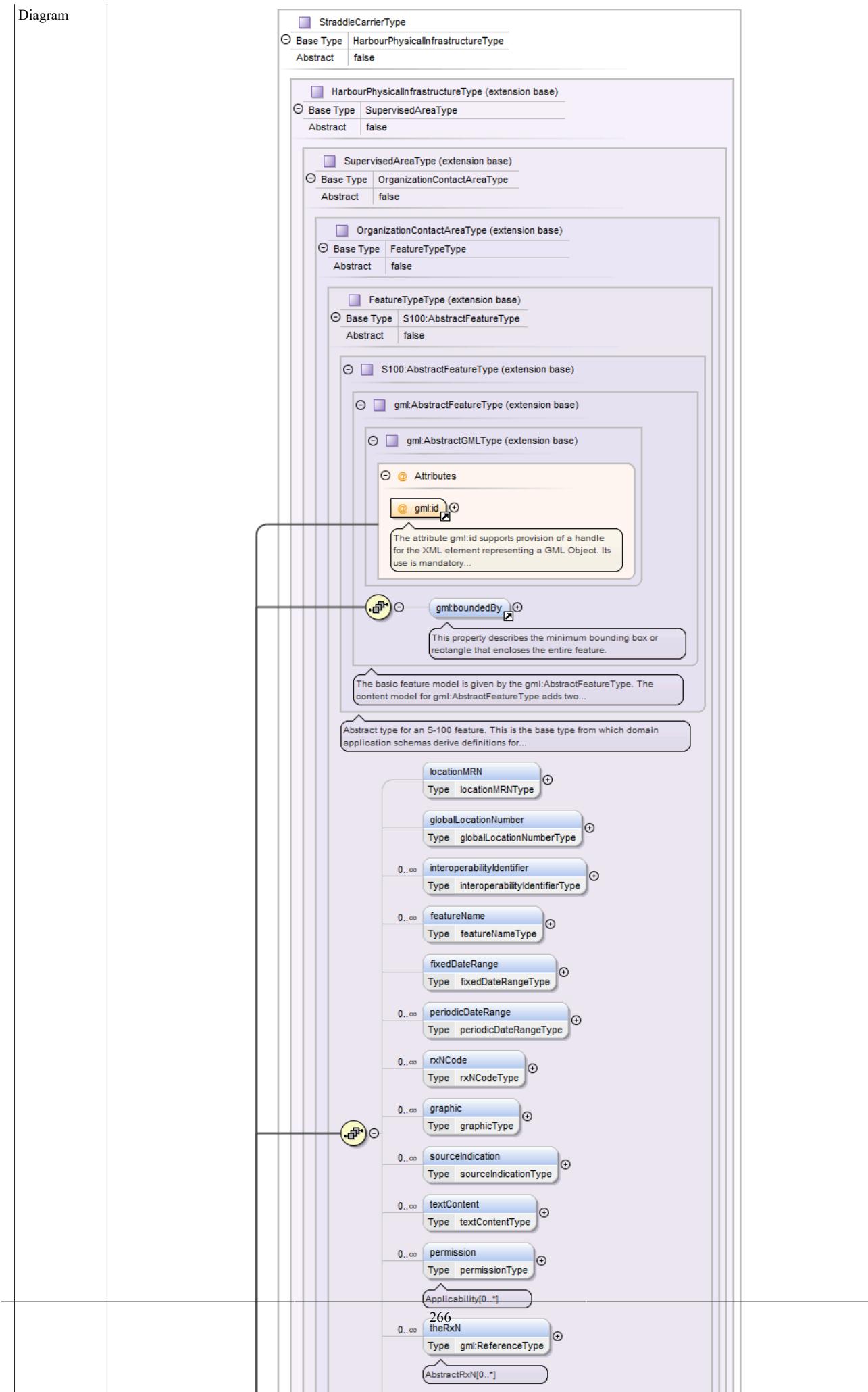
Diagram



Type	ShipLiftType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • HarbourPhysicalInfrastructureType • ShipLiftType 										
Properties	content: complex										
Used by	Element Group MemberObjects										
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , infrastructureLocation{0,1} , verticalClearanceValue{0,1} , facilityOperatingHours{0,1} , geometry+										
Attributes	<table border="1" style="width: 100%;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>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									

Element **straddleCarrier**

Namespace	http://www.ihc.int/S131/2.0
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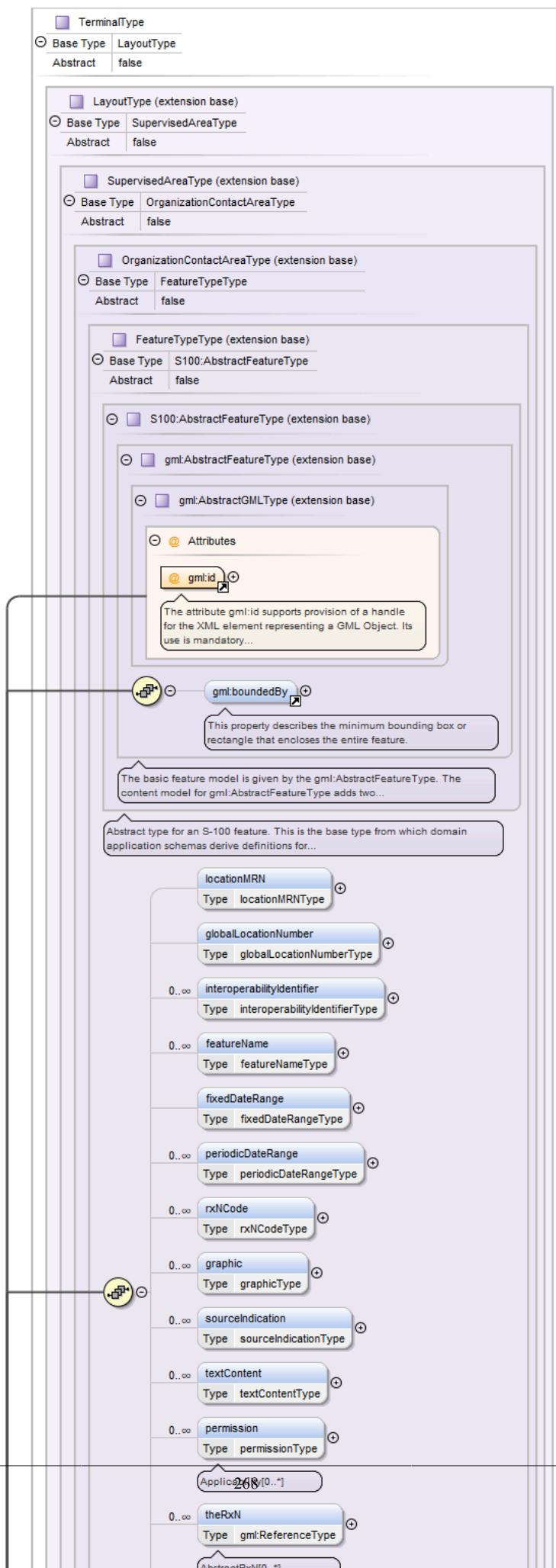


Type	StraddleCarrierType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • HarbourPhysicalInfrastructureType • StraddleCarrierType 														
Properties	content: complex														
Used by	Element Group MemberObjects														
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , infrastructureLocation{0,1} , facilityOperatingHours{0,1} , geometry+														
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> <td></td> </tr> <tr> <td></td> <td colspan="3" style="text-align: left; padding-left: 20px;">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.														

Element Terminal

Namespace	http://www.ihc.int/S131/2.0
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Diagram

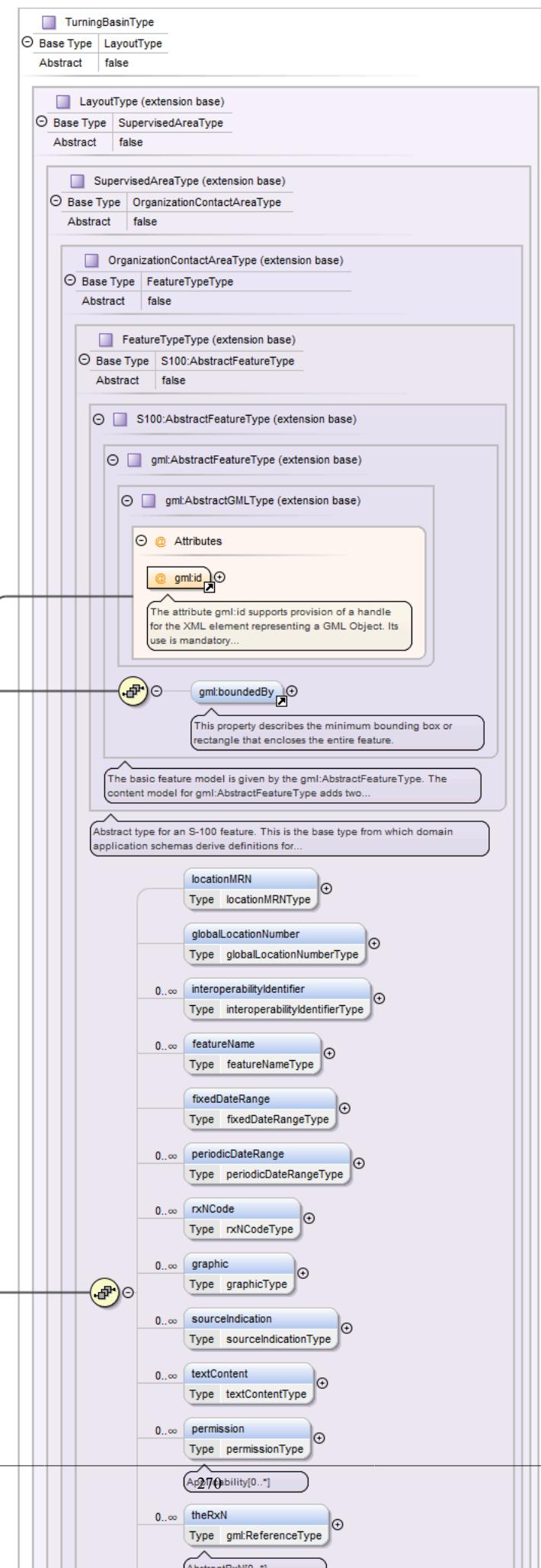


Type	TerminalType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • LayoutType • TerminalType 														
Properties	content: complex														
Used by	Element Group MemberObjects														
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDataRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , portFacilityNumber{0,1} , categoryOfTerminal{0,1} , categoryOfCargo* , product* , terminalIdentifier{0,1} , sMDGTerminalCode{0,1} , uNLocationCode{0,1} , serviceDescriptionReference{0,1} , facilityOperatingHours{0,1} , componentOf , layoutUnit* , hasInfrastructure* , geometry+														
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>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.														

Element TurningBasin

Namespace	http://www.ihc.int/S131/2.0
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Diagram

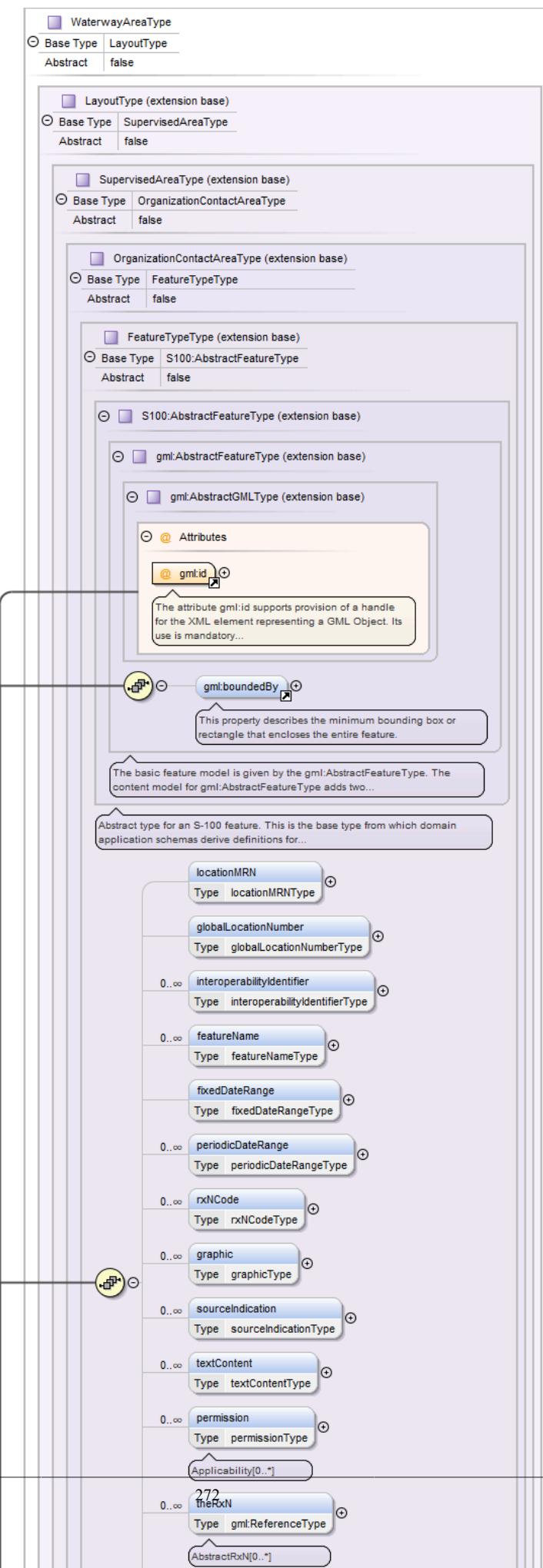


Type	TurningBasinType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • LayoutType • TurningBasinType 										
Properties	content: complex									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

Element WaterwayArea

Namespace	http://www.ihc.int/S131/2.0
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Diagram

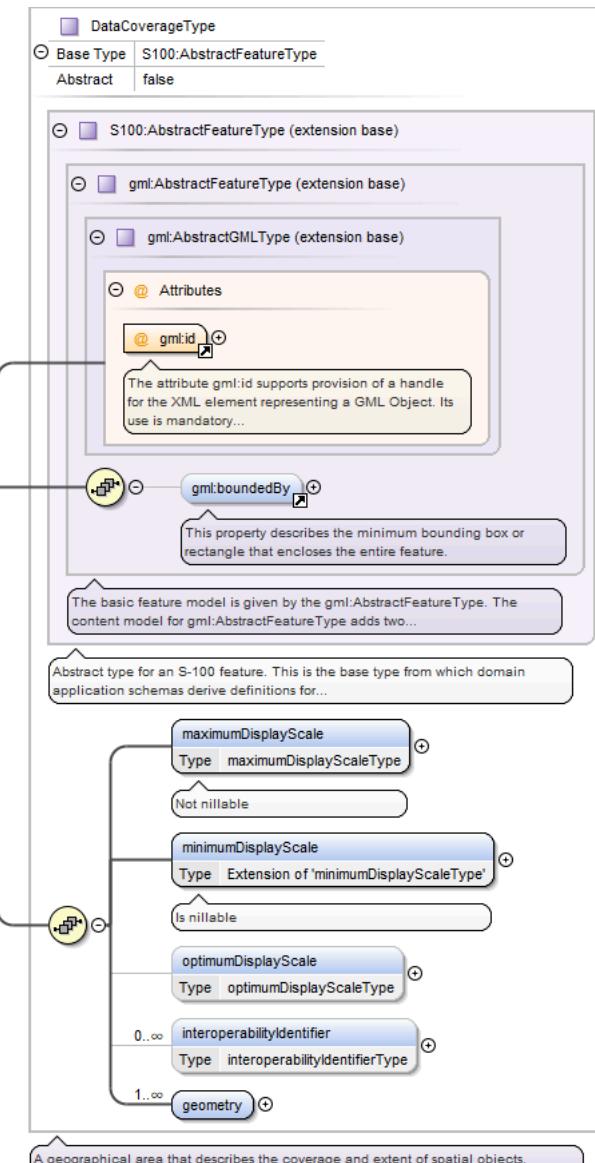


Type	WaterwayAreaType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • LayoutType • WaterwayAreaType 										
Properties	content: complex										
Used by	Element Group MemberObjects										
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , categoryOfPortSection{0,1} , depthsDescription{0,1} , locationByText{0,1} , markedBy{0,1} , facilityOperatingHours{0,1} , componentOf , geometry+										
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>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									

Element DataCoverage

Namespace	http://www.ihc.int/S131/2.0
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Diagram



Type	DataCoverageType		
Type hierarchy	<ul style="list-style-type: none"> gml:AbstractGMLType gml:AbstractFeatureType AbstractFeatureType DataCoverageType 		
Properties	content: complex		
Used by	Element Group MemberObjects		
Model	gml:boundedBy{0,1} , maximumDisplayScale , minimumDisplayScale , optimumDisplayScale{0,1} , interoperabilityIdentifier* , geometry+		
Attributes	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>	

Element QualityOfNonBathymetricData

Namespace	http://www.ihc.int/S131/2.0
Diagram	<p>The diagram illustrates the type hierarchy and attributes of the <code>QualityOfNonBathymetricData</code> element. It shows the following structure:</p> <ul style="list-style-type: none"> QualityOfNonBathymetricData (Type: <code>QualityOfNonBathymetricDataType</code>) is a concrete type derived from <code>S100:AbstractFeatureType</code>. S100:AbstractFeatureType (extension base) is derived from <code>gml:AbstractFeatureType</code>. gml:AbstractFeatureType (extension base) is derived from <code>gml:AbstractGMLType</code>. Attributes include: <ul style="list-style-type: none"> <code>@ gml:id</code>: An attribute supporting provision of a handle for the XML element representing a GML Object. Its use is mandatory. <code>gml:boundedBy</code>: A property describing the minimum bounding box or rectangle that encloses the entire feature. <code>geometry</code>: A property representing an area within which a uniform assessment of the quality of the non-bathymetric data exists. categoryOfTemporalVariation, horizontalDistanceUncertainty, horizontalPositionUncertainty, orientationUncertainty, interoperabilityIdentifier, sourceIndication, surveyDateRange, verticalUncertainty, and information are attributes of the <code>QualityOfNonBathymetricData</code> type.
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	gml:boundedBy{0,1} , categoryOfTemporalVariation{0,1} , horizontalDistanceUncertainty{0,1} , horizontalPositionUncertainty{0,1} , orientationUncertainty{0,1} , interoperabilityIdentifier* , sourceIndication{0,1} , surveyDateRange{0,1} , verticalUncertainty{0,1} , information* , geometry+										
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		gml:id	ID	required		<p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	
QName	Type	Use									
gml:id	ID	required									

Element SoundingDatum

Namespace	http://www.ihc.int/S131/2.0
Diagram	<pre> classDiagram class SoundingDatumType { <<SoundingDatumType>> <<Type>> SoundingDatumType } class S100::AbstractFeatureType { <<Base Type>> S100::AbstractFeatureType <<Abstract>> false } class gml::AbstractFeatureType { <<S100::AbstractFeatureType (extension base)>> } class gml::AbstractGMLType { <<gml::AbstractFeatureType (extension base)>> } SoundingDatumType < -- S100::AbstractFeatureType S100::AbstractFeatureType < -- gml::AbstractFeatureType gml::AbstractFeatureType < -- gml::AbstractGMLType SoundingDatumType "1..>" gml:id : String SoundingDatumType "1..>" gml:boundedBy : gml::BoundedByType SoundingDatumType "0..>" verticalDatum : SoundingDatum_verticalDatumType SoundingDatumType "0..>" information : informationType SoundingDatumType "1..>" geometry : geometryType </pre> <p>The diagram illustrates the UML class hierarchy for the SoundingDatum element. It shows that SoundingDatumType is a base type of S100:AbstractFeatureType, which is an extension base of gml:AbstractFeatureType, which is an extension base of gml:AbstractGMLType. The SoundingDatumType class has attributes: gml:id (type String, multiplicity 1..>), gml:boundedBy (type gml:BoundedByType, multiplicity 1..>), verticalDatum (type SoundingDatum_verticalDatumType, multiplicity 0..>), information (type informationType, multiplicity 0..>), and geometry (type geometryType, multiplicity 1..>). A tooltip for the gml:id attribute states: "The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory...". A tooltip for the gml:boundedBy property states: "This property describes the minimum bounding box or rectangle that encloses the entire feature...". A tooltip for the verticalDatum attribute states: "The basic feature model is given by the gml:AbstractFeatureType. The content model for gml:AbstractFeatureType adds two...". A tooltip for the SoundingDatumType class states: "Abstract type for an S-100 feature. This is the base type from which domain application schemas derive definitions for...". A tooltip for the information attribute states: "Not nullable". A tooltip for the geometry attribute states: "The horizontal plane or tidal datum to which soundings have been reduced. Also called datum for sounding reduction.".</p>
Type	SoundingDatumType
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • SoundingDatumType
Properties	content: complex
Used by	Element Group MemberObjects
Model	gml:boundedBy{0,1} , verticalDatum , information* , geometry+

Attributes	QName	Type	Use
	gml:id	ID	required

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

Element VerticalDatumOfData

Namespace	http://www.ihc.int/S131/2.0		
Diagram	<p>The diagram illustrates the inheritance path of the VerticalDatumOfData element. It starts with VerticalDatumOfData, which is a subtype of VerticalDatumOfDataType. VerticalDatumOfDataType is an abstract base type that extends S100:AbstractFeatureType. S100:AbstractFeatureType itself is an extension base for several other types, including gml:AbstractFeatureType and gml:AbstractGMLType. The gml:id attribute is shown as a required ID type, with a detailed description of its purpose. The gml:boundedBy property is also highlighted, describing it as a minimum bounding box or rectangle that encloses the entire feature. A note indicates that the basic feature model is given by gml:AbstractFeatureType, which adds two properties: verticalDatum and information.</p>		
Type	VerticalDatumOfDataType		
Type hierarchy	<ul style="list-style-type: none"> gml:AbstractGMLType gml:AbstractFeatureType AbstractFeatureType VerticalDatumOfDataType 		
Properties	content: complex		
Used by	Element Group MemberObjects		
Model	gml:boundedBy{0,1} , verticalDatum , information* , geometry+		
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.

QName	Type	Use
	type ID, so is constrained to be unique in the XML document within which it occurs.	

Element TextPlacement

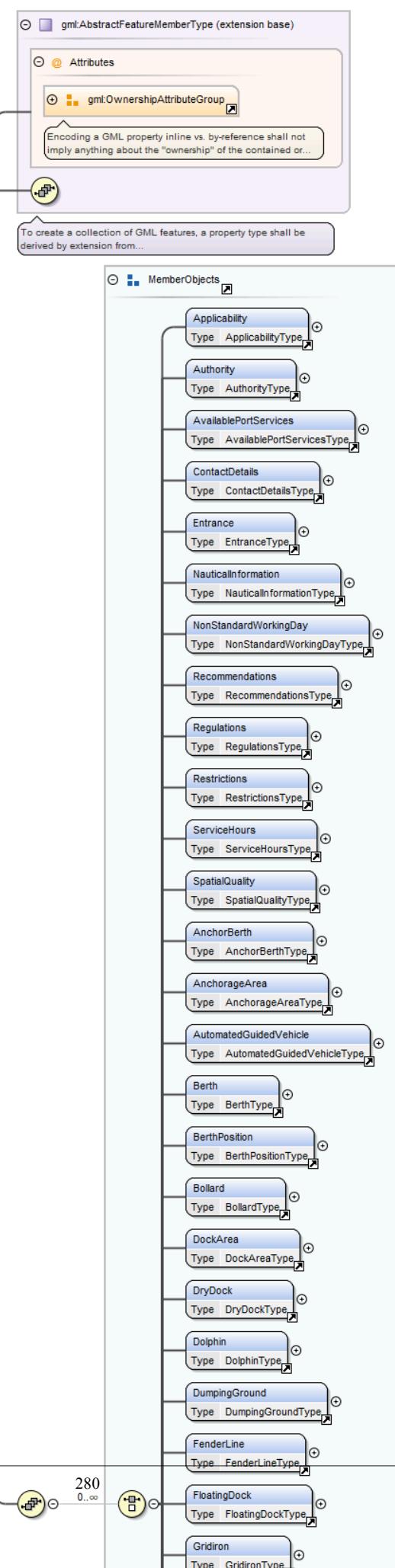
Namespace	http://www.ihc.int/S131/2.0
Diagram	<p>The diagram illustrates the inheritance path and the detailed structure of the <code>TextPlacement</code> element. It shows the following hierarchy:</p> <ul style="list-style-type: none"> TextPlacementType (Base Type: <code>S100:AbstractFeatureType</code>, Abstract: false) S100:AbstractFeatureType (extension base) <ul style="list-style-type: none"> gml:AbstractFeatureType (extension base) <ul style="list-style-type: none"> gml:AbstractGMLType (extension base) <ul style="list-style-type: none"> Attributes <ul style="list-style-type: none"> gml:id: A mandatory attribute that supports provision of a handle for the XML element representing a GML Object. gml:boundedBy: A property describing the minimum bounding box or rectangle that encloses the entire feature. TextPlacement (Type: <code>TextPlacementType</code>) <ul style="list-style-type: none"> textOffsetBearing: Type <code>textOffsetBearingType</code>, Not nullable. textOffsetDistance: Type <code>textOffsetDistanceType</code>, Not nullable. textRotation: Type <code>textRotationType</code>. textType: Type <code>TextPlacement_textTypeType</code>, Not nullable. scaleMinimum: Type <code>scaleMinimumType</code>. thePositionProvider: Type <code>gml:ReferenceType</code>. <ul style="list-style-type: none"> geometry: FeatureType[1..1]
Type	<code>TextPlacementType</code>
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code>

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

Element ThisDatasetType / members

Namespace	http://www.ihc.int/S131/2.0
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Diagram



Type	extension of gml:AbstractFeatureMemberType			
Type hierarchy	• gml:AbstractFeatureMemberType			
Properties	content: complex			
Model	(Applicability Authority AvailablePortServices ContactDetails Entrance NauticalInformation NonStandardWorkingDay Recommendations Regulations Restrictions ServiceHours SpatialQuality AnchorBerth AnchorageArea AutomatedGuided-Vehicle Berth BerthPosition Bollard DockArea DryDock Dolphin DumpingGround FenderLine FloatingDock Gridiron HarbourAreaAdministrative HarbourAreaSection HarbourBasin HarbourFacility LockBasin LockBasinPart MooringBuoy MooringWarpingFacility OnshorePowerFacility OuterLimit PilotBoardingPlace SeaplaneLandingArea ShipLift StraddleCarrier Terminal TurningBasin WaterwayArea DataCoverage QualityOfNonBathymetricData SoundingDatum VerticalDatumOfData TextPlacement)			
Attributes	QName	Type	Default	Use
	owns	boolean	false	optional

Element Dataset

Namespace	http://www.ihc.int/S131/2.0
Diagram	<p>This diagram illustrates the UML class structure for the <code>S131:DatasetType</code> element. It is an extension of the <code>S100:DatasetType</code>, which itself is an extension of the <code>gml:AbstractFeatureType</code>. The <code>S131:DatasetType</code> includes attributes such as <code>@gml:id</code> (mandatory) and <code>gml:boundedBy</code> (describes the minimum bounding box). It also contains a <code>Geometry</code> component, which defines spatial objects like <code>Point</code>, <code>MultiPoint</code>, <code>Curve</code>, <code>CompositeCurve</code>, <code>OrientableCurve</code>, <code>Surface</code>, and <code>Polygon</code>. The <code>members</code> component is defined as an extension of <code>gml:AbstractFeatureMemberType</code>.</p>

Type	ThisDatasetType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • DatasetType • ThisDatasetType 										
Properties	content: complex										
Model	gml:boundedBy{0,1} , DatasetIdentificationInformation , (Point MultiPoint Curve CompositeCurve OrientableCurve Surface Polygon) , 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> </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									

Simple Type(s)

Simple Type codelistTypeType

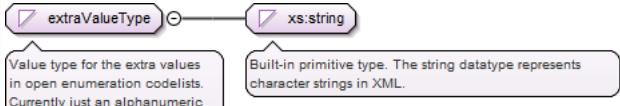
Namespace	http://www.ih0.int/S131/2.0											
Annotations	An S-100 codelist.											
Diagram	<p>An S-100 codelist.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>											
Type	restriction of xs:string											
Facets	<table> <tr> <td>enumeration</td> <td>openEnumeration</td> <td>Open enumeration</td> </tr> <tr> <td>enumeration</td> <td>openDictionary</td> <td>Open dictionary</td> </tr> <tr> <td>enumeration</td> <td>closedDictionary</td> <td>Closed Dictionary</td> </tr> </table>			enumeration	openEnumeration	Open enumeration	enumeration	openDictionary	Open dictionary	enumeration	closedDictionary	Closed Dictionary
enumeration	openEnumeration	Open enumeration										
enumeration	openDictionary	Open dictionary										
enumeration	closedDictionary	Closed Dictionary										
Used by	Attributes											
	actionOrActivityType/@codelistType, categoryOfRxNType/@codelistType, categoryOfVessel-Type/@codelistType, securitySafetyEmergencyServiceType/@codelistType, transportConnection-Type/@codelistType											

Simple Type extraLabelType

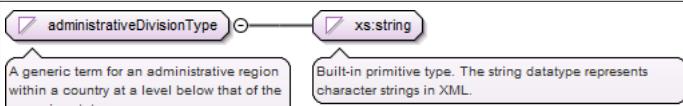
Namespace	http://www.ih0.int/S131/2.0		
Annotations	Label type for labels of extra values in open enumeration codelists. Accepts any non-empty string beginning with an alphanumeric character and not ending in whitespace. Introduced for the new S-100 5.0 GML encoding.		
Diagram	<p>Label type for labels of extra values in open enumeration codelists. Accepts any non-empty string beginning with an...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	restriction of xs:string		
Facets	pattern ([a-zA-Z0-9] [a-zA-Z0-9].*\\$)		

Simple Type extraValueType

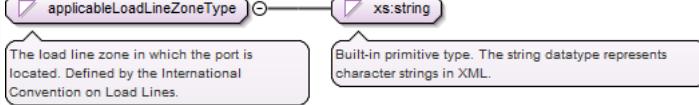
Namespace	http://www.ih0.int/S131/2.0		
Annotations	Value type for the extra values in open enumeration codelists. Currently just an alphanumeric string, but should perhaps conform to S-100 3-6.7.		

Diagram	
Type	restriction of xs:string
Facets	pattern [a-zA-Z0-9]+ ([a-zA-Z0-9]+) *
Used by	Attributes actionOrActivityType/@otherValue, categoryOfRxNType/@otherValue, categoryOfVesselType/@otherValue, securitySafetyEmergencyServiceType/@otherValue, transportConnectionType/@otherValue

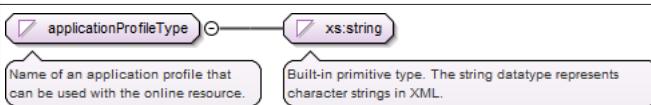
Simple Type administrativeDivisionType

Namespace	http://www.ihc.int/S131/2.0
Annotations	A generic term for an administrative region within a country at a level below that of the sovereign state.
Diagram	
Type	xs:string
Used by	Element contactAddressType/administrativeDivision

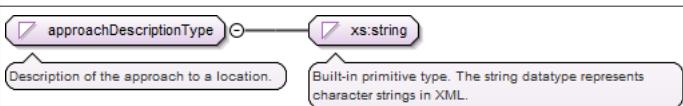
Simple Type applicableLoadLineZoneType

Namespace	http://www.ihc.int/S131/2.0
Annotations	The load line zone in which the port is located. Defined by the International Convention on Load Lines.
Diagram	
Type	xs:string
Used by	Element HarbourAreaAdministrativeType/applicableLoadLineZone

Simple Type applicationProfileType

Namespace	http://www.ihc.int/S131/2.0
Annotations	Name of an application profile that can be used with the online resource.
Diagram	
Type	xs:string
Used by	Element onlineResourceType/applicationProfile

Simple Type approachDescriptionType

Namespace	http://www.ihc.int/S131/2.0
Annotations	Description of the approach to a location.
Diagram	
Type	xs:string
Used by	Element EntranceType/approachDescription

Simple Type associatedFeatureNameType

Namespace	http://www.ihc.int/S131/2.0	
Annotations	The name of an associated feature.	
Diagram	<pre> graph LR A[associatedFeatureNameType] --> B(xs:string) </pre> <p>The diagram shows a UML-style association between the type <code>associatedFeatureNameType</code> and the primitive type <code>xs:string</code>. A callout box under <code>associatedFeatureNameType</code> says "The name of an associated feature." A callout box under <code>xs:string</code> says "Built-in primitive type. The string datatype represents character strings in XML."</p>	
Type	<code>xs:string</code>	
Used by	Element EntranceType/associatedFeatureName	

Simple Type availableBerthingLengthType

Namespace	http://www.ihc.int/S131/2.0					
Annotations	The length of a berth or dock which is available for use.					
Diagram	<pre> graph LR A[availableBerthingLengthType] --> B(xs:decimal) </pre> <p>The diagram shows a UML-style association between the type <code>availableBerthingLengthType</code> and the primitive type <code>xs:decimal</code>. A callout box under <code>availableBerthingLengthType</code> says "The length of a berth or dock which is available for use." A callout box under <code>xs:decimal</code> says "Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers."</p>					
Type	restriction of <code>xs:decimal</code>					
Facets	<table> <tr> <td>maxInclusive</td> <td>10000.0</td> </tr> <tr> <td>minInclusive</td> <td>0.0</td> </tr> </table>		maxInclusive	10000.0	minInclusive	0.0
maxInclusive	10000.0					
minInclusive	0.0					
Used by	Element BerthType/availableBerthingLength					

Simple Type berthingAssistanceLabel

Namespace	http://www.ihc.int/S131/2.0																			
Annotations	Classification of assistance for mooring or anchoring operations.																			
Diagram	<pre> graph LR A[berthingAssistanceLabel] --> B(xs:string) </pre> <p>The diagram shows a UML-style association between the type <code>berthingAssistanceLabel</code> and the primitive type <code>xs:string</code>. A callout box under <code>berthingAssistanceLabel</code> says "Classification of assistance for mooring or anchoring operations." A callout box under <code>xs:string</code> says "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>Berthing Information</td> <td>1: Information about assistance or arrangements for a service related to berthing operations.</td> </tr> <tr> <td>enumeration</td> <td>Line Personnel</td> <td>2: Personnel specializing in the mooring and unmooring of vessels.</td> </tr> <tr> <td>enumeration</td> <td>Mooring Boat</td> <td>3: A boat which assists the securement of a vessel to a berth or mooring with ropes or anchor.</td> </tr> <tr> <td>enumeration</td> <td>Mule</td> <td>4: A locomotive for moving vessels.</td> </tr> <tr> <td>enumeration</td> <td>Tugboat</td> <td>5: A powerful small boat designed to pull or push larger ships or powerless barges.</td> </tr> <tr> <td>enumeration</td> <td>Icebreaking Ship</td> <td>6: A ship equipped to make and maintain a channel through ice.</td> </tr> </table>		enumeration	Berthing Information	1: Information about assistance or arrangements for a service related to berthing operations.	enumeration	Line Personnel	2: Personnel specializing in the mooring and unmooring of vessels.	enumeration	Mooring Boat	3: A boat which assists the securement of a vessel to a berth or mooring with ropes or anchor.	enumeration	Mule	4: A locomotive for moving vessels.	enumeration	Tugboat	5: A powerful small boat designed to pull or push larger ships or powerless barges.	enumeration	Icebreaking Ship	6: A ship equipped to make and maintain a channel through ice.
enumeration	Berthing Information	1: Information about assistance or arrangements for a service related to berthing operations.																		
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enumeration	Mule	4: A locomotive for moving vessels.																		
enumeration	Tugboat	5: A powerful small boat designed to pull or push larger ships or powerless barges.																		
enumeration	Icebreaking Ship	6: A ship equipped to make and maintain a channel through ice.																		
Used by	Complex Type berthingAssistanceType																			

Simple Type berthingAssistanceCode

Namespace	http://www.ihc.int/S131/2.0				
Annotations	Classification of assistance for mooring or anchoring operations.				
Diagram	<pre> graph LR A[berthingAssistanceCode] --> B(xs:integer) </pre> <p>The diagram shows a UML-style association between the type <code>berthingAssistanceCode</code> and the primitive type <code>xs:integer</code>. A callout box under <code>berthingAssistanceCode</code> says "Classification of assistance for mooring or anchoring operations." A callout box under <code>xs:integer</code> 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 <code>xs:integer</code>				
Facets	<table> <tr> <td>enumeration</td> <td>1</td> <td>Information about assistance or arrangements for a service related to berthing operations.</td> </tr> </table>		enumeration	1	Information about assistance or arrangements for a service related to berthing operations.
enumeration	1	Information about assistance or arrangements for a service related to berthing operations.			

	enumeration	2	Personnel specializing in the mooring and unmooring of vessels.
	enumeration	3	A boat which assists the securement of a vessel to a berth or mooring with ropes or anchor.
	enumeration	4	A locomotive for moving vessels.
	enumeration	5	A powerful small boat designed to pull or push larger ships or powerless barges.
	enumeration	6	A ship equipped to make and maintain a channel through ice.
Used by	Attribute	berthingAssistanceType/@code	

Simple Type AvailablePortServices_berthingAssistanceLabel

Namespace	http://www.ihoint/S131/2.0														
Annotations	Custom enum: AvailablePortServices/berthingAssistance														
Diagram	<pre> classDiagram class AvailablePortServices_berthingAssistanceLabel { <<Custom enum: AvailablePortServices/berthingAssistance>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } AvailablePortServices_berthingAssistanceLabel "1" -- "0..1" xs_string </pre>														
Type	restriction of xs:string														
Facets	<table border="1"> <tr> <td>enumeration</td> <td>Berthing Information</td> </tr> <tr> <td>enumeration</td> <td>Line Personnel</td> </tr> <tr> <td>enumeration</td> <td>Mooring Boat</td> </tr> <tr> <td>enumeration</td> <td>Mule</td> </tr> <tr> <td>enumeration</td> <td>Tugboat</td> </tr> <tr> <td>enumeration</td> <td>Icebreaking Ship</td> </tr> </table>			enumeration	Berthing Information	enumeration	Line Personnel	enumeration	Mooring Boat	enumeration	Mule	enumeration	Tugboat	enumeration	Icebreaking Ship
enumeration	Berthing Information														
enumeration	Line Personnel														
enumeration	Mooring Boat														
enumeration	Mule														
enumeration	Tugboat														
enumeration	Icebreaking Ship														
Used by	Complex Type AvailablePortServices_berthingAssistanceType														

Simple Type AvailablePortServices_berthingAssistanceCode

Namespace	http://www.ihoint/S131/2.0																				
Annotations	Custom enum: AvailablePortServices/berthingAssistance																				
Diagram	<pre> classDiagram class AvailablePortServices_berthingAssistanceCode { <<Custom enum: AvailablePortServices/berthingAssistance>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } AvailablePortServices_berthingAssistanceCode "1" -- "0..1" xs_integer </pre>																				
Type	restriction of xs:integer																				
Facets	<table border="1"> <tr> <td>enumeration</td> <td>1</td> <td>Information about assistance or arrangements for a service related to berthing operations.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>Personnel specializing in the mooring and unmooring of vessels.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>A boat which assists the securement of a vessel to a berth or mooring with ropes or anchor.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>A locomotive for moving vessels.</td> </tr> <tr> <td>enumeration</td> <td>5</td> <td>A powerful small boat designed to pull or push larger ships or powerless barges.</td> </tr> <tr> <td>enumeration</td> <td>6</td> <td>A ship equipped to make and maintain a channel through ice.</td> </tr> </table>			enumeration	1	Information about assistance or arrangements for a service related to berthing operations.	enumeration	2	Personnel specializing in the mooring and unmooring of vessels.	enumeration	3	A boat which assists the securement of a vessel to a berth or mooring with ropes or anchor.	enumeration	4	A locomotive for moving vessels.	enumeration	5	A powerful small boat designed to pull or push larger ships or powerless barges.	enumeration	6	A ship equipped to make and maintain a channel through ice.
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Used by	Attribute AvailablePortServices_berthingAssistanceType/@code																				

Simple Type bollardDescriptionType

Namespace	http://www.ihoint/S131/2.0		
Annotations	A textual description of the type of bollard at a berth or mooring facility.		
Diagram	<pre> classDiagram class bollardDescriptionType { <<A textual description of the type of bollard at a berth or mooring facility.>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } bollardDescriptionType "1" -- "0..1" xs_string </pre>		

Type	xs:string
Used by	Elements BerthType/bollardDescription, MooringWarpingFacilityType/bollardDescription

Simple Type bollardNumberType

Namespace	http://www.ihc.int/S131/2.0
Annotations	An identifier used to locate a specific bollard.
Diagram	<pre> graph LR bollardNumberType[bollardNumberType] -- "xs:string" --> xsString[xs:string] note1[An identifier used to locate a specific bollard.] --- bollardNumberType </pre>
Type	xs:string
Used by	Elements BerthPositionType/bollardNumber, BerthType/bollardNumber

Simple Type callNameType

Namespace	http://www.ihc.int/S131/2.0
Annotations	The designated call name of a station; for example, radio station, radar station, pilot.
Diagram	<pre> graph LR callNameType[callNameType] -- "xs:string" --> xsString[xs:string] note1[The designated call name of a station; for example, radio station, radar station, pilot.] --- callNameType </pre>
Type	xs:string
Used by	Element ContactDetailsType/callName

Simple Type callSignType

Namespace	http://www.ihc.int/S131/2.0
Annotations	The designated call-sign of a station (radio station, radar station, pilot, ...).
Diagram	<pre> graph LR callSignType[callSignType] -- "xs:string" --> xsString[xs:string] note1[The designated call-sign of a station (radio station, radar station, pilot, ...).] --- callSignType </pre>
Type	xs:string
Used by	Element ContactDetailsType/callSign

Simple Type cardinalDirectionLabel

Namespace	http://www.ihc.int/S131/2.0																								
Annotations	Principal and intermediate compass points.																								
Diagram	<pre> graph LR cardinalDirectionLabel[cardinalDirectionLabel] -- "xs:string" --> xsString[xs:string] note1[Principal and intermediate compass points.] --- cardinalDirectionLabel </pre>																								
Type	restriction of xs:string																								
Facets	<table border="1"> <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> </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.
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	enumeration	South	9: 168.75-191.25 degrees.
	enumeration	South Southwest	10: 191.25-213.75 degrees.
	enumeration	Southwest	11: 213.75-236.25 degrees.
	enumeration	West Southwest	12: 236.25-258.75 degrees.
	enumeration	West	13: 258.75-281.25 degrees.
	enumeration	West Northwest	14: 281.25-303.75 degrees.
	enumeration	Northwest	15: 303.75 - 326.25 degrees.
	enumeration	North Northwest	16: 326.25 - 348.75 degrees.
Used by	Complex Type	cardinalDirectionType	

Simple Type cardinalDirectionCode

Namespace	http://www.ihoint/S131/2.0																																																		
Annotations	Principal and intermediate compass points.																																																		
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Used by	Attribute	cardinalDirectionType/@code																																																	

Simple Type bearingInformation_cardinalDirectionLabel

Namespace	http://www.ihoint/S131/2.0																				
Annotations	Restricted values of bearingInformation/cardinalDirection																				
Diagram	<p>Restricted values of bearingInformation/cardinalDirection</p>																				
Type	restriction of xs:string																				
Facets	<table border="1"> <tr> <td>enumeration</td> <td>North</td> <td></td> </tr> <tr> <td>enumeration</td> <td>North Northeast</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Northeast</td> <td></td> </tr> <tr> <td>enumeration</td> <td>East Northeast</td> <td></td> </tr> <tr> <td>enumeration</td> <td>East</td> <td></td> </tr> <tr> <td>enumeration</td> <td>East Southeast</td> <td></td> </tr> </table>			enumeration	North		enumeration	North Northeast		enumeration	Northeast		enumeration	East Northeast		enumeration	East		enumeration	East Southeast	
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	enumeration	Southeast
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	enumeration	South
	enumeration	South Southwest
	enumeration	Southwest
	enumeration	West Southwest
	enumeration	West
	enumeration	West Northwest
	enumeration	Northwest
	enumeration	North Northwest
Used by	Complex Type	bearingInformation_cardinalDirectionType

Simple Type bearingInformation_cardinalDirectionCode

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Restricted values of bearingInformation/cardinalDirection		
Diagram	<p>The diagram shows a UML class diagram with two classes: 'bearingInformation_cardinalDirectionCode' and 'xs:integer'. They are connected by a directed association line. A callout box points to the association line with the text 'Restricted values of bearingInformation/cardinalDirection'.</p>		
Type	restriction of xs:integer		
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.
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	enumeration	14	281.25-303.75 degrees.
	enumeration	15	303.75 - 326.25 degrees.
	enumeration	16	326.25 - 348.75 degrees.
Used by	Attribute	bearingInformation_cardinalDirectionType/@code	

Simple Type cargoServiceLabel

Namespace	http://www.ihc.int/S131/2.0						
Annotations	Classification of services related to the goods or items carried by vessels.						
Diagram	<pre> classDiagram class cargoServiceLabel { xs:string } cargoServiceLabel < -- xs:string </pre> <p>The diagram shows a UML class named 'cargoServiceLabel' with a single attribute 'xs:string'. A generalization arrow points from 'cargoServiceLabel' to 'xs:string', indicating that 'cargoServiceLabel' is a specialized type of 'xs:string'. Below the class, a callout box contains the annotation: 'Classification of services related to the goods or items carried by vessels.' Below the attribute, another callout box contains the annotation: '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>Stevedoring</td> <td>1: The loading, unloading, moving or handling of cargo, ship's stores, gear, or other materials, into, in, on, or out of any vessel.</td> </tr> <tr> <td>enumeration</td> <td>Cargo Surveying</td> <td>2: Inspection, evaluation or monitoring of the quantity, stowage, loading and unloading, and</td> </tr> </table>	enumeration	Stevedoring	1: The loading, unloading, moving or handling of cargo, ship's stores, gear, or other materials, into, in, on, or out of any vessel.	enumeration	Cargo Surveying	2: Inspection, evaluation or monitoring of the quantity, stowage, loading and unloading, and
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		condition of cargo, and the effects of cargoes on vessel stability and safety.
	enumeration	Cargo Lashing
	enumeration	Draught Survey
Used by	Complex Type	cargoServiceType

Simple Type cargoServiceCode

Namespace	http://www.oho.int/S131/2.0														
Annotations	Classification of services related to the goods or items carried by vessels.														
Diagram	<p>The diagram shows a UML class named 'AvailablePortServices_cargoServiceLabel' with a multiplicity of 0..1. It has a directed association to another class named 'xs:string' with a multiplicity of 0..1. A callout box for 'AvailablePortServices_cargoServiceLabel' states 'Custom enum: AvailablePortServices/cargoService'. A callout box for 'xs:string' states 'Built-in primitive type. The string datatype represents character strings in XML.'</p>														
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Facets	<table> <tr> <td>enumeration</td> <td>1</td> <td>The loading, unloading, moving or handling of cargo, ship's stores, gear, or other materials, into, in, on, or out of any vessel.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>Inspection, evaluation or monitoring of the quantity, stowage, loading and unloading, and condition of cargo, and the effects of cargoes on vessel stability and safety.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>The securement of cargo to the ship's structure and/or other cargo.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>Determination of the quantity of certain types of bulk cargo by assessment of its effect on displacement when loaded in a vessel.</td> </tr> </table>			enumeration	1	The loading, unloading, moving or handling of cargo, ship's stores, gear, or other materials, into, in, on, or out of any vessel.	enumeration	2	Inspection, evaluation or monitoring of the quantity, stowage, loading and unloading, and condition of cargo, and the effects of cargoes on vessel stability and safety.	enumeration	3	The securement of cargo to the ship's structure and/or other cargo.	enumeration	4	Determination of the quantity of certain types of bulk cargo by assessment of its effect on displacement when loaded in a vessel.
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enumeration	4	Determination of the quantity of certain types of bulk cargo by assessment of its effect on displacement when loaded in a vessel.													
Used by	Attribute	cargoServiceType/@code													

Simple Type AvailablePortServices_cargoServiceLabel

Namespace	http://www.oho.int/S131/2.0														
Annotations	Custom enum: AvailablePortServices/cargoService														
Diagram	<p>The diagram shows a UML class named 'AvailablePortServices_cargoServiceCode' with a multiplicity of 0..1. It has a directed association to another class named 'xs:integer' with a multiplicity of 0..1. A callout box for 'AvailablePortServices_cargoServiceCode' states 'Custom enum: AvailablePortServices/cargoService'. 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>														
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enumeration	Stevedoring														
enumeration	Cargo Surveying														
enumeration	Cargo Lashing														
enumeration	Draught Survey														
Used by	Complex Type	AvailablePortServices_cargoServiceType													

Simple Type AvailablePortServices_cargoServiceCode

Namespace	http://www.oho.int/S131/2.0					
Annotations	Custom enum: AvailablePortServices/cargoService					
Diagram	<p>The diagram shows a UML class named 'AvailablePortServices_cargoServiceCode' with a multiplicity of 0..1. It has a directed association to another class named 'xs:integer' with a multiplicity of 0..1. A callout box for 'AvailablePortServices_cargoServiceCode' states 'Custom enum: AvailablePortServices/cargoService'. 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					
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	enumeration	3	The securement of cargo to the ship's structure and/or other cargo.
	enumeration	4	Determination of the quantity of certain types of bulk cargo by assessment of its effect on displacement when loaded in a vessel.
Used by	Attribute	AvailablePortServices_cargoServiceType/@code	

Simple Type categoryOfAnchorLabel

Namespace	http://www.ihc.int/S131/2.0																																
Annotations	Classification of an area where different use types of vessel can remain static.																																
Diagram	<pre> graph LR categoryOfAnchorLabel[categoryOfAnchorLabel] --> xsString[xs:string] </pre> <p>Classification of an area where different use types of vessel can remain static.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>																																
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Used by	Complex Type	categoryOfAnchorLabelType																															

Simple Type categoryOfAnchorCode

Namespace	http://www.ihc.int/S131/2.0																				
Annotations	Classification of an area where different use types of vessel can remain static.																				
Diagram	<pre> graph LR categoryOfAnchorCode[categoryOfAnchorCode] --> xsInteger[xs:integer] </pre> <p>Classification of an area where different use types of vessel can remain static.</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>An area in which vessels anchor or may anchor.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>An area in which vessels of deep draught anchor or may anchor.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>An area in which tankers anchor or may anchor.</td> </tr> <tr> <td>enumeration</td> <td>5</td> <td>An area where a vessel anchors when satisfying quarantine regulations.</td> </tr> <tr> <td>enumeration</td> <td>6</td> <td>An area in which seaplanes anchor or may anchor.</td> </tr> <tr> <td>enumeration</td> <td>7</td> <td>An area in which yachts and small boats anchor or may anchor.</td> </tr> </table>			enumeration	1	An area in which vessels anchor or may anchor.	enumeration	2	An area in which vessels of deep draught anchor or may anchor.	enumeration	3	An area in which tankers anchor or may anchor.	enumeration	5	An area where a vessel anchors when satisfying quarantine regulations.	enumeration	6	An area in which seaplanes anchor or may anchor.	enumeration	7	An area in which yachts and small boats anchor or may anchor.
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	enumeration	9	An area in which vessels anchor or may anchor for periods of up to 24 hours.
	enumeration	10	An area in which vessels may anchor for a period of time not to exceed a specific limit.
	enumeration	14	An area in which vessels anchor or may anchor while waiting, for example, for access to a port or berth.
	enumeration	15	A location not defined by a regulatory authority that has been reported to be suitable and safe for anchoring.
Used by	Attribute categoryOfAnchorageType/@code		

Simple Type AnchorBerth_categoryOfAnchorageLabel

Namespace	http://www.ihc.int/S131/2.0																				
Annotations	Custom enum: AnchorBerth/categoryOfAnchorage																				
Diagram	<pre> classDiagram class AnchorBerth_categoryOfAnchorageLabel { <<Custom enum: AnchorBerth/categoryOfAnchorage>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } AnchorBerth_categoryOfAnchorageLabel "1" -- "0..1" xsString </pre>																				
Type	restriction of xs:string																				
Facets	<table border="1"> <tr><td>enumeration</td><td>Unrestricted Anchorage</td></tr> <tr><td>enumeration</td><td>Deep Water Anchorage</td></tr> <tr><td>enumeration</td><td>Tanker Anchorage</td></tr> <tr><td>enumeration</td><td>Quarantine Anchorage</td></tr> <tr><td>enumeration</td><td>Seaplane Anchorage</td></tr> <tr><td>enumeration</td><td>Small Craft Anchorage</td></tr> <tr><td>enumeration</td><td>Anchorage for Periods Up To 24 Hours</td></tr> <tr><td>enumeration</td><td>Anchorage for a Limited Period of Time</td></tr> <tr><td>enumeration</td><td>Waiting Anchorage</td></tr> </table>			enumeration	Unrestricted Anchorage	enumeration	Deep Water Anchorage	enumeration	Tanker Anchorage	enumeration	Quarantine Anchorage	enumeration	Seaplane Anchorage	enumeration	Small Craft Anchorage	enumeration	Anchorage for Periods Up To 24 Hours	enumeration	Anchorage for a Limited Period of Time	enumeration	Waiting Anchorage
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enumeration	Anchorage for a Limited Period of Time																				
enumeration	Waiting Anchorage																				
Used by	Complex Type	AnchorBerth_categoryOfAnchorageType																			

Simple Type AnchorBerth_categoryOfAnchorageCode

Namespace	http://www.ihc.int/S131/2.0																													
Annotations	Custom enum: AnchorBerth/categoryOfAnchorage																													
Diagram	<pre> classDiagram class AnchorBerth_categoryOfAnchorageCode { <<Custom enum: AnchorBerth/categoryOfAnchorage>> } class xsInteger { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } AnchorBerth_categoryOfAnchorageCode "1" -- "0..1" xsInteger </pre>																													
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Used by	Attribute	AnchorBerth_categoryOfAnchorageType/@code
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Simple Type AnchorageArea_categoryOfAnchorageLabel

Namespace	http://www.ihoint/S131/2.0																					
Annotations	Custom enum: AnchorageArea/categoryOfAnchorage																					
Diagram	<pre> classDiagram class AnchorageArea_categoryOfAnchorageLabel { <<Custom enum: AnchorageArea/categoryOfAnchorage>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML...>> } AnchorageArea_categoryOfAnchorageLabel "1" -- "0..1" xs_string </pre>																					
Type	restriction of xs:string																					
Facets	<table> <tr> <td>enumeration</td><td>Unrestricted Anchorage</td></tr> <tr> <td>enumeration</td><td>Deep Water Anchorage</td></tr> <tr> <td>enumeration</td><td>Tanker Anchorage</td></tr> <tr> <td>enumeration</td><td>Quarantine Anchorage</td></tr> <tr> <td>enumeration</td><td>Seaplane Anchorage</td></tr> <tr> <td>enumeration</td><td>Small Craft Anchorage</td></tr> <tr> <td>enumeration</td><td>Anchorage for Periods Up To 24 Hours</td></tr> <tr> <td>enumeration</td><td>Anchorage for a Limited Period of Time</td></tr> <tr> <td>enumeration</td><td>Waiting Anchorage</td></tr> <tr> <td>enumeration</td><td>Reported Anchorage</td></tr> </table>	enumeration	Unrestricted Anchorage	enumeration	Deep Water Anchorage	enumeration	Tanker Anchorage	enumeration	Quarantine Anchorage	enumeration	Seaplane Anchorage	enumeration	Small Craft Anchorage	enumeration	Anchorage for Periods Up To 24 Hours	enumeration	Anchorage for a Limited Period of Time	enumeration	Waiting Anchorage	enumeration	Reported Anchorage	
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Used by	Complex Type	AnchorageArea_categoryOfAnchorageType																				

Simple Type AnchorageArea_categoryOfAnchorageCode

Namespace	http://www.ihoint/S131/2.0																															
Annotations	Custom enum: AnchorageArea/categoryOfAnchorage																															
Diagram	<pre> classDiagram class AnchorageArea_categoryOfAnchorageCode { <<Custom enum: AnchorageArea/categoryOfAnchorage>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } AnchorageArea_categoryOfAnchorageCode "1" -- "0..1" xs_integer </pre>																															
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enumeration	15	A location not defined by a regulatory authority that has been reported to be suitable and safe for anchoring.																														
Used by	Attribute	AnchorBerth_categoryOfAnchorageType/@code																														

Simple Type categoryOfAuthorityLabel

Namespace	http://www.ihoint/S131/2.0	
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Annotations	The type of person, government agency or organisation granted powers of managing or controlling access to and/or activity in an area.		
Diagram	<p>The diagram shows a UML class named 'categoryOfAuthorityLabel' with a multiplicity of 0..1. It is connected to another 'categoryOfAuthorityLabel' via a self-loop association, indicating a recursive relationship. This association is annotated with the text: 'The type of person, government agency or organisation granted powers of managing or controlling access to and/or...'. A second annotation states: 'Built-in primitive type. The string datatype represents character strings in XML.'</p>		
Type	restriction of xs:string		
Facets	enumeration	Border Control	2: The administration to prevent or detect and prosecute violations of rules and regulations at international boundaries.
	enumeration	Police	3: The department of government, or civil force, charged with maintaining public order.
	enumeration	Port	4: Person or corporation, owners of, or entrusted with or invested with the power of managing a port. May be called a Harbour Board, Port Trust, Port Commission, Harbour Commission, Marine Department.
	enumeration	Immigration	5: The authority controlling people entering a country.
	enumeration	Health	6: The authority with responsibility for checking the validity of the health declaration of a vessel and for declaring free pratique.
	enumeration	Coast Guard	7: Organization keeping watch on shipping and coastal waters according to governmental law; normally the authority with responsibility for search and rescue.
	enumeration	Agricultural	8: The authority with responsibility for preventing infection of the agriculture of a country and for the protection of the agricultural interests of a country.
	enumeration	Military	9: A military authority which provides control of access to or approval for transit through designated areas or airspace.
	enumeration	Private Company	10: A private or publicly owned company or commercial enterprise which exercises control of facilities, for example a calibration area.
	enumeration	Maritime Police	11: A governmental or military force with jurisdiction in territorial waters. Examples could include Gendarmerie Maritime, Carabinierie, and Guardia Civil.
	enumeration	Environmental	12: An authority with responsibility for the protection of the environment.
	enumeration	Fishery	13: An authority with responsibility for the control of fisheries.
	enumeration	Finance	14: An authority with responsibility for the control and movement of money.
	enumeration	Maritime	15: A national or regional authority charged with administration of maritime affairs.
	enumeration	Customs	16: The agency or establishment for collecting duties, tolls.
Used by	Complex Type	categoryOfAuthorityType	

Simple Type categoryOfAuthorityCode

Namespace	http://www.ihc.int/S131/2.0		
Annotations	The type of person, government agency or organisation granted powers of managing or controlling access to and/or activity in an area.		
Diagram	<p>The diagram shows a UML class named 'categoryOfAuthorityCode' with a multiplicity of 0..1. It is connected to another 'categoryOfAuthorityCode' via a self-loop association, indicating a recursive relationship. This association is annotated with the text: 'The type of person, government agency or organisation granted powers of managing or controlling access to and/or...'. A second annotation 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	The administration to prevent or detect and prosecute violations of rules and regulations at international boundaries.

enumeration	3	The department of government, or civil force, charged with maintaining public order.
enumeration	4	Person or corporation, owners of, or entrusted with or invested with the power of managing a port. May be called a Harbour Board, Port Trust, Port Commission, Harbour Commission, Marine Department.
enumeration	5	The authority controlling people entering a country.
enumeration	6	The authority with responsibility for checking the validity of the health declaration of a vessel and for declaring free pratique.
enumeration	7	Organization keeping watch on shipping and coastal waters according to governmental law; normally the authority with responsibility for search and rescue.
enumeration	8	The authority with responsibility for preventing infection of the agriculture of a country and for the protection of the agricultural interests of a country.
enumeration	9	A military authority which provides control of access to or approval for transit through designated areas or airspace.
enumeration	10	A private or publicly owned company or commercial enterprise which exercises control of facilities, for example a calibration area.
enumeration	11	A governmental or military force with jurisdiction in territorial waters. Examples could include Gendarmerie Maritime, Carabinierie, and Guardia Civil.
enumeration	12	An authority with responsibility for the protection of the environment.
enumeration	13	An authority with responsibility for the control of fisheries.
enumeration	14	An authority with responsibility for the control and movement of money.
enumeration	15	A national or regional authority charged with administration of maritime affairs.
enumeration	16	The agency or establishment for collecting duties, tolls.
Used by	Attribute	categoryOfAuthorityType/@code

Simple Type AbstractRxN_categoryOfAuthorityLabel

Namespace	http://www.ihodata.org/S131/2.0																						
Annotations	Custom enum: AbstractRxN/categoryOfAuthority																						
Diagram	<pre> classDiagram class AbstractRxN_categoryOfAuthorityLabel { <<Custom enum: AbstractRxN/categoryOfAuthority>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } AbstractRxN_categoryOfAuthorityLabel --o xsString </pre>																						
Type	restriction of xs:string																						
Facets	<table border="1"> <tr><td>enumeration</td><td>Border Control</td></tr> <tr><td>enumeration</td><td>Police</td></tr> <tr><td>enumeration</td><td>Port</td></tr> <tr><td>enumeration</td><td>Immigration</td></tr> <tr><td>enumeration</td><td>Health</td></tr> <tr><td>enumeration</td><td>Coast Guard</td></tr> <tr><td>enumeration</td><td>Agricultural</td></tr> <tr><td>enumeration</td><td>Military</td></tr> <tr><td>enumeration</td><td>Private Company</td></tr> <tr><td>enumeration</td><td>Maritime Police</td></tr> <tr><td>enumeration</td><td>Environmental</td></tr> </table>	enumeration	Border Control	enumeration	Police	enumeration	Port	enumeration	Immigration	enumeration	Health	enumeration	Coast Guard	enumeration	Agricultural	enumeration	Military	enumeration	Private Company	enumeration	Maritime Police	enumeration	Environmental
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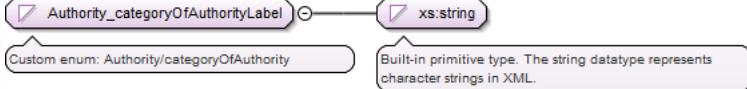
	enumeration	Fishery
	enumeration	Finance
	enumeration	Maritime
	enumeration	Customs
Used by	Complex Type	AbstractRxN_categoryOfAuthorityType

Simple Type AbstractRxN_categoryOfAuthorityCode

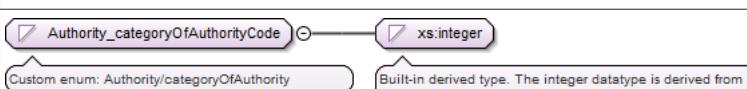
Namespace	http://www.ihc.int/S131/2.0																																														
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Used by	Attribute	AbstractRxN_categoryOfAuthorityType/@code																																													

Simple Type Authority_categoryOfAuthorityLabel

Namespace	http://www.ihc.int/S131/2.0
Annotations	Custom enum: Authority/categoryOfAuthority

Diagram																															
Type	restriction of xs:string																														
Facets	<table border="1"> <tr><td>enumeration</td><td>Border Control</td></tr> <tr><td>enumeration</td><td>Police</td></tr> <tr><td>enumeration</td><td>Port</td></tr> <tr><td>enumeration</td><td>Immigration</td></tr> <tr><td>enumeration</td><td>Health</td></tr> <tr><td>enumeration</td><td>Coast Guard</td></tr> <tr><td>enumeration</td><td>Agricultural</td></tr> <tr><td>enumeration</td><td>Military</td></tr> <tr><td>enumeration</td><td>Private Company</td></tr> <tr><td>enumeration</td><td>Maritime Police</td></tr> <tr><td>enumeration</td><td>Environmental</td></tr> <tr><td>enumeration</td><td>Fishery</td></tr> <tr><td>enumeration</td><td>Finance</td></tr> <tr><td>enumeration</td><td>Maritime</td></tr> <tr><td>enumeration</td><td>Customs</td></tr> </table>	enumeration	Border Control	enumeration	Police	enumeration	Port	enumeration	Immigration	enumeration	Health	enumeration	Coast Guard	enumeration	Agricultural	enumeration	Military	enumeration	Private Company	enumeration	Maritime Police	enumeration	Environmental	enumeration	Fishery	enumeration	Finance	enumeration	Maritime	enumeration	Customs
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enumeration	Finance																														
enumeration	Maritime																														
enumeration	Customs																														
Used by	Complex Type Authority_categoryOfAuthorityType																														

Simple Type Authority_categoryOfAuthorityCode

Namespace	http://www.ihc.int/S131/2.0																												
Annotations	Custom enum: Authority/categoryOfAuthority																												
Diagram																													
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> </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.
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	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.
	enumeration	0	
Used by	Attribute	Authority_categoryOfAuthorityType/@code	

Simple Type sourceIndication_categoryOfAuthorityLabel

Namespace	http://www.ihc.int/S131/2.0																															
Annotations	Restricted values of sourceIndication/categoryOfAuthority																															
Diagram	<p>sourceIndication_categoryOfAuthorityLabel → xs:string</p> <p>Restricted values of sourceIndication/categoryOfAuthority</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>																															
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enumeration	Customs																															
Used by	Complex Type	sourceIndication_categoryOfAuthorityType																														

Simple Type sourceIndication_categoryOfAuthorityCode

Namespace	http://www.ihc.int/S131/2.0							
Annotations	Restricted values of sourceIndication/categoryOfAuthority							
Diagram	<p>sourceIndication_categoryOfAuthorityCode → xs:integer</p> <p>Restricted values of sourceIndication/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	<table> <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> </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.
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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	sourceIndication_categoryOfAuthorityType/@code

Simple Type categoryOfBerthLocationLabel

Namespace	http://www.aho.int/S131/2.0		
Annotations	Classification of a berth according to the method of describing its location or extent.		
Diagram	<pre> classDiagram class categoryOfBerthLocationLabel { <<Classification of a berth according to the method of describing its location or extent.>> } class xs:string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } categoryOfBerthLocationLabel "1" -- "0..1" xs:string </pre>		
Type	restriction of xs:string		
Facets	enumeration	Wharf Reference Metre Mark	1: A wharf or quay with reference position(s) given by one or more metre marks.
	enumeration	Wharf Reference Position	2: A wharf or quay with reference position(s) given by one or more point or points in geographic coordinates.
	enumeration	Pier (Jetty)	3: A long, narrow structure extending into the water to afford a berthing place for vessels, to serve as a promenade, etc.
	enumeration	Multi-Buoy Mooring Berth	4: A designated facility where a vessel may moor, usually by a combination of the mooring buoys and the ship's anchors.
Used by	Complex Type	categoryOfBerthLocationType	

Simple Type categoryOfBerthLocationCode

Namespace	http://www.aho.int/S131/2.0
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Annotations	Classification of a berth according to the method of describing its location or extent.	
Diagram		
Type	restriction of xs:integer	
Facets	enumeration	1 A wharf or quay with reference position(s) given by one or more metre marks.
	enumeration	2 A wharf or quay with reference position(s) given by one or more point or points in geographic coordinates.
	enumeration	3 A long, narrow structure extending into the water to afford a berthing place for vessels, to serve as a promenade, etc.
	enumeration	4 A designated facility where a vessel may moor, usually by a combination of the mooring buoys and the ship's anchors.
Used by	Attribute	categoryOfBerthLocationType/@code

Simple Type Berth_categoryOfBerthLocationLabel

Namespace	http://www.ihoint/S131/2.0	
Annotations	Custom enum: Berth/categoryOfBerthLocation	
Diagram		
Type	restriction of xs:string	
Facets	enumeration	Wharf Reference Metre Mark
	enumeration	Wharf Reference Position
	enumeration	Pier (Jetty)
	enumeration	Multi-Buoy Mooring Berth
Used by	Complex Type	Berth_categoryOfBerthLocationType

Simple Type Berth_categoryOfBerthLocationCode

Namespace	http://www.ihoint/S131/2.0	
Annotations	Custom enum: Berth/categoryOfBerthLocation	
Diagram		
Type	restriction of xs:integer	
Facets	enumeration	1 A wharf or quay with reference position(s) given by one or more metre marks.
	enumeration	2 A wharf or quay with reference position(s) given by one or more point or points in geographic coordinates.
	enumeration	3 A long, narrow structure extending into the water to afford a berthing place for vessels, to serve as a promenade, etc.
	enumeration	4 A designated facility where a vessel may moor, usually by a combination of the mooring buoys and the ship's anchors.
Used by	Attribute	Berth_categoryOfBerthLocationType/@code

Simple Type categoryOfCargoLabel

Namespace	http://www.ihoint/S131/2.0	
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Annotations	Classification of the different types of cargo that a ship may be carrying.		
Diagram	<p>Diagram illustrating the schema type:</p> <pre> classDiagram categoryOfCargoLabel "xs:string" categoryOfCargoLabel --> xs:string </pre> <p>Annotations:</p> <ul style="list-style-type: none"> Classification of the different types of cargo that a ship may be carrying. Built-in primitive type. The string datatype represents character strings in XML. 		
Type	restriction of xs:string		
Facets	enumeration	Bulk	1: Unpacked homogenous cargo poured loose in a certain space of a vessel, for example oil or grain.
	enumeration	Container	2: One of a number of standard sized cargo carrying units, secured using standard corner attachments and bar.
	enumeration	General	3: Break bulk cargo normally loaded by crane.
	enumeration	Liquid	4: Any cargo loaded by pipeline.
	enumeration	Passenger	5: A fee paying traveller.
	enumeration	Livestock	6: Live animals carried in bulk.
	enumeration	Dangerous or Hazardous	7: Dangerous or hazardous cargo as described by the IMO International Maritime Dangerous Goods code.
	enumeration	Heavy Lift	8: Indivisible heavy items of weight generally over 100 tons, and width or height greater than 100 metres.
	enumeration	Ballast	9: Material carried by a ship to ensure its stability.
	enumeration	Dry Bulk Cargo	10: Commodity cargo that is transported unpackaged in large quantities. These types of goods usually need to be kept dry during the whole transportation period.
	enumeration	Liquid Bulk Cargo	11: Liquids or gases that are transported in bulk and carried unpackaged.
	enumeration	Reefer Container Cargo	12: Cargo transported in refrigerated containers, generally perishable commodities which require temperature-controlled transportation, such as fruit, meat, fish, vegetables, dairy products and other foods.
	enumeration	Ro-Ro Cargo	13: Wheeled cargo, such as cars, busses, trucks, agricultural vehicles and cranes, that are driven on and off the ship on their own wheels or using a platform vehicle, such as a self-propelled modular transporter.
	enumeration	Project Cargo	14: Project cargo is a term used to broadly describe the national or international transportation of large, heavy, high value, or critical (to the project they are intended for) pieces of equipment. Also commonly referred to as heavy lift, this includes shipments made of various components which need disassembly for shipment and reassembly after delivery.
	enumeration	Break Bulk Cargo	15: Goods that are stowed on board ship in individually counted units, and not in intermodal containers nor in bulk as with oil or grain.
Used by	Complex Type	categoryOfCargoType	

Simple Type categoryOfCargoCode

Namespace	http://www.oho.int/S131/2.0		
Annotations	Classification of the different types of cargo that a ship may be carrying.		
Diagram	<p>Diagram illustrating the schema type:</p> <pre> classDiagram categoryOfCargoCode "xs:integer" categoryOfCargoCode --> xs:integer </pre> <p>Annotations:</p> <ul style="list-style-type: none"> Classification of the different types of cargo that a ship may be carrying. Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This... 		
Type	restriction of xs:integer		
Facets	enumeration	1	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	Attribute	categoryOfCargoType/@code

Simple Type Applicability_categoryOfCargoLabel

Namespace	http://www.ihc.int/S131/2.0																					
Annotations	Custom enum: Applicability/categoryOfCargo																					
Diagram	<p>Custom enum: Applicability/categoryOfCargo</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>Container</td></tr> <tr><td>enumeration</td><td>Passenger</td></tr> <tr><td>enumeration</td><td>Livestock</td></tr> <tr><td>enumeration</td><td>Dangerous or Hazardous</td></tr> <tr><td>enumeration</td><td>Heavy Lift</td></tr> <tr><td>enumeration</td><td>Dry Bulk Cargo</td></tr> <tr><td>enumeration</td><td>Liquid Bulk Cargo</td></tr> <tr><td>enumeration</td><td>Reefer Container Cargo</td></tr> <tr><td>enumeration</td><td>Ro-Ro Cargo</td></tr> <tr><td>enumeration</td><td>Project Cargo</td></tr> </table>		enumeration	Container	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	Container																					
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enumeration	Livestock																					
enumeration	Dangerous or Hazardous																					
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enumeration	Reefer Container Cargo																					
enumeration	Ro-Ro Cargo																					
enumeration	Project Cargo																					

	enumeration	Break Bulk Cargo
Used by	Complex Type	Applicability_categoryOfCargoType

Simple Type Applicability_categoryOfCargoCode

Namespace	http://www.ihc.int/S131/2.0																																		
Annotations	Custom enum: Applicability/categoryOfCargo																																		
Diagram	<p>Applicability_categoryOfCargoCode is a custom enum derived from xs:integer. It includes a note: 'Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...'.</p>																																		
Type	restriction of xs:integer																																		
Facets	<table border="1"> <tr> <td>enumeration</td> <td>2</td> <td>One of a number of standard sized cargo carrying units, secured using standard corner attachments and bar.</td> </tr> <tr> <td>enumeration</td> <td>5</td> <td>A fee paying traveller.</td> </tr> <tr> <td>enumeration</td> <td>6</td> <td>Live animals carried in bulk.</td> </tr> <tr> <td>enumeration</td> <td>7</td> <td>Dangerous or hazardous cargo as described by the IMO International Maritime Dangerous Goods code.</td> </tr> <tr> <td>enumeration</td> <td>8</td> <td>Indivisible heavy items of weight generally over 100 tons, and width or height greater than 100 metres.</td> </tr> <tr> <td>enumeration</td> <td>10</td> <td>Commodity cargo that is transported unpackaged in large quantities. These types of goods usually need to be kept dry during the whole transportation period.</td> </tr> <tr> <td>enumeration</td> <td>11</td> <td>Liquids or gases that are transported in bulk and carried unpackaged.</td> </tr> <tr> <td>enumeration</td> <td>12</td> <td>Cargo transported in refrigerated containers, generally perishable commodities which require temperature-controlled transportation, such as fruit, meat, fish, vegetables, dairy products and other foods.</td> </tr> <tr> <td>enumeration</td> <td>13</td> <td>Wheeled cargo, such as cars, busses, trucks, agricultural vehicles and cranes, that are driven on and off the ship on their own wheels or using a platform vehicle, such as a self-propelled modular transporter.</td> </tr> <tr> <td>enumeration</td> <td>14</td> <td>Project cargo is a term used to broadly describe the national or international transportation 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.</td> </tr> <tr> <td>enumeration</td> <td>15</td> <td>Goods that are stowed on board ship in individually counted units, and not in intermodal containers nor in bulk as with oil or grain.</td> </tr> </table>		enumeration	2	One of a number of standard sized cargo carrying units, secured using standard corner attachments and bar.	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.
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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 Applicability_categoryOfCargoType/@code																																		

Simple Type AnchorBerth_categoryOfCargoLabel

Namespace	http://www.ihc.int/S131/2.0					
Annotations	Custom enum: AnchorBerth/categoryOfCargo					
Diagram	<p>AnchorBerth_categoryOfCargoLabel is a custom enum derived from xs:string. It includes a note: '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>Bulk</td> </tr> <tr> <td>enumeration</td> <td>Container</td> </tr> </table>		enumeration	Bulk	enumeration	Container
enumeration	Bulk					
enumeration	Container					

enumeration	General
enumeration	Liquid
enumeration	Passenger
enumeration	Livestock
enumeration	Dangerous or Hazardous
enumeration	Heavy Lift
enumeration	Ballast
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 AnchorBerth_categoryOfCargoType

Simple Type AnchorBerth_categoryOfCargoCode

Namespace	http://www.ihc.int/S131/2.0																																											
Annotations	Custom enum: AnchorBerth/categoryOfCargo																																											
Diagram	<p>Custom enum: AnchorBerth/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>																																											
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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	AnchorBerth_categoryOfCargoType/@code

Simple Type AnchorageArea_categoryOfCargoLabel

Namespace	http://www.oho.int/S131/2.0																															
Annotations	Custom enum: AnchorageArea/categoryOfCargo																															
Diagram	<pre> classDiagram class AnchorageArea_categoryOfCargoLabel { <<Custom enum: AnchorageArea/categoryOfCargo>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } AnchorageArea_categoryOfCargoLabel < -- xs_string </pre>																															
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Used by	Complex Type	AnchorageArea_categoryOfCargoType																														

Simple Type AnchorageArea_categoryOfCargoCode

Namespace	http://www.oho.int/S131/2.0																			
Annotations	Custom enum: AnchorageArea/categoryOfCargo																			
Diagram	<pre> classDiagram class AnchorageArea_categoryOfCargoCode { <<Custom enum: AnchorageArea/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..>> } AnchorageArea_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	AnchorageArea_categoryOfCargoType/@code	

Simple Type Berth_categoryOfCargoLabel

Namespace	http://www.ihoint/S131/2.0																															
Annotations	Custom enum: Berth/categoryOfCargo																															
Diagram	<pre> classDiagram class Berth_categoryOfCargoLabel { <<Custom enum: Berth/categoryOfCargo>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } Berth_categoryOfCargoLabel "1" -- "1" xsString </pre>																															
Type	restriction of xs:string																															
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Used by	Complex Type	Berth_categoryOfCargoType
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Simple Type Berth_categoryOfCargoCode

Namespace	http://www.oho.int/S131/2.0																																														
Annotations	Custom enum: Berth/categoryOfCargo																																														
Diagram	<p>The diagram illustrates the derivation of the Berth_categoryOfCargoCode type. It shows a rounded rectangle labeled "Berth_categoryOfCargoCode" connected by a line with an open circle to another rounded rectangle labeled "xs:integer". A callout box below "Berth_categoryOfCargoCode" is labeled "Custom enum: Berth/categoryOfCargo". A callout box below "xs:integer" contains the text: "Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...".</p>																																														
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Used by	Attribute	Berth_categoryOfCargoType/@code																																													

Simple Type Terminal_categoryOfCargoLabel

Namespace	http://www.oho.int/S131/2.0	
Annotations	Custom enum: Terminal/categoryOfCargo	
Diagram	<p>The diagram illustrates the derivation of the Terminal_categoryOfCargoLabel type. It shows a rounded rectangle labeled "Terminal_categoryOfCargoLabel" connected by a line with an open circle to another rounded rectangle labeled "xs:string". A callout box below "Terminal_categoryOfCargoLabel" is labeled "Custom enum: Terminal/categoryOfCargo". A callout box below "xs:string" contains the text: "Built-in primitive type. The string datatype represents character strings in XML."</p>	

Type	restriction of xs:string	
Facets	enumeration	General
	enumeration	Liquid
	enumeration	Livestock
	enumeration	Dangerous or Hazardous
	enumeration	Heavy Lift
	enumeration	Dry Bulk Cargo
	enumeration	Liquid Bulk Cargo
	enumeration	Reefer Container Cargo
	enumeration	Project Cargo
	enumeration	Break Bulk Cargo
Used by	Complex Type	Terminal_categoryOfCargoType

Simple Type Terminal_categoryOfCargoCode

Namespace	http://www.oho.int/S131/2.0	
Annotations	Custom enum: Terminal/categoryOfCargo	
Diagram	<p>The diagram shows a UML class named 'Terminal_categoryOfCargoCode' with a hollow diamond symbol indicating it is an enumeration. It has a directed association with another class named 'xs:integer'. A callout box under 'Terminal_categoryOfCargoCode' points to the text 'Custom enum: Terminal/categoryOfCargo'. A callout box under 'xs:integer' points to 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	3 Break bulk cargo normally loaded by crane.
	enumeration	4 Any cargo loaded by pipeline.
	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.
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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	Terminal_categoryOfCargoType/@code

Simple Type categoryOfCommunicationPreferenceLabel

Namespace	http://www.oho.int/S131/2.0
Annotations	Classification of frequencies, VHF channels, telephone numbers, or other means of communication based on preference.

Diagram	<p><code>categoryOfCommunicationPreferenceLabel</code> is a restriction of <code>xs:string</code>. Classification of frequencies, VHF channels, telephone numbers, or other means of communication based on preference.</p> <p><code>xs:string</code> is a built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	restriction of <code>xs:string</code>		
Facets	enumeration	Preferred Calling	1: The first choice channel or frequency to be used when calling a radio station.
	enumeration	Alternate Calling	2: A channel or frequency to be used for calling a radio station when the preferred channel or frequency is busy or is suffering from interference.
	enumeration	Preferred Working	3: The first choice channel or frequency to be used when working with a radio station.
	enumeration	Alternate Working	4: A channel or frequency to be used for working with a radio station when the preferred working channel or frequency is busy or is suffering from interference.
Used by	Complex Type	<code>categoryOfCommunicationPreferenceType</code>	

Simple Type `categoryOfCommunicationPreferenceCode`

Namespace	http://www.aho.int/S131/2.0		
Annotations	Classification of frequencies, VHF channels, telephone numbers, or other means of communication based on preference.		
Diagram	<p><code>categoryOfCommunicationPreferenceCode</code> is a restriction of <code>xs:integer</code>. Classification of frequencies, VHF channels, telephone numbers, or other means of communication based on preference.</p> <p><code>xs:integer</code> 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 <code>xs:integer</code>		
Facets	enumeration	1	The first choice channel or frequency to be used when calling a radio station.
	enumeration	2	A channel or frequency to be used for calling a radio station when the preferred channel or frequency is busy or is suffering from interference.
	enumeration	3	The first choice channel or frequency to be used when working with a radio station.
	enumeration	4	A channel or frequency to be used for working with a radio station when the preferred working channel or frequency is busy or is suffering from interference.
Used by	Attribute	<code>categoryOfCommunicationPreferenceType/@code</code>	

Simple Type `ContactDetails_categoryOfCommunicationPreferenceLabel`

Namespace	http://www.aho.int/S131/2.0		
Annotations	Custom enum: ContactDetails/categoryOfCommunicationPreference		
Diagram	<p><code>ContactDetails_categoryOfCommunicationPreferenceLabel</code> is a restriction of <code>xs:string</code>. Custom enum: ContactDetails/categoryOfCommunicationPreference</p> <p><code>xs:string</code> is a built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	restriction of <code>xs:string</code>		
Facets	enumeration	Preferred Calling	
	enumeration	Alternate Calling	
	enumeration	Preferred Working	
	enumeration	Alternate Working	
Used by	Complex Type	<code>ContactDetails_categoryOfCommunicationPreferenceType</code>	

Simple Type ContactDetails_categoryOfCommunicationPreferenceCode

Namespace	http://www.oho.int/S131/2.0	
Annotations	Custom enum: ContactDetails/categoryOfCommunicationPreference	
Diagram	<pre> graph LR A[ContactDetails_categoryOfCommunicationPreferenceCode] --> B[xs:integer] </pre>	<p>Custom enum: ContactDetails/categoryOfCommunicationPreference</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>
Type	restriction of xs:integer	
Facets	enumeration	1
		The first choice channel or frequency to be used when calling a radio station.
	enumeration	2
		A channel or frequency to be used for calling a radio station when the preferred channel or frequency is busy or is suffering from interference.
	enumeration	3
		The first choice channel or frequency to be used when working with a radio station.
	enumeration	4
		A channel or frequency to be used for working with a radio station when the preferred working channel or frequency is busy or is suffering from interference.
Used by	Attribute	ContactDetails_categoryOfCommunicationPreferenceType/@code

Simple Type telecommunications_categoryOfCommunicationPreferenceLabel

Namespace	http://www.oho.int/S131/2.0	
Annotations	Restricted values of telecommunications/categoryOfCommunicationPreference	
Diagram	<pre> graph LR A[telecommunications_categoryOfCommunicationPreferenceLabel] --> B[xs:string] </pre>	<p>Restricted values of telecommunications/categoryOfCommunicationPreference</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	restriction of xs:string	
Facets	enumeration	Preferred Calling
	enumeration	Alternate Calling
	enumeration	Preferred Working
	enumeration	Alternate Working
Used by	Complex Type	telecommunications_categoryOfCommunicationPreferenceType

Simple Type telecommunications_categoryOfCommunicationPreferenceCode

Namespace	http://www.oho.int/S131/2.0	
Annotations	Restricted values of telecommunications/categoryOfCommunicationPreference	
Diagram	<pre> graph LR A[telecommunications_categoryOfCommunicationPreferenceCode] --> B[xs:integer] </pre>	<p>Restricted values of telecommunications/categoryOfCommunicationPreference</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>
Type	restriction of xs:integer	
Facets	enumeration	1
		The first choice channel or frequency to be used when calling a radio station.
	enumeration	2
		A channel or frequency to be used for calling a radio station when the preferred channel or frequency is busy or is suffering from interference.
	enumeration	3
		The first choice channel or frequency to be used when working with a radio station.
	enumeration	4
		A channel or frequency to be used for working with a radio station when the preferred working channel or frequency is busy or is suffering from interference.
Used by	Attribute	telecommunications_categoryOfCommunicationPreferenceType/@code

Simple Type categoryOfDangerousOrHazardousCargoLabel

Namespace	http://www.oho.int/S131/2.0																																																																
Annotations	Classification of dangerous goods or hazardous materials based on the International Maritime Dangerous Goods Code (IMDG Code).																																																																
Diagram	<p>The diagram shows a UML class named 'categoryOfDangerousOrHazardousCargoLabel' with a directed association line pointing to the 'xs:string' class. A callout box below 'categoryOfDangerousOrHazardousCargoLabel' states: 'Classification of dangerous goods or hazardous materials based on the International Maritime Dangerous Goods Code (IMDG...'. Another callout box next to '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>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></td> <td>enumeration 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 the forms of containment specified for harmful substances in the IMDG Code.</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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Used by	Complex Type	categoryOfDangerousOrHazardousCargoType																																																															

Simple Type categoryOfDangerousOrHazardousCargoCode

Namespace	http://www.oho.int/S131/2.0
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Annotations	Classification of dangerous goods or hazardous materials based on the International Maritime Dangerous Goods Code (IMDG Code).	
Diagram	<p>The diagram shows a UML class named 'categoryOfDangerousOrHazardousCargoCode' with a multiplicity of 0..1. It has a directed association to another class named 'xs:integer' with a multiplicity of 0..1. A callout box for 'categoryOfDangerousOrHazardousCargoCode' states: 'Classification of dangerous goods or hazardous materials based on the International Maritime Dangerous Goods Code (IMDG...)' and a callout box for 'xs:integer' states: 'Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...'.</p>	
Type	restriction of xs:integer	
Facets	enumeration	1
		Explosives, Division 1: Substances and articles which have a mass explosion hazard.
	enumeration	2
		Explosives, Division 2: Substances and articles which have a projection hazard but not a mass explosion hazard.
	enumeration	3
		Explosives, Division 3: Substances and articles which have a fire hazard and either a minor blast hazard or a minor projection hazard or both, but not a mass explosion hazard.
	enumeration	4
		Explosives, Division 4: Substances and articles which present no significant hazard.
	enumeration	5
		Explosives, Division 5: Very insensitive substances which have a mass explosion hazard.
	enumeration	6
		Explosives, Division 6: Extremely insensitive articles which do not have a mass explosion hazard.
	enumeration	7
		Gases, flammable gases.
	enumeration	8
		Gases, non-flammable, non-toxic gases.
	enumeration	9
		Gases, toxic gases.
	enumeration	10
		Flammable liquids.
	enumeration	11
		Flammable solids, self-reactive substances and desensitized explosives.
	enumeration	12
		Substances liable to spontaneous combustion.
	enumeration	13
		Substances which, in contact with water, emit flammable gases.
	enumeration	14
		Oxidizing substances.
	enumeration	15
		Organic peroxides.
	enumeration	16
		Toxic substances.
	enumeration	17
		Infectious substances.
	enumeration	18
		Radioactive material.
	enumeration	19
		Corrosive substances.
	enumeration	20
		Miscellaneous dangerous substances and articles.
	enumeration	21
		Harmful substances are those substances which are identified as marine pollutants in the International Maritime Dangerous Goods Code (IMDG Code). Packaged form is defined as the forms of containment specified for harmful substances in the IMDG Code.
Used by	Attribute	categoryOfDangerousOrHazardousCargoType/@code

Simple Type Applicability_categoryOfDangerousOrHazardousCargoLabel

Namespace	http://www.ihc.int/S131/2.0	
Annotations	Custom enum: Applicability/categoryOfDangerousOrHazardousCargo	
Diagram	<p>The diagram shows a UML class named 'Applicability_categoryOfDangerousOrHazardousCargoLabel' with a multiplicity of 0..1. It has a directed association to another class named 'xs:string' with a multiplicity of 0..1. A callout box for 'Applicability_categoryOfDangerousOrHazardousCargoLabel' states: 'Custom enum: Applicability/categoryOfDangerousOrHazardousCargo' and a callout box for 'xs:string' states: 'Built-in primitive type. The string datatype represents character strings in XML.'</p>	
Type	restriction of xs:string	
Facets	enumeration	IMDG Code Class 1 Div. 1.1
	enumeration	IMDG Code Class 1 Div. 1.2

	enumeration	IMDG Code Class 1 Div. 1.3
	enumeration	IMDG Code Class 1 Div. 1.4
	enumeration	IMDG Code Class 1 Div. 1.5
	enumeration	IMDG Code Class 1 Div. 1.6
	enumeration	IMDG Code Class 2 Div. 2.1
	enumeration	IMDG Code Class 2 Div. 2.2
	enumeration	IMDG Code Class 2 Div. 2.3
	enumeration	IMDG Code Class 3
	enumeration	IMDG Code Class 4 Div. 4.1
	enumeration	IMDG Code Class 4 Div. 4.2
	enumeration	IMDG Code Class 4 Div. 4.3
	enumeration	IMDG Code Class 5 Div. 5.1
	enumeration	IMDG Code Class 5 Div. 5.2
	enumeration	IMDG Code Class 6 Div. 6.1
	enumeration	IMDG Code Class 6 Div. 6.2
	enumeration	IMDG Code Class 7
	enumeration	IMDG Code Class 8
	enumeration	IMDG Code Class 9
	enumeration	Harmful Substances in Packaged Form
Used by	Complex Type	Applicability_categoryOfDangerousOrHazardousCargoType

Simple Type Applicability_categoryOfDangerousOrHazardousCargoCode

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Custom enum: Applicability/categoryOfDangerousOrHazardousCargo		
Diagram	<p>Custom enum: Applicability/categoryOfDangerousOrHazardousCargo</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	Explosives, Division 1: Substances and articles which have a mass explosion hazard.
	enumeration	2	Explosives, Division 2: Substances and articles which have a projection hazard but not a mass explosion hazard.
	enumeration	3	Explosives, Division 3: Substances and articles which have a fire hazard and either a minor blast hazard or a minor projection hazard or both, but not a mass explosion hazard.
	enumeration	4	Explosives, Division 4: Substances and articles which present no significant hazard.
	enumeration	5	Explosives, Division 5: Very insensitive substances which have a mass explosion hazard.

	enumeration	6	Explosives, Division 6: Extremely insensitive articles which do not have a mass explosion hazard.
	enumeration	7	Gases, flammable gases.
	enumeration	8	Gases, non-flammable, non-toxic gases.
	enumeration	9	Gases, toxic gases.
	enumeration	10	Flammable liquids.
	enumeration	11	Flammable solids, self-reactive substances and desensitized explosives.
	enumeration	12	Substances liable to spontaneous combustion.
	enumeration	13	Substances which, in contact with water, emit flammable gases.
	enumeration	14	Oxidizing substances.
	enumeration	15	Organic peroxides.
	enumeration	16	Toxic substances.
	enumeration	17	Infectious substances.
	enumeration	18	Radioactive material.
	enumeration	19	Corrosive substances.
	enumeration	20	Miscellaneous dangerous substances and articles.
	enumeration	21	Harmful substances are those substances which are identified as marine pollutants in the International Maritime Dangerous Goods Code (IMDG Code). Packaged form is defined as the forms of containment specified for harmful substances in the IMDG Code.
Used by	Attribute	Applicability_categoryOfDangerousOrHazardousCargoType/@code	

Simple Type categoryOfDepthsDescriptionLabel

Namespace	http://www.oho.int/S131/2.0											
Annotations	Classification of significant aspects of depths about which information is provided.											
Diagram	<p>The diagram shows a UML class named 'categoryOfDepthsDescriptionLabel' with a hollow diamond symbol indicating it is derived from another class. This diamond is connected to a box labeled 'xs:string'. Below the class name is a note: 'Classification of significant aspects of depths about which information is provided.' To the right of the inheritance arrow is another note: '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>Shoal</td> <td>1: A shallow elevation composed of unconsolidated material that may constitute a hazard to surface navigation.</td> </tr> <tr> <td>enumeration</td> <td>General Depth</td> <td>2: General information about the vertical distance from the water surface to the bottom.</td> </tr> <tr> <td>enumeration</td> <td>Controlling Depth</td> <td>3: The least depth in the approach or channel to an area, such as a port or anchorage, governing the maximum draft of vessels that can enter.</td> </tr> </table>			enumeration	Shoal	1: A shallow elevation composed of unconsolidated material that may constitute a hazard to surface navigation.	enumeration	General Depth	2: General information about the vertical distance from the water surface to the bottom.	enumeration	Controlling Depth	3: The least depth in the approach or channel to an area, such as a port or anchorage, governing the maximum draft of vessels that can enter.
enumeration	Shoal	1: A shallow elevation composed of unconsolidated material that may constitute a hazard to surface navigation.										
enumeration	General Depth	2: General information about the vertical distance from the water surface to the bottom.										
enumeration	Controlling Depth	3: The least depth in the approach or channel to an area, such as a port or anchorage, governing the maximum draft of vessels that can enter.										
Used by	Complex Type	categoryOfDepthsDescriptionType										

Simple Type categoryOfDepthsDescriptionCode

Namespace	http://www.oho.int/S131/2.0								
Annotations	Classification of significant aspects of depths about which information is provided.								
Diagram	<p>The diagram shows a UML class named 'categoryOfDepthsDescriptionCode' with a hollow diamond symbol indicating it is derived from another class. This diamond is connected to a box labeled 'xs:integer'. Below the class name is a note: 'Classification of significant aspects of depths about which information is provided.' To the right of the inheritance arrow is another note: '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 shallow elevation composed of unconsolidated material that may constitute a hazard to surface navigation.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>General information about the vertical distance from the water surface to the bottom.</td> </tr> </table>			enumeration	1	A shallow elevation composed of unconsolidated material that may constitute a hazard to surface navigation.	enumeration	2	General information about the vertical distance from the water surface to the bottom.
enumeration	1	A shallow elevation composed of unconsolidated material that may constitute a hazard to surface navigation.							
enumeration	2	General information about the vertical distance from the water surface to the bottom.							

	enumeration	3	The least depth in the approach or channel to an area, such as a port or anchorage, governing the maximum draft of vessels that can enter.
Used by	Attribute	categoryOfDepthsDescriptionType/@code	

Simple Type depthsDescription_categoryOfDepthsDescriptionLabel

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Restricted values of depthsDescription/categoryOfDepthsDescription		
Diagram	<pre> classDiagram class depthsDescription_categoryOfDepthsDescriptionLabel { <<Restricted values of depthsDescription/categoryOfDepthsDescription>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } depthsDescription_categoryOfDepthsDescriptionLabel < -- xsString </pre>		
Type	restriction of xs:string		
Facets	enumeration	Shoal	
	enumeration	General Depth	
	enumeration	Controlling Depth	
Used by	Complex Type	depthsDescription_categoryOfDepthsDescriptionType	

Simple Type depthsDescription_categoryOfDepthsDescriptionCode

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Restricted values of depthsDescription/categoryOfDepthsDescription		
Diagram	<pre> classDiagram class depthsDescription_categoryOfDepthsDescriptionCode { <<Restricted values of depthsDescription/categoryOfDepthsDescription>> } class xsInteger { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } depthsDescription_categoryOfDepthsDescriptionCode < -- xsInteger </pre>		
Type	restriction of xs:integer		
Facets	enumeration	1	A shallow elevation composed of unconsolidated material that may constitute a hazard to surface navigation.
	enumeration	2	General information about the vertical distance from the water surface to the bottom.
	enumeration	3	The least depth in the approach or channel to an area, such as a port or anchorage, governing the maximum draft of vessels that can enter.
Used by	Attribute	depthsDescription_categoryOfDepthsDescriptionType/@code	

Simple Type categoryOfDolphinLabel

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Classification of a post or group of posts, used for mooring or warping a vessel.		
Diagram	<pre> classDiagram class categoryOfDolphinLabel { <<Classification of a post or group of posts, used for mooring or warping a vessel.>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } categoryOfDolphinLabel < -- xsString </pre>		
Type	restriction of xs:string		
Facets	enumeration	Mooring Dolphin	1: A post or group of posts driven into the seabed or riverbed, used as a mooring point for vessels.
	enumeration	Deviation Dolphin	2: A post or group of posts, which a vessel may swing around for compass adjustment.
	enumeration	Berthing Dolphin	3: A post or group of posts driven into the seabed or riverbed, used to extend the berth of a vessel by providing extra mooring points.
	enumeration	Fender or Breasting Dolphin	4: A post or group of posts driven into the seabed or riverbed, used to assist in berthing of vessels by taking up some berthing loads; keep vessels from pressing against the pier structure; or to protect structures from possible impact by ships.

Used by	Complex Type	categoryOfDolphinType
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Simple Type categoryOfDolphinCode

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Classification of a post or group of posts, used for mooring or warping a vessel.		
Diagram	<p>Diagram illustrating the inheritance relationship between categoryOfDolphinCode and xs:integer. categoryOfDolphinCode is shown as a class with a generalization arrow pointing to xs:integer. A callout box below the diagram states: 'Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...' Another callout box to the left of the diagram states: 'Classification of a post or group of posts, used for mooring or warping a vessel.'</p>		
Type	restriction of xs:integer		
Facets	enumeration	1	A post or group of posts driven into the seabed or riverbed, used as a mooring point for vessels.
	enumeration	2	A post or group of posts, which a vessel may swing around for compass adjustment.
	enumeration	3	A post or group of posts driven into the seabed or riverbed, used to extend the berth of a vessel by providing extra mooring points.
	enumeration	4	A post or group of posts driven into the seabed or riverbed, used to assist in berthing of vessels by taking up some berthing loads; keep vessels from pressing against the pier structure; or to protect structures from possible impact by ships.
Used by	Attribute	categoryOfDolphinType/@code	

Simple Type Dolphin_categoryOfDolphinLabel

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Custom enum: Dolphin/categoryOfDolphin		
Diagram	<p>Diagram illustrating the inheritance relationship between Dolphin_categoryOfDolphinLabel and xs:string. Dolphin_categoryOfDolphinLabel is shown as a class with a generalization arrow pointing to xs:string. A callout box below the diagram states: 'Custom enum: Dolphin/categoryOfDolphin'. Another callout box to the right of the diagram states: 'Built-in primitive type. The string datatype represents character strings in XML.'</p>		
Type	restriction of xs:string		
Facets	enumeration	Mooring Dolphin	
	enumeration	Deviation Dolphin	
	enumeration	Berthing Dolphin	
	enumeration	Fender or Breasting Dolphin	
Used by	Complex Type	Dolphin_categoryOfDolphinType	

Simple Type Dolphin_categoryOfDolphinCode

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Custom enum: Dolphin/categoryOfDolphin		
Diagram	<p>Diagram illustrating the inheritance relationship between Dolphin_categoryOfDolphinCode and xs:integer. Dolphin_categoryOfDolphinCode is shown as a class with a generalization arrow pointing to xs:integer. A callout box below the diagram states: 'Custom enum: Dolphin/categoryOfDolphin'. Another callout box to the right of the diagram 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	A post or group of posts driven into the seabed or riverbed, used as a mooring point for vessels.
	enumeration	2	A post or group of posts, which a vessel may swing around for compass adjustment.
	enumeration	3	A post or group of posts driven into the seabed or riverbed, used to extend the berth of a vessel by providing extra mooring points.

	enumeration	4	A post or group of posts driven into the seabed or riverbed, used to assist in berthing of vessels by taking up some berthing loads; keep vessels from pressing against the pier structure; or to protect structures from possible impact by ships.
	enumeration	0	
Used by	Attribute	Dolphin_categoryOfDolphinType/@code	

Simple Type categoryOfFrequencyLabel

Namespace	http://www.ihc.int/S131/2.0								
Annotations	The electrical frequency provided by the power supply station.								
Diagram	<pre> classDiagram class categoryOfFrequencyLabel { <<The electrical frequency provided by the power supply station.>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } categoryOfFrequencyLabel ⊂ xs_string </pre>								
Type	restriction of xs:string								
Facets	<table> <tr> <td>enumeration</td> <td>50Hz</td> <td>1: 50 Hertz</td> </tr> <tr> <td>enumeration</td> <td>60Hz</td> <td>2: 60 Hertz</td> </tr> </table>			enumeration	50Hz	1: 50 Hertz	enumeration	60Hz	2: 60 Hertz
enumeration	50Hz	1: 50 Hertz							
enumeration	60Hz	2: 60 Hertz							
Used by	Complex Type categoryOfFrequencyType								

Simple Type categoryOfFrequencyCode

Namespace	http://www.ihc.int/S131/2.0								
Annotations	The electrical frequency provided by the power supply station.								
Diagram	<pre> classDiagram class categoryOfFrequencyCode { <<The electrical frequency provided by the power supply station.>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } categoryOfFrequencyCode ⊂ xs_integer </pre>								
Type	restriction of xs:integer								
Facets	<table> <tr> <td>enumeration</td> <td>1</td> <td>50 Hertz</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>60 Hertz</td> </tr> </table>			enumeration	1	50 Hertz	enumeration	2	60 Hertz
enumeration	1	50 Hertz							
enumeration	2	60 Hertz							
Used by	Attribute categoryOfFrequencyType/@code								

Simple Type Berth_categoryOfFrequencyLabel

Namespace	http://www.ihc.int/S131/2.0								
Annotations	Custom enum: Berth/categoryOfFrequency								
Diagram	<pre> classDiagram class Berth_categoryOfFrequencyLabel { <<Custom enum: Berth/categoryOfFrequency>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } Berth_categoryOfFrequencyLabel ⊂ xs_string </pre>								
Type	restriction of xs:string								
Facets	<table> <tr> <td>enumeration</td> <td>50Hz</td> <td></td> </tr> <tr> <td>enumeration</td> <td>60Hz</td> <td></td> </tr> </table>			enumeration	50Hz		enumeration	60Hz	
enumeration	50Hz								
enumeration	60Hz								
Used by	Complex Type Berth_categoryOfFrequencyType								

Simple Type Berth_categoryOfFrequencyCode

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Custom enum: Berth/categoryOfFrequency		
Diagram	<pre> classDiagram class Berth_categoryOfFrequencyCode { <<Custom enum: Berth/categoryOfFrequency>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } Berth_categoryOfFrequencyCode ⊂ xs_integer </pre>		
Type	restriction of xs:integer		

Facets	enumeration	1	50 Hertz
	enumeration	2	60 Hertz
Used by	Attribute	Berth_categoryOfFrequencyType/@code	

Simple Type OnshorePowerFacility_categoryOfFrequencyLabel

Namespace	http://www.ihoint/S131/2.0								
Annotations	Custom enum: OnshorePowerFacility/categoryOfFrequency								
Diagram	<p>OnshorePowerFacility_categoryOfFrequencyLabel is a custom enum type derived from xs:string. It has two values: 1 (50Hz) and 2 (60Hz). The xs:string type is described as a built-in primitive type representing character strings in XML.</p>								
Type	restriction of xs:string								
Facets	<table border="1"> <tr> <td>enumeration</td> <td>1</td> <td>50Hz</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>60Hz</td> </tr> </table>			enumeration	1	50Hz	enumeration	2	60Hz
enumeration	1	50Hz							
enumeration	2	60Hz							
Used by	Complex Type	OnshorePowerFacility_categoryOfFrequencyType							

Simple Type OnshorePowerFacility_categoryOfFrequencyCode

Namespace	http://www.ihoint/S131/2.0								
Annotations	Custom enum: OnshorePowerFacility/categoryOfFrequency								
Diagram	<p>OnshorePowerFacility_categoryOfFrequencyCode is a custom enum type derived from xs:integer. It has two values: 1 (50Hz) and 2 (60Hz). The xs:integer type is described as a built-in derived type where the integer datatype is derived from decimal by fixing the value of fractionDigits to be 0.</p>								
Type	restriction of xs:integer								
Facets	<table border="1"> <tr> <td>enumeration</td> <td>1</td> <td>50 Hertz</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>60 Hertz</td> </tr> </table>			enumeration	1	50 Hertz	enumeration	2	60 Hertz
enumeration	1	50 Hertz							
enumeration	2	60 Hertz							
Used by	Attribute	OnshorePowerFacility_categoryOfFrequencyType/@code							

Simple Type categoryOfHarbourFacilityLabel

Namespace	http://www.ihoint/S131/2.0																																			
Annotations	Classification of harbour use.																																			
Diagram	<p>categoryOfHarbourFacilityLabel is a string type representing the classification of harbour use. It includes a list of 12 categories, each with a corresponding numerical value and a description.</p>																																			
Type	restriction of xs:string																																			
Facets	<table border="1"> <tr> <td>enumeration</td> <td>RoRo Terminal</td> <td>1: A terminal for roll-on roll-off ferries.</td> </tr> <tr> <td>enumeration</td> <td>Ferry Terminal</td> <td>3: A terminal for passenger and vehicle ferries.</td> </tr> <tr> <td>enumeration</td> <td>Fishing Harbour</td> <td>4: A harbour with facilities for fishing boats.</td> </tr> <tr> <td>enumeration</td> <td>Yacht Harbour/Marina</td> <td>5: A harbour facility for small boats, yachts, etc., where supplies, repairs, and various services are available.</td> </tr> <tr> <td>enumeration</td> <td>Naval Base</td> <td>6: A centre of operations for naval vessels.</td> </tr> <tr> <td>enumeration</td> <td>Tanker Terminal</td> <td>7: A terminal for the bulk handling of liquid cargoes.</td> </tr> <tr> <td>enumeration</td> <td>Passenger Terminal</td> <td>8: A terminal for the loading and unloading of passengers.</td> </tr> <tr> <td>enumeration</td> <td>Shipyard</td> <td>9: A place where ships are built or repaired.</td> </tr> <tr> <td>enumeration</td> <td>Container Terminal</td> <td>10: A terminal with facilities to load/unload or store shipping containers.</td> </tr> <tr> <td>enumeration</td> <td>Bulk Terminal</td> <td>11: A terminal for the handling of bulk materials such as iron ore, coal, etc.</td> </tr> <tr> <td>enumeration</td> <td>Ship Lift</td> <td>12: A platform powered by synchronous electric motors (for example syncrolift) used to lift</td> </tr> </table>			enumeration	RoRo Terminal	1: A terminal for roll-on roll-off ferries.	enumeration	Ferry Terminal	3: A terminal for passenger and vehicle ferries.	enumeration	Fishing Harbour	4: A harbour with facilities for fishing boats.	enumeration	Yacht Harbour/Marina	5: A harbour facility for small boats, yachts, etc., where supplies, repairs, and various services are available.	enumeration	Naval Base	6: A centre of operations for naval vessels.	enumeration	Tanker Terminal	7: A terminal for the bulk handling of liquid cargoes.	enumeration	Passenger Terminal	8: A terminal for the loading and unloading of passengers.	enumeration	Shipyard	9: A place where ships are built or repaired.	enumeration	Container Terminal	10: A terminal with facilities to load/unload or store shipping containers.	enumeration	Bulk Terminal	11: A terminal for the handling of bulk materials such as iron ore, coal, etc.	enumeration	Ship Lift	12: A platform powered by synchronous electric motors (for example syncrolift) used to lift
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		vessels (larger than boats) in and out of the water.
enumeration	Straddle Carrier	13: A wheeled vehicle designed to lift and carry containers or vessels within its own framework. It is used for moving, and sometimes stacking, shipping containers and vessels.
enumeration	Service Harbour	14: A harbour within which the floating equipment (dredges, tugs ...) of harbour services are stationed.
enumeration	Pilotage Service	15: The services of 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, are available.
enumeration	Service and Repair	16: A place where mechanical services or repairs can be undertaken to engines or other vessel equipment.
enumeration	Quarantine Station	17: A medical control center located in an isolated spot ashore where patients with contagious diseases from vessel in quarantine are taken.
Used by	Complex Type	categoryOfHarbourFacilityType

Simple Type categoryOfHarbourFacilityCode

Namespace	http://www.oho.int/S131/2.0																																											
Annotations	Classification of harbour use.																																											
Diagram	<p>The diagram shows a UML class named 'categoryOfHarbourFacilityCode' 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, a note states: 'Classification of harbour use.' 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																																											
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	enumeration	16	A place where mechanical services or repairs can be undertaken to engines or other vessel equipment.
	enumeration	17	A medical control center located in an isolated spot ashore where patients with contagious diseases from vessel in quarantine are taken.
Used by	Attribute	categoryOfHarbourFacilityType/@code	

Simple Type HarbourAreaAdministrative_categoryOfHarbourFacilityLabel

Namespace	http://www.ihc.int/S131/2.0																																												
Annotations	Custom enum: HarbourAreaAdministrative/categoryOfHarbourFacility																																												
Diagram	<p>The diagram shows a UML class named 'HarbourAreaAdministrative_categoryOfHarbourFacilityLabel' with a multiplicity of 0..1. It has a directed association to another class 'xs:string' with a multiplicity of 0..1. A callout box for 'xs:string' states: 'Built-in primitive type. The string datatype represents character strings in XML.'</p>																																												
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enumeration	Service Harbour																																												
enumeration	Pilotage Service																																												
Used by	Complex Type	HarbourAreaAdministrative_categoryOfHarbourFacilityType																																											

Simple Type HarbourAreaAdministrative_categoryOfHarbourFacilityCode

Namespace	http://www.ihc.int/S131/2.0																													
Annotations	Custom enum: HarbourAreaAdministrative/categoryOfHarbourFacility																													
Diagram	<p>The diagram shows a UML class named 'HarbourAreaAdministrative_categoryOfHarbourFacilityCode' with a multiplicity of 0..1. It has a directed association to another class 'xs:integer' with a multiplicity of 0..1. 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>																													
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Facets	<table border="1"> <tr><td>enumeration</td><td>1</td><td>A terminal for roll-on roll-off ferries.</td></tr> <tr><td>enumeration</td><td>3</td><td>A terminal for passenger and vehicle ferries.</td></tr> <tr><td>enumeration</td><td>4</td><td>A harbour with facilities for fishing boats.</td></tr> <tr><td>enumeration</td><td>5</td><td>A harbour facility for small boats, yachts, etc., where supplies, repairs, and various services are available.</td></tr> <tr><td>enumeration</td><td>6</td><td>A centre of operations for naval vessels.</td></tr> <tr><td>enumeration</td><td>7</td><td>A terminal for the bulk handling of liquid cargoes.</td></tr> <tr><td>enumeration</td><td>8</td><td>A terminal for the loading and unloading of passengers.</td></tr> <tr><td>enumeration</td><td>9</td><td>A place where ships are built or repaired.</td></tr> <tr><td>enumeration</td><td>10</td><td>A terminal with facilities to load/unload or store shipping containers.</td></tr> </table>			enumeration	1	A terminal for roll-on roll-off ferries.	enumeration	3	A terminal for passenger and vehicle ferries.	enumeration	4	A harbour with facilities for fishing boats.	enumeration	5	A harbour facility for small boats, yachts, etc., where supplies, repairs, and various services are available.	enumeration	6	A centre of operations for naval vessels.	enumeration	7	A terminal for the bulk handling of liquid cargoes.	enumeration	8	A terminal for the loading and unloading of passengers.	enumeration	9	A place where ships are built or repaired.	enumeration	10	A terminal with facilities to load/unload or store shipping containers.
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	enumeration	14	A harbour within which the floating equipment (dredges, tugs ...) of harbour services are stationed.
	enumeration	15	The services of 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, are available.
Used by	Attribute	HarbourAreaAdministrative_categoryOfHarbourFacilityType/@code	

Simple Type HarbourAreaSection_categoryOfHarbourFacilityLabel

Namespace	http://www.ihc.int/S131/2.0	
Annotations	Custom enum: HarbourAreaSection/categoryOfHarbourFacility	
Diagram	<pre> classDiagram class HarbourAreaSection_categoryOfHarbourFacilityLabel { <<Custom enum: HarbourAreaSection/categoryOfHarbourFacility>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } HarbourAreaSection_categoryOfHarbourFacilityLabel "1" -- "0..1" xsString </pre>	
Type	restriction of xs:string	
Facets	enumeration	Fishing Harbour
	enumeration	Yacht Harbour/Marina
	enumeration	Naval Base
	enumeration	Shipyard
	enumeration	Service Harbour
	enumeration	Pilotage Service
	enumeration	Service and Repair
	enumeration	Quarantine Station
Used by	Complex Type	HarbourAreaSection_categoryOfHarbourFacilityType

Simple Type HarbourAreaSection_categoryOfHarbourFacilityCode

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Custom enum: HarbourAreaSection/categoryOfHarbourFacility		
Diagram	<pre> classDiagram class HarbourAreaSection_categoryOfHarbourFacilityCode { <<Custom enum: HarbourAreaSection/categoryOfHarbourFacility>> } class xsInteger { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } HarbourAreaSection_categoryOfHarbourFacilityCode "1" -- "0..1" xsInteger </pre>		
Type	restriction of xs:integer		
Facets	enumeration	4	A harbour with facilities for fishing boats.
	enumeration	5	A harbour facility for small boats, yachts, etc., where supplies, repairs, and various services are available.
	enumeration	6	A centre of operations for naval vessels.
	enumeration	9	A place where ships are built or repaired.
	enumeration	14	A harbour within which the floating equipment (dredges, tugs ...) of harbour services are stationed.
	enumeration	15	The services of 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, are available.
enumeration	16	A place where mechanical services or repairs can be undertaken to engines or other vessel equipment.
enumeration	17	A medical control center located in an isolated spot ashore where patients with contagious diseases from vessel in quarantine are taken.
Used by	Attribute	HarbourAreaSection_categoryOfHarbourFacilityType/@code

Simple Type categoryOfMooringWarpingFacilityLabel

Namespace	http://www.ihc.int/S131/2.0		
Annotations	A place or structure to which a vessel can be secured.		
Diagram	<pre> classDiagram categoryOfMooringWarpingFacilityLabel "4" --o xs:string categoryOfMooringWarpingFacilityLabel < --> xs:string categoryOfMooringWarpingFacilityLabel : A place or structure to which a vessel can be secured. xs:string : Built-in primitive type. The string datatype represents character strings in XML. </pre>		
Type	restriction of xs:string		
Facets	enumeration	Tie-Up Wall	4: A section of wall designated for tying-up vessels awaiting transit. Bollards and mooring devices are available for both large and small ships.
	enumeration	Post or Pile	5: A long heavy timber or section of steel, wood, concrete, etc., forced into the seabed to serve as a mooring facility.
	enumeration	Mooring Cable	6: A chain or very strong fibre or wire rope used to anchor or moor vessels or buoys.
Used by	Complex Type	categoryOfMooringWarpingFacilityType	

Simple Type categoryOfMooringWarpingFacilityCode

Namespace	http://www.ihc.int/S131/2.0		
Annotations	A place or structure to which a vessel can be secured.		
Diagram	<pre> classDiagram categoryOfMooringWarpingFacilityCode "4" --o xs:integer categoryOfMooringWarpingFacilityCode < --> xs:integer categoryOfMooringWarpingFacilityCode : A place or structure to which a vessel can be secured. 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	4	A section of wall designated for tying-up vessels awaiting transit. Bollards and mooring devices are available for both large and small ships.
	enumeration	5	A long heavy timber or section of steel, wood, concrete, etc., forced into the seabed to serve as a mooring facility.
	enumeration	6	A chain or very strong fibre or wire rope used to anchor or moor vessels or buoys.
Used by	Attribute	categoryOfMooringWarpingFacilityType/@code	

Simple Type MooringWarpingFacility_categoryOfMooringWarpingFacilityLabel

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Custom enum: MooringWarpingFacility/categoryOfMooringWarpingFacility		
Diagram	<pre> classDiagram MooringWarpingFacility_categoryOfMooringWarpingFacilityLabel "4" --o xs:string MooringWarpingFacility_categoryOfMooringWarpingFacilityLabel < --> xs:string MooringWarpingFacility_categoryOfMooringWarpingFacilityLabel : Custom enum: MooringWarpingFacility/categoryOfMooringWarpingFacility xs:string : Built-in primitive type. The string datatype represents character strings in XML. </pre>		
Type	restriction of xs:string		
Facets	enumeration		Tie-Up Wall

	enumeration	Post or Pile
	enumeration	Mooring Cable
Used by	Complex Type	MooringWarpingFacility_categoryOfMooringWarpingFacilityType

Simple Type MooringWarpingFacility_categoryOfMooringWarpingFacilityCode

Namespace	http://www.ihc.int/S131/2.0	
Annotations	Custom enum: MooringWarpingFacility/categoryOfMooringWarpingFacility	
Diagram	<p>MooringWarpingFacility_categoryOfMooringWarpingFacilityCode is a custom enum type derived from xs:integer. It has three values: 4, 5, and 6.</p>	
Type	restriction of xs:integer	
Facets	enumeration	4 A section of wall designated for tying-up vessels awaiting transit. Bollards and mooring devices are available for both large and small ships.
	enumeration	5 A long heavy timber or section of steel, wood, concrete, etc., forced into the seabed to serve as a mooring facility.
	enumeration	6 A chain or very strong fibre or wire rope used to anchor or moor vessels or buoys.
Used by	Attribute	MooringWarpingFacility_categoryOfMooringWarpingFacilityType/@code

Simple Type categoryOfPlugType

Namespace	http://www.ihc.int/S131/2.0	
Annotations	The type of plug(s) available at the power supply station.	
Diagram	<p>categoryOfPlugType is a primitive type xs:string. It represents the type of plug(s) available at the power supply station.</p>	
Type	xs:string	
Used by	Elements	BerthType/categoryOfPlug, OnshorePowerFacilityType/categoryOfPlug

Simple Type categoryOfPortSectionLabel

Namespace	http://www.ihc.int/S131/2.0	
Annotations	Classification of subdivisions of a port or harbour area by usage.	
Diagram	<p>categoryOfPortSectionLabel is a primitive type xs:string. It represents the classification of subdivisions of a port or harbour area by usage.</p>	
Type	restriction of xs:string	
Facets	enumeration	Port Fairway 1: The main navigable channel in a harbour or its approaches, for vessels of larger size.
	enumeration	Berth Pocket 3: A body of water at a berth or anchor berth, of adequate dimensions to allow a vessel to make fast to the shore, mooring buoys, berthing dolphins or to anchor.
	enumeration	Seaplane Anchorage 8: An area in which sea-planes anchor or may anchor.
	enumeration	Dredged Basin 9: An area of water or channel enlargement of increased depth compared to adjacent areas, where the depth is maintained by dredging operations.
	enumeration	Port Safety Zone 11: The area around a port facility or harbour installation within which vessels are prohibited from entering without permission.
	enumeration	Lay-by Berth 12: A general berth for use by vessels for short term waiting until a loading or discharging berth is available.

Used by	Complex Type	categoryOfPortSectionType
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Simple Type categoryOfPortSectionCode

Namespace	http://www.ihc.int/S131/2.0																			
Annotations	Classification of subdivisions of a port or harbour area by usage.																			
Diagram	<p>The diagram shows a UML class named 'categoryOfPortSectionCode' with a hollow diamond symbol indicating it is derived from another type. A line connects it to the 'xs:integer' type, also with a hollow diamond symbol. A callout box below 'categoryOfPortSectionCode' states 'Classification of subdivisions of a port or harbour area by usage.' A callout box below '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 main navigable channel in a harbour or its approaches, for vessels of larger size.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>A body of water at a berth or anchor berth, of adequate dimensions to allow a vessel to make fast to the shore, mooring buoys, berthing dolphins or to anchor.</td> </tr> <tr> <td>enumeration</td> <td>8</td> <td>An area in which sea-planes anchor or may anchor.</td> </tr> <tr> <td>enumeration</td> <td>9</td> <td>An area of water or channel enlargement of increased depth compared to adjacent areas, where the depth is maintained by dredging operations.</td> </tr> <tr> <td>enumeration</td> <td>11</td> <td>The area around a port facility or harbour installation within which vessels are prohibited from entering without permission.</td> </tr> <tr> <td>enumeration</td> <td>12</td> <td>A general berth for use by vessels for short term waiting until a loading or discharging berth is available.</td> </tr> </table>		enumeration	1	The main navigable channel in a harbour or its approaches, for vessels of larger size.	enumeration	3	A body of water at a berth or anchor berth, of adequate dimensions to allow a vessel to make fast to the shore, mooring buoys, berthing dolphins or to anchor.	enumeration	8	An area in which sea-planes anchor or may anchor.	enumeration	9	An area of water or channel enlargement of increased depth compared to adjacent areas, where the depth is maintained by dredging operations.	enumeration	11	The area around a port facility or harbour installation within which vessels are prohibited from entering without permission.	enumeration	12	A general berth for use by vessels for short term waiting until a loading or discharging berth is available.
enumeration	1	The main navigable channel in a harbour or its approaches, for vessels of larger size.																		
enumeration	3	A body of water at a berth or anchor berth, of adequate dimensions to allow a vessel to make fast to the shore, mooring buoys, berthing dolphins or to anchor.																		
enumeration	8	An area in which sea-planes anchor or may anchor.																		
enumeration	9	An area of water or channel enlargement of increased depth compared to adjacent areas, where the depth is maintained by dredging operations.																		
enumeration	11	The area around a port facility or harbour installation within which vessels are prohibited from entering without permission.																		
enumeration	12	A general berth for use by vessels for short term waiting until a loading or discharging berth is available.																		
Used by	Attribute	categoryOfPortSectionType/@code																		

Simple Type HarbourAreaSection_categoryOfPortSectionLabel

Namespace	http://www.ihc.int/S131/2.0													
Annotations	Custom enum: HarbourAreaSection/categoryOfPortSection													
Diagram	<p>The diagram shows a UML class named 'HarbourAreaSection_categoryOfPortSectionLabel' with a hollow diamond symbol indicating it is derived from another type. A line connects it to the 'xs:string' type, also with a hollow diamond symbol. A callout box below 'HarbourAreaSection_categoryOfPortSectionLabel' states 'Custom enum: HarbourAreaSection/categoryOfPortSection'. A callout box below '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>Port Fairway</td> </tr> <tr> <td>enumeration</td> <td>Berth Pocket</td> </tr> <tr> <td>enumeration</td> <td>Seaplane Anchorage</td> </tr> <tr> <td>enumeration</td> <td>Dredged Basin</td> </tr> <tr> <td>enumeration</td> <td>Port Safety Zone</td> </tr> <tr> <td>enumeration</td> <td>Lay-by Berth</td> </tr> </table>		enumeration	Port Fairway	enumeration	Berth Pocket	enumeration	Seaplane Anchorage	enumeration	Dredged Basin	enumeration	Port Safety Zone	enumeration	Lay-by Berth
enumeration	Port Fairway													
enumeration	Berth Pocket													
enumeration	Seaplane Anchorage													
enumeration	Dredged Basin													
enumeration	Port Safety Zone													
enumeration	Lay-by Berth													
Used by	Complex Type	HarbourAreaSection_categoryOfPortSectionType												

Simple Type HarbourAreaSection_categoryOfPortSectionCode

Namespace	http://www.ihc.int/S131/2.0	
Annotations	Custom enum: HarbourAreaSection/categoryOfPortSection	
Diagram	<p>The diagram shows a UML class named 'HarbourAreaSection_categoryOfPortSectionCode' with a hollow diamond symbol indicating it is derived from another type. A line connects it to the 'xs:integer' type, also with a hollow diamond symbol. A callout box below 'HarbourAreaSection_categoryOfPortSectionCode' states 'Custom enum: HarbourAreaSection/categoryOfPortSection'. A callout box below 'xs:integer' states 'Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...'.</p>	
Type	restriction of xs:integer	
Facets	enumeration	1 The main navigable channel in a harbour or its approaches, for vessels of larger size.

	enumeration	3	A body of water at a berth or anchor berth, of adequate dimensions to allow a vessel to make fast to the shore, mooring buoys, berthing dolphins or to anchor.
	enumeration	8	An area in which sea-planes anchor or may anchor.
	enumeration	9	An area of water or channel enlargement of increased depth compared to adjacent areas, where the depth is maintained by dredging operations.
	enumeration	11	The area around a port facility or harbour installation within which vessels are prohibited from entering without permission.
	enumeration	12	A general berth for use by vessels for short term waiting until a loading or discharging berth is available.
Used by	Attribute	HarbourAreaSection_categoryOfPortSectionType/@code	

Simple Type WaterwayArea_categoryOfPortSectionLabel

Namespace	http://www.ihc.int/S131/2.0													
Annotations	Custom enum: WaterwayArea/categoryOfPortSection													
Diagram	<pre> classDiagram class WaterwayArea_categoryOfPortSectionLabel { <<Custom enum: WaterwayArea/categoryOfPortSection>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } WaterwayArea_categoryOfPortSectionLabel < -- xs_string </pre>													
Type	restriction of xs:string													
Facets	<table border="1"> <tr><td>enumeration</td><td>Port Fairway</td></tr> <tr><td>enumeration</td><td>Berth Pocket</td></tr> <tr><td>enumeration</td><td>Seaplane Anchorage</td></tr> <tr><td>enumeration</td><td>Dredged Basin</td></tr> <tr><td>enumeration</td><td>Port Safety Zone</td></tr> <tr><td>enumeration</td><td>Lay-by Berth</td></tr> </table>		enumeration	Port Fairway	enumeration	Berth Pocket	enumeration	Seaplane Anchorage	enumeration	Dredged Basin	enumeration	Port Safety Zone	enumeration	Lay-by Berth
enumeration	Port Fairway													
enumeration	Berth Pocket													
enumeration	Seaplane Anchorage													
enumeration	Dredged Basin													
enumeration	Port Safety Zone													
enumeration	Lay-by Berth													
Used by	Complex Type	WaterwayArea_categoryOfPortSectionType												

Simple Type WaterwayArea_categoryOfPortSectionCode

Namespace	http://www.ihc.int/S131/2.0																			
Annotations	Custom enum: WaterwayArea/categoryOfPortSection																			
Diagram	<pre> classDiagram class WaterwayArea_categoryOfPortSectionCode { <<Custom enum: WaterwayArea/categoryOfPortSection>> } 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_categoryOfPortSectionCode < -- xs_integer </pre>																			
Type	restriction of xs:integer																			
Facets	<table border="1"> <tr><td>enumeration</td><td>1</td><td>The main navigable channel in a harbour or its approaches, for vessels of larger size.</td></tr> <tr><td>enumeration</td><td>3</td><td>A body of water at a berth or anchor berth, of adequate dimensions to allow a vessel to make fast to the shore, mooring buoys, berthing dolphins or to anchor.</td></tr> <tr><td>enumeration</td><td>8</td><td>An area in which sea-planes anchor or may anchor.</td></tr> <tr><td>enumeration</td><td>9</td><td>An area of water or channel enlargement of increased depth compared to adjacent areas, where the depth is maintained by dredging operations.</td></tr> <tr><td>enumeration</td><td>11</td><td>The area around a port facility or harbour installation within which vessels are prohibited from entering without permission.</td></tr> <tr><td>enumeration</td><td>12</td><td>A general berth for use by vessels for short term waiting until a loading or discharging berth is available.</td></tr> </table>		enumeration	1	The main navigable channel in a harbour or its approaches, for vessels of larger size.	enumeration	3	A body of water at a berth or anchor berth, of adequate dimensions to allow a vessel to make fast to the shore, mooring buoys, berthing dolphins or to anchor.	enumeration	8	An area in which sea-planes anchor or may anchor.	enumeration	9	An area of water or channel enlargement of increased depth compared to adjacent areas, where the depth is maintained by dredging operations.	enumeration	11	The area around a port facility or harbour installation within which vessels are prohibited from entering without permission.	enumeration	12	A general berth for use by vessels for short term waiting until a loading or discharging berth is available.
enumeration	1	The main navigable channel in a harbour or its approaches, for vessels of larger size.																		
enumeration	3	A body of water at a berth or anchor berth, of adequate dimensions to allow a vessel to make fast to the shore, mooring buoys, berthing dolphins or to anchor.																		
enumeration	8	An area in which sea-planes anchor or may anchor.																		
enumeration	9	An area of water or channel enlargement of increased depth compared to adjacent areas, where the depth is maintained by dredging operations.																		
enumeration	11	The area around a port facility or harbour installation within which vessels are prohibited from entering without permission.																		
enumeration	12	A general berth for use by vessels for short term waiting until a loading or discharging berth is available.																		
Used by	Attribute	WaterwayArea_categoryOfPortSectionType/@code																		

Simple Type categoryOfRelationshipLabel

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Expresses constraints or requirements on vessel actions or activities in relation to a geographic feature, facility, or service.		
Diagram	<pre> graph LR A([categoryOfRelationshipLabel]) --> B(xs:string) </pre> <p>Expresses constraints or requirements on vessel actions or activities in relation to a geographic feature, facility, or service.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	restriction of xs:string		
Facets	enumeration	Prohibited	1: Use of facility, waterway or service is forbidden.
	enumeration	Not Recommended	2: Use of facility, waterway or service is not recommended.
	enumeration	Permitted	3: Use of facility, waterway, or service is permitted but not required.
	enumeration	Recommended	4: Use of facility, waterway, or service is recommended.
	enumeration	Required	5: Use of facility, waterway, or service is required.
	enumeration	Not Required	6: Use of facility, waterway, or service is not required.
	enumeration	Exclusively Permitted	7: Only vessels of the specified characteristics may use the facility, waterway, or service.
Used by	Complex Type	categoryOfRelationshipType	

Simple Type categoryOfRelationshipCode

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Expresses constraints or requirements on vessel actions or activities in relation to a geographic feature, facility, or service.		
Diagram	<pre> graph LR A([categoryOfRelationshipCode]) --> B(xs:integer) </pre> <p>Expresses constraints or requirements on vessel actions or activities in relation to a geographic feature, facility, or service.</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>		
Type	restriction of xs:integer		
Facets	enumeration	1	Use of facility, waterway or service is forbidden.
	enumeration	2	Use of facility, waterway or service is not recommended.
	enumeration	3	Use of facility, waterway, or service is permitted but not required.
	enumeration	4	Use of facility, waterway, or service is recommended.
	enumeration	5	Use of facility, waterway, or service is required.
	enumeration	6	Use of facility, waterway, or service is not required.
	enumeration	7	Only vessels of the specified characteristics may use the facility, waterway, or service.
Used by	Attribute	categoryOfRelationshipType/@code	

Simple Type categoryOfScheduleLabel

Namespace	http://www.ihc.int/S131/2.0		
Annotations	The type of schedule, for instance opening, closure, etc.		
Diagram	<pre> graph LR A([categoryOfScheduleLabel]) --> B(xs:string) </pre> <p>The type of schedule, for instance opening, closure, etc.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		

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	

Simple Type categoryOfScheduleCode

Namespace	http://www.oho.int/S131/2.0											
Annotations	The type of schedule, for instance opening, closure, etc.											
Diagram	<p>The diagram shows a UML class named "categoryOfScheduleCode" connected by an association to another class named "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										

Simple Type scheduleByDayOfWeek_categoryOfScheduleLabel

Namespace	http://www.oho.int/S131/2.0											
Annotations	Restricted values of scheduleByDayOfWeek/categoryOfSchedule											
Diagram	<p>The diagram shows a UML class named "scheduleByDayOfWeek_categoryOfScheduleLabel" connected by an association to another class named "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										

Simple Type scheduleByDayOfWeek_categoryOfScheduleCode

Namespace	http://www.oho.int/S131/2.0											
Annotations	Restricted values of scheduleByDayOfWeek/categoryOfSchedule											
Diagram	<p>The diagram shows a UML class named "scheduleByDayOfWeek_categoryOfScheduleCode" connected by an association to another class named "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.
enumeration	1	The service, office, is open, fully manned, and operating normally, or the area is accessible as usual.										
enumeration	2	The service, office, or area is closed.										
enumeration	3	The service is available but not manned.										
Used by	Attribute	scheduleByDayOfWeek_categoryOfScheduleType/@code										

Simple Type categoryOfShorePowerFacilityLabel

Namespace	http://www.oho.int/S131/2.0		
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Annotations	Classification of equipment or installations that are used for providing shoreside electrical power to a vessel at berth.		
Diagram	<p>The diagram shows a UML class named 'categoryOfShorePowerFacilityLabel' with a multiplicity of 0..1. It is connected to an 'xs:string' primitive type. A callout box for 'categoryOfShorePowerFacilityLabel' states: 'Classification of equipment or installations that are used for providing shoreside electrical power to a vessel at...'. 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	High-Voltage Shore Power System	1: Delivers power to vessels using higher voltage (for example, 10 kV or above), suitable for large ports and large vessels. such as tankers, cargo ships, etc.
	enumeration	Low-Voltage Shore Power System	2: Delivers power to vessels using lower voltage, designed for small to medium-sized coastal or riverine terminals and smaller vessels.
	enumeration	Hybrid Shore Power System	3: Delivers power to vessels using high-voltage (for example, 10kV and above) and low-voltage outputs or simultaneous provision of dual-voltage power.
Used by	Complex Type	categoryOfShorePowerFacilityType	

Simple Type categoryOfShorePowerFacilityCode

Namespace	http://www.oho.int/S131/2.0		
Annotations	Classification of equipment or installations that are used for providing shoreside electrical power to a vessel at berth.		
Diagram	<p>The diagram shows a UML class named 'categoryOfShorePowerFacilityCode' with a multiplicity of 0..1. It is connected to an 'xs:integer' primitive type. A callout box for 'categoryOfShorePowerFacilityCode' states: 'Classification of equipment or installations that are used for providing shoreside electrical power to a vessel at...'. 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	Delivers power to vessels using higher voltage (for example, 10 kV or above), suitable for large ports and large vessels. such as tankers, cargo ships, etc.
	enumeration	2	Delivers power to vessels using lower voltage, designed for small to medium-sized coastal or riverine terminals and smaller vessels.
	enumeration	3	Delivers power to vessels using high-voltage (for example, 10kV and above) and low-voltage outputs or simultaneous provision of dual-voltage power.
Used by	Attribute	categoryOfShorePowerFacilityType/@code	

Simple Type OnshorePowerFacility_categoryOfShorePowerFacilityLabel

Namespace	http://www.oho.int/S131/2.0		
Annotations	Custom enum: OnshorePowerFacility/categoryOfShorePowerFacility		
Diagram	<p>The diagram shows a UML class named 'OnshorePowerFacility_categoryOfShorePowerFacilityLabel' with a multiplicity of 0..1. It is connected to an 'xs:string' primitive type. A callout box for 'OnshorePowerFacility_categoryOfShorePowerFacilityLabel' states: 'Custom enum: OnshorePowerFacility/categoryOfShorePowerFacility'. 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	High-Voltage Shore Power System	
	enumeration	Low-Voltage Shore Power System	
	enumeration	Hybrid Shore Power System	
Used by	Complex Type	OnshorePowerFacility_categoryOfShorePowerFacilityType	

Simple Type OnshorePowerFacility_categoryOfShorePowerFacilityCode

Namespace	http://www.oho.int/S131/2.0		
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Annotations	Custom enum: OnshorePowerFacility/categoryOfShorePowerFacility		
Diagram		OnshorePowerFacility_categoryOfShorePowerFacilityCode	xs:integer
Type	restriction of xs:integer		
Facets	enumeration	1	Delivers power to vessels using higher voltage (for example, 10 kV or above), suitable for large ports and large vessels. such as tankers, cargo ships, etc.
	enumeration	2	Delivers power to vessels using lower voltage, designed for small to medium-sized coastal or riverine terminals and smaller vessels.
	enumeration	3	Delivers power to vessels using high-voltage (for example, 10kV and above) and low-voltage outputs or simultaneous provision of dual-voltage power.
Used by	Attribute	OnshorePowerFacility_categoryOfShorePowerFacilityType/@code	

Simple Type categoryOfTemporalVariationLabel

Namespace	http://www.ihc.int/S131/2.0		
Annotations	An assessment of the likelihood of change over time.		
Diagram		categoryOfTemporalVariationLabel	xs:string
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 and Significant Shoaling Expected	2: Continuous or frequent change (for example river siltation, sand waves, seasonal storms, ice bergs, etc) that is likely to result in new significant shoaling.
	enumeration	Likely to Change But Significant Shoaling Not Expected	3: Continuous or frequent change (for example sand wave shift, seasonal storms, ice bergs, etc) that is not likely to result in new significant shoaling.
	enumeration	Likely to Change	4: Continuous or frequent change to non-bathymetric features (for example river siltation, glacier creep/recession, sand dunes, buoys, marine farms, etc).
	enumeration	Unlikely to Change	5: Significant change to the seafloor is not expected.
	enumeration	Unassessed	6: Not having been assessed.
	Used by	Complex Type	categoryOfTemporalVariationType

Simple Type categoryOfTemporalVariationCode

Namespace	http://www.ihc.int/S131/2.0		
Annotations	An assessment of the likelihood of change over time.		
Diagram		categoryOfTemporalVariationCode	xs:integer
Type	restriction of xs:integer		
Facets	enumeration	1	Indication of the possible impact of a significant event (for example hurricane, earthquake, volcanic eruption, landslide, etc), which is considered likely to have changed the seafloor or landscape significantly.

	enumeration	2	Continuous or frequent change (for example river siltation, sand waves, seasonal storms, ice bergs, etc) that is likely to result in new significant shoaling.
	enumeration	3	Continuous or frequent change (for example sand wave shift, seasonal storms, ice bergs, etc) that is not likely to result in new significant shoaling.
	enumeration	4	Continuous or frequent change to non-bathymetric features (for example river siltation, glacier creep/recession, sand dunes, buoys, marine farms, etc).
	enumeration	5	Significant change to the seafloor is not expected.
	enumeration	6	Not having been assessed.
Used by	Attribute	categoryOfTemporalVariationType/@code	

Simple Type QualityOfNonBathymetricData_categoryOfTemporalVariationLabel

Namespace	http://www.ihc.int/S131/2.0													
Annotations	Custom enum: QualityOfNonBathymetricData/categoryOfTemporalVariation													
Diagram	<pre> classDiagram class QualityOfNonBathymetricData_categoryOfTemporalVariationLabel { <<Custom enum: QualityOfNonBathymetricData/categoryOfTemporalVariation>> } class xs.string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } QualityOfNonBathymetricData_categoryOfTemporalVariationLabel " --" xs.string </pre>													
Type	restriction of xs:string													
Facets	<table border="1"> <tr> <td>enumeration</td> <td>Extreme Event</td> </tr> <tr> <td>enumeration</td> <td>Likely to Change and Significant Shoaling Expected</td> </tr> <tr> <td>enumeration</td> <td>Likely to Change But Significant Shoaling Not Expected</td> </tr> <tr> <td>enumeration</td> <td>Likely to Change</td> </tr> <tr> <td>enumeration</td> <td>Unlikely to Change</td> </tr> <tr> <td>enumeration</td> <td>Unassessed</td> </tr> </table>	enumeration	Extreme Event	enumeration	Likely to Change and Significant Shoaling Expected	enumeration	Likely to Change But Significant Shoaling Not Expected	enumeration	Likely to Change	enumeration	Unlikely to Change	enumeration	Unassessed	
enumeration	Extreme Event													
enumeration	Likely to Change and Significant Shoaling Expected													
enumeration	Likely to Change But Significant Shoaling Not Expected													
enumeration	Likely to Change													
enumeration	Unlikely to Change													
enumeration	Unassessed													
Used by	Complex Type	QualityOfNonBathymetricData_categoryOfTemporalVariationType												

Simple Type QualityOfNonBathymetricData_categoryOfTemporalVariationCode

Namespace	http://www.ihc.int/S131/2.0													
Annotations	Custom enum: QualityOfNonBathymetricData/categoryOfTemporalVariation													
Diagram	<pre> classDiagram class QualityOfNonBathymetricData_categoryOfTemporalVariationCode { <<Custom enum: QualityOfNonBathymetricData/categoryOfTemporalVariation>> } class xs.integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } QualityOfNonBathymetricData_categoryOfTemporalVariationCode " --" xs.integer </pre>													
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>2</td> <td>Continuous or frequent change (for example river siltation, sand waves, seasonal storms, ice bergs, etc) that is likely to result in new significant shoaling.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>Continuous or frequent change (for example sand wave shift, seasonal storms, ice bergs, etc) that is not likely to result in new significant shoaling.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>Continuous or frequent change to non-bathymetric features (for example river siltation, glacier</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	2	Continuous or frequent change (for example river siltation, sand waves, seasonal storms, ice bergs, etc) that is likely to result in new significant shoaling.	enumeration	3	Continuous or frequent change (for example sand wave shift, seasonal storms, ice bergs, etc) that is not likely to result in new significant shoaling.	enumeration	4	Continuous or frequent change to non-bathymetric features (for example river siltation, glacier	
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.												
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enumeration	3	Continuous or frequent change (for example sand wave shift, seasonal storms, ice bergs, etc) that is not likely to result in new significant shoaling.												
enumeration	4	Continuous or frequent change to non-bathymetric features (for example river siltation, glacier												

		creep/recession, sand dunes, buoys, marine farms, etc).
	enumeration 5	Significant change to the seafloor is not expected.
	enumeration 6	Not having been assessed.
Used by	Attribute	QualityOfNonBathymetricData_categoryOfTemporalVariationType/@code

Simple Type categoryOfTerminalLabel

Namespace	http://www.ihodata.org/S131/2.0																			
Annotations	Classification of terminals according to type of use, purpose, or type of cargo loaded or unloaded.																			
Diagram	<pre> classDiagram class categoryOfTerminalLabel { <<Classification of terminals according to type of use, purpose, or type of cargo loaded or unloaded.>> } class xs:string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } categoryOfTerminalLabel "1" -- "2" xs:string </pre>																			
Type	restriction of xs:string																			
Facets	<table> <tr> <td>enumeration</td> <td>RoRo Terminal</td> <td>1: A terminal for roll-on roll-off ferries.</td> </tr> <tr> <td>enumeration</td> <td>Ferry Terminal</td> <td>3: A terminal for passenger and vehicle ferries.</td> </tr> <tr> <td>enumeration</td> <td>Tanker Terminal</td> <td>7: A terminal for the bulk handling of liquid cargoes.</td> </tr> <tr> <td>enumeration</td> <td>Passenger Terminal</td> <td>8: A terminal for the loading and unloading of passengers.</td> </tr> <tr> <td>enumeration</td> <td>Container Terminal</td> <td>10: A terminal with facilities to load/unload or store shipping containers.</td> </tr> <tr> <td>enumeration</td> <td>Bulk Terminal</td> <td>11: A terminal for the handling of bulk materials such as iron ore, coal, etc.</td> </tr> </table>		enumeration	RoRo Terminal	1: A terminal for roll-on roll-off ferries.	enumeration	Ferry Terminal	3: A terminal for passenger and vehicle ferries.	enumeration	Tanker Terminal	7: A terminal for the bulk handling of liquid cargoes.	enumeration	Passenger Terminal	8: A terminal for the loading and unloading of passengers.	enumeration	Container Terminal	10: A terminal with facilities to load/unload or store shipping containers.	enumeration	Bulk Terminal	11: A terminal for the handling of bulk materials such as iron ore, coal, etc.
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enumeration	Bulk Terminal	11: A terminal for the handling of bulk materials such as iron ore, coal, etc.																		
Used by	Complex Type	categoryOfTerminalType																		

Simple Type categoryOfTerminalCode

Namespace	http://www.ihodata.org/S131/2.0																			
Annotations	Classification of terminals according to type of use, purpose, or type of cargo loaded or unloaded.																			
Diagram	<pre> classDiagram class categoryOfTerminalCode { <<Classification of terminals according to type of use, purpose, or type of cargo loaded or unloaded.>> } class xs:integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } categoryOfTerminalCode "1" -- "2" xs:integer </pre>																			
Type	restriction of xs:integer																			
Facets	<table> <tr> <td>enumeration</td> <td>1</td> <td>A terminal for roll-on roll-off ferries.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>A terminal for passenger and vehicle ferries.</td> </tr> <tr> <td>enumeration</td> <td>7</td> <td>A terminal for the bulk handling of liquid cargoes.</td> </tr> <tr> <td>enumeration</td> <td>8</td> <td>A terminal for the loading and unloading of passengers.</td> </tr> <tr> <td>enumeration</td> <td>10</td> <td>A terminal with facilities to load/unload or store shipping containers.</td> </tr> <tr> <td>enumeration</td> <td>11</td> <td>A terminal for the handling of bulk materials such as iron ore, coal, etc.</td> </tr> </table>		enumeration	1	A terminal for roll-on roll-off ferries.	enumeration	3	A terminal for passenger and vehicle ferries.	enumeration	7	A terminal for the bulk handling of liquid cargoes.	enumeration	8	A terminal for the loading and unloading of passengers.	enumeration	10	A terminal with facilities to load/unload or store shipping containers.	enumeration	11	A terminal for the handling of bulk materials such as iron ore, coal, etc.
enumeration	1	A terminal for roll-on roll-off ferries.																		
enumeration	3	A terminal for passenger and vehicle ferries.																		
enumeration	7	A terminal for the bulk handling of liquid cargoes.																		
enumeration	8	A terminal for the loading and unloading of passengers.																		
enumeration	10	A terminal with facilities to load/unload or store shipping containers.																		
enumeration	11	A terminal for the handling of bulk materials such as iron ore, coal, etc.																		
Used by	Attribute	categoryOfTerminalType/@code																		

Simple Type Terminal_categoryOfTerminalLabel

Namespace	http://www.ihodata.org/S131/2.0	
Annotations	Custom enum: Terminal/categoryOfTerminal	
Diagram	<pre> classDiagram class Terminal_categoryOfTerminalLabel { <<Custom enum: Terminal/categoryOfTerminal>> } class xs:string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } Terminal_categoryOfTerminalLabel "1" -- "2" xs:string </pre>	

Type	restriction of xs:string	
Facets	enumeration	RoRo Terminal
	enumeration	Ferry Terminal
	enumeration	Tanker Terminal
	enumeration	Passenger Terminal
	enumeration	Container Terminal
	enumeration	Bulk Terminal
Used by	Complex Type	Terminal_categoryOfTerminalType

Simple Type Terminal_categoryOfTerminalCode

Namespace	http://www.oho.int/S131/2.0																			
Annotations	Custom enum: Terminal/categoryOfTerminal																			
Diagram	<p>The diagram shows a UML class named 'Terminal_categoryOfTerminalCode' connected via an association to the built-in datatype 'xs:integer'. A callout box under 'Terminal_categoryOfTerminalCode' states 'Custom enum: Terminal/categoryOfTerminal'. 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>A terminal for roll-on roll-off ferries.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>A terminal for passenger and vehicle ferries.</td> </tr> <tr> <td>enumeration</td> <td>7</td> <td>A terminal for the bulk handling of liquid cargoes.</td> </tr> <tr> <td>enumeration</td> <td>8</td> <td>A terminal for the loading and unloading of passengers.</td> </tr> <tr> <td>enumeration</td> <td>10</td> <td>A terminal with facilities to load/unload or store shipping containers.</td> </tr> <tr> <td>enumeration</td> <td>11</td> <td>A terminal for the handling of bulk materials such as iron ore, coal, etc.</td> </tr> </table>		enumeration	1	A terminal for roll-on roll-off ferries.	enumeration	3	A terminal for passenger and vehicle ferries.	enumeration	7	A terminal for the bulk handling of liquid cargoes.	enumeration	8	A terminal for the loading and unloading of passengers.	enumeration	10	A terminal with facilities to load/unload or store shipping containers.	enumeration	11	A terminal for the handling of bulk materials such as iron ore, coal, etc.
enumeration	1	A terminal for roll-on roll-off ferries.																		
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enumeration	7	A terminal for the bulk handling of liquid cargoes.																		
enumeration	8	A terminal for the loading and unloading of passengers.																		
enumeration	10	A terminal with facilities to load/unload or store shipping containers.																		
enumeration	11	A terminal for the handling of bulk materials such as iron ore, coal, etc.																		
Used by	Attribute	Terminal_categoryOfTerminalType/@code																		

Simple Type categoryOfTextLabel

Namespace	http://www.oho.int/S131/2.0		
Annotations	Classification of completeness of textual information in relation to the source material from which it is derived.		
Diagram	<p>The diagram shows a UML class named 'categoryOfTextLabel' connected via an association to the built-in datatype 'xs:string'. A callout box under 'categoryOfTextLabel' states 'Classification of completeness of textual information in relation to the source material from which it 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	enumeration	Abstract or Summary	1: A statement summarizing the important points of a text.
	enumeration	Extract	2: An excerpt or excerpts from a text.
	enumeration	Full Text	3: The whole text.
Used by	Complex Type	categoryOfTextType	

Simple Type categoryOfTextCode

Namespace	http://www.oho.int/S131/2.0		
Annotations	Classification of completeness of textual information in relation to the source material from which it is derived.		
Diagram	<p>The diagram shows a UML class named 'categoryOfTextCode' connected via an association to the built-in datatype 'xs:integer'. A callout box under 'categoryOfTextCode' states 'Classification of completeness of textual information in relation to the source material from which it 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	enumeration	1	A statement summarizing the important points of a text.
	enumeration	2	An excerpt or excerpts from a text.
	enumeration	3	The whole text.
Used by	Attribute	categoryOfTextType/@code	

Simple Type textContent_categoryOfTextLabel

Namespace	http://www.oho.int/S131/2.0											
Annotations	Restricted values of textContent/categoryOfText											
Diagram												
Type	restriction of xs:string											
Facets	<table> <tr> <td>enumeration</td> <td>Abstract or Summary</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Extract</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Full Text</td> <td></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										

Simple Type textContent_categoryOfTextCode

Namespace	http://www.oho.int/S131/2.0											
Annotations	Restricted values of textContent/categoryOfText											
Diagram												
Type	restriction of xs:integer											
Facets	<table> <tr> <td>enumeration</td> <td>1</td> <td>A statement summarizing the important points of a text.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>An excerpt or excerpts from a text.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>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.
enumeration	1	A statement summarizing the important points of a text.										
enumeration	2	An excerpt or excerpts from a text.										
enumeration	3	The whole text.										
Used by	Attribute	textContent_categoryOfTextType/@code										

Simple Type categoryOfVesselRegistryLabel

Namespace	http://www.oho.int/S131/2.0								
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									
Type	restriction of xs:string								
Facets	<table> <tr> <td>enumeration</td> <td>Domestic</td> <td>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.</td> </tr> <tr> <td>enumeration</td> <td>Foreign</td> <td>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.</td> </tr> </table>			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.
enumeration	Domestic	1: The vessel is registered or enrolled under the same national flag as the port, harbour, territorial sea, exclusive economic zone, or administrative area in which the object that possesses this attribute applies or is located.							
enumeration	Foreign	2: The vessel is registered or enrolled under a national flag different from the port, harbour, territorial sea, exclusive economic zone, or other administrative area in which the object that possesses this attribute applies or is located.							
Used by	Complex Type	categoryOfVesselRegistryType							

Simple Type categoryOfVesselRegistryCode

Namespace	http://www.ihc.int/S131/2.0							
Annotations	The locality of vessel registration or enrolment relative to the nationality of a port, territorial sea, administrative area, exclusive zone or other location.							
Diagram	<p>The locality of vessel registration or enrolment relative to the nationality of a port, territorial sea, administrative...</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 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 categoryOfVesselRegistryType/@code							

Simple Type Applicability_categoryOfVesselRegistryLabel

Namespace	http://www.ihc.int/S131/2.0					
Annotations	Custom enum: Applicability/categoryOfVesselRegistry					
Diagram	<p>Custom enum: Applicability/categoryOfVesselRegistry</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>Domestic</td> </tr> <tr> <td>enumeration</td> <td>Foreign</td> </tr> </table>		enumeration	Domestic	enumeration	Foreign
enumeration	Domestic					
enumeration	Foreign					
Used by	Complex Type Applicability_categoryOfVesselRegistryType					

Simple Type Applicability_categoryOfVesselRegistryCode

Namespace	http://www.ihc.int/S131/2.0							
Annotations	Custom enum: Applicability/categoryOfVesselRegistry							
Diagram	<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> <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							

Simple Type categoryOfVoltageLabel

Namespace	http://www.ihc.int/S131/2.0	
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Annotations	The electrical voltage provided by the power supply station.		
Diagram	<p>The diagram shows a UML class named "categoryOfVoltageLabel" connected to an "xs:string" type via a directed association. A callout box points to "categoryOfVoltageLabel" with the text "The electrical voltage provided by the power supply station." Another callout box points to "xs:string" with the text "Built-in primitive type. The string datatype represents character strings in XML."</p>		
Type	restriction of xs:string		
Facets	enumeration	230V	1: 230 Volts
	enumeration	400V	2: 400 Volts.
	enumeration	120V	3: 120 Volts
	enumeration	120V or 240V	4: 120/240 Volts
	enumeration	208V	5: 208 Volts
	enumeration	440V	6: 440 Volts
	enumeration	440V or 690V	7: 440/690 Volts
	enumeration	480V	8: 480 Volts
	enumeration	690V	9: 690 Volts
	enumeration	6600V	10: 6.6 kiloVolts
	enumeration	6600V or 11000V	11: 6.6/11 kiloVolts
	enumeration	11000V	12: 11 kiloVolts
	enumeration	22000V	13: 22 kiloVolts
	enumeration	380V	14: 380 Volts
	enumeration	11000V or 22000V	15: 11/22 kiloVolts
Used by	Complex Type	categoryOfVoltageType	

Simple Type categoryOfVoltageCode

Namespace	http://www.aho.int/S131/2.0		
Annotations	The electrical voltage provided by the power supply station.		
Diagram	<p>The diagram shows a UML class named "categoryOfVoltageCode" connected to an "xs:integer" type via a directed association. A callout box points to "categoryOfVoltageCode" with the text "The electrical voltage provided by the power supply station." Another callout box points to "xs:integer" 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	230 Volts
	enumeration	2	400 Volts.
	enumeration	3	120 Volts
	enumeration	4	120/240 Volts
	enumeration	5	208 Volts
	enumeration	6	440 Volts
	enumeration	7	440/690 Volts
	enumeration	8	480 Volts
	enumeration	9	690 Volts
	enumeration	10	6.6 kiloVolts
	enumeration	11	6.6/11 kiloVolts
	enumeration	12	11 kiloVolts
	enumeration	13	22 kiloVolts
	enumeration	14	380 Volts
	enumeration	15	11/22 kiloVolts
Used by	Attribute	categoryOfVoltageType/@code	

Simple Type Berth_categoryOfVoltageLabel

Namespace	http://www.aho.int/S131/2.0		
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Annotations	Custom enum: Berth/categoryOfVoltage	
Diagram		<p>Custom enum: Berth/categoryOfVoltage</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	restriction of xs:string	
Facets	enumeration 230V enumeration 400V enumeration 120V enumeration 120V or 240V enumeration 208V enumeration 440V enumeration 440V or 690V enumeration 480V enumeration 690V enumeration 6600V enumeration 6600V or 11000V enumeration 11000V enumeration 22000V enumeration 380V enumeration 11000V or 22000V	
Used by	Complex Type	Berth_categoryOfVoltageType

Simple Type Berth_categoryOfVoltageCode

Namespace	http://www.aho.int/S131/2.0	
Annotations	Custom enum: Berth/categoryOfVoltage	
Diagram		<p>Custom enum: Berth/categoryOfVoltage</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 1 230 Volts enumeration 2 400 Volts. enumeration 3 120 Volts enumeration 4 120/240 Volts enumeration 5 208 Volts enumeration 6 440 Volts enumeration 7 440/690 Volts enumeration 8 480 Volts enumeration 9 690 Volts enumeration 10 6.6 kiloVolts enumeration 11 6.6/11 kiloVolts enumeration 12 11 kiloVolts enumeration 13 22 kiloVolts enumeration 14 380 Volts enumeration 15 11/22 kiloVolts	
Used by	Attribute	Berth_categoryOfVoltageType/@code

Simple Type OnshorePowerFacility_categoryOfVoltageLabel

Namespace	http://www.aho.int/S131/2.0
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Annotations	Custom enum: OnshorePowerFacility/categoryOfVoltage	
Diagram		
		Custom enum: OnshorePowerFacility/categoryOfVoltage
		Built-in primitive type. The string datatype represents character strings in XML.
Type	restriction of xs:string	
Facets	enumeration	230V
	enumeration	400V
	enumeration	120V
	enumeration	120V or 240V
	enumeration	208V
	enumeration	440V
	enumeration	440V or 690V
	enumeration	480V
	enumeration	690V
	enumeration	6600V
	enumeration	6600V or 11000V
	enumeration	11000V
	enumeration	22000V
	enumeration	380V
	enumeration	11000V or 22000V
Used by	Complex Type	OnshorePowerFacility_categoryOfVoltageType

Simple Type OnshorePowerFacility_categoryOfVoltageCode

Namespace	http://www.ihc.int/S131/2.0																																														
Annotations	Custom enum: OnshorePowerFacility/categoryOfVoltage																																														
Diagram	<pre> classDiagram class OnshorePowerFacility_categoryOfVoltageCode { <<Custom enum: OnshorePowerFacility/categoryOfVoltage>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } OnshorePowerFacility_categoryOfVoltageCode < -- xs_integer </pre>																																														
Type	restriction of xs:integer																																														
Facets	<table> <tr><td>enumeration</td><td>1</td><td>230 Volts</td></tr> <tr><td>enumeration</td><td>2</td><td>400 Volts.</td></tr> <tr><td>enumeration</td><td>3</td><td>120 Volts</td></tr> <tr><td>enumeration</td><td>4</td><td>120/240 Volts</td></tr> <tr><td>enumeration</td><td>5</td><td>208 Volts</td></tr> <tr><td>enumeration</td><td>6</td><td>440 Volts</td></tr> <tr><td>enumeration</td><td>7</td><td>440/690 Volts</td></tr> <tr><td>enumeration</td><td>8</td><td>480 Volts</td></tr> <tr><td>enumeration</td><td>9</td><td>690 Volts</td></tr> <tr><td>enumeration</td><td>10</td><td>6.6 kiloVolts</td></tr> <tr><td>enumeration</td><td>11</td><td>6.6/11 kiloVolts</td></tr> <tr><td>enumeration</td><td>12</td><td>11 kiloVolts</td></tr> <tr><td>enumeration</td><td>13</td><td>22 kiloVolts</td></tr> <tr><td>enumeration</td><td>14</td><td>380 Volts</td></tr> <tr><td>enumeration</td><td>15</td><td>11/22 kiloVolts</td></tr> </table>		enumeration	1	230 Volts	enumeration	2	400 Volts.	enumeration	3	120 Volts	enumeration	4	120/240 Volts	enumeration	5	208 Volts	enumeration	6	440 Volts	enumeration	7	440/690 Volts	enumeration	8	480 Volts	enumeration	9	690 Volts	enumeration	10	6.6 kiloVolts	enumeration	11	6.6/11 kiloVolts	enumeration	12	11 kiloVolts	enumeration	13	22 kiloVolts	enumeration	14	380 Volts	enumeration	15	11/22 kiloVolts
enumeration	1	230 Volts																																													
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enumeration	3	120 Volts																																													
enumeration	4	120/240 Volts																																													
enumeration	5	208 Volts																																													
enumeration	6	440 Volts																																													
enumeration	7	440/690 Volts																																													
enumeration	8	480 Volts																																													
enumeration	9	690 Volts																																													
enumeration	10	6.6 kiloVolts																																													
enumeration	11	6.6/11 kiloVolts																																													
enumeration	12	11 kiloVolts																																													
enumeration	13	22 kiloVolts																																													
enumeration	14	380 Volts																																													
enumeration	15	11/22 kiloVolts																																													
Used by	Attribute	OnshorePowerFacility_categoryOfVoltageType/@code																																													

Simple Type `cathodicProtectionSystemType`

Namespace <http://www.ihc.int/S131/2.0>

Annotations	A system used to protect metal structures against corrosion by supplying direct current to the immersed external surface of the structure.	
Diagram	<pre> classDiagram class cathodicProtectionSystemType class xsboolean cathodicProtectionSystemType --> xsboolean </pre> <p>A system used to protect metal structures against corrosion by supplying direct current to the immersed external...</p> <p>Built-in primitive type. It defines the boolean values true and false.</p>	
Type	xs:boolean	
Used by	Element	BerthType/cathodicProtectionSystem

Simple Type cityNameType

Namespace	http://www.oho.int/S131/2.0	
Annotations	The name of a town or city.	
Diagram	<pre> classDiagram class cityNameType class xsstring cityNameType --> xsstring </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

Simple Type communicationChannelType

Namespace	http://www.oho.int/S131/2.0	
Annotations	A channel number assigned to a specific radio frequency, frequencies or frequency band.	
Diagram	<pre> classDiagram class communicationChannelType class xsstring communicationChannelType --> xsstring </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	Element	ContactDetailsType/communicationChannel

Simple Type comparisonOperatorLabel

Namespace	http://www.oho.int/S131/2.0	
Annotations	Numerical comparison.	
Diagram	<pre> classDiagram class comparisonOperatorLabel class xsstring comparisonOperatorLabel --> xsstring </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.
Facets	enumeration	Less Than or Equal To
		4: The value of the left expression is less than or equal to that of the right.
	enumeration	Equal To
		5: The two values are equivalent.
	enumeration	Not Equal To
		6: The two values are not equivalent.
Used by	Complex Type	comparisonOperatorType

Simple Type comparisonOperatorCode

Namespace	http://www.oho.int/S131/2.0	
Annotations	Numerical comparison.	

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

Simple Type vesselMeasurementsSpecification_comparisonOperatorLabel

Namespace	http://www.ihc.int/S131/2.0	
Annotations	Restricted values of vesselMeasurementsSpecification/comparisonOperator	
Diagram	<p>Restricted values of vesselMeasurementsSpecification/comparisonOperator</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	restriction of xs:string	
Facets	enumeration	Greater Than
	enumeration	Greater Than or Equal To
	enumeration	Less Than
	enumeration	Less Than or Equal To
	enumeration	Equal To
	enumeration	Not Equal To
Used by	Complex Type	vesselMeasurementsSpecification_comparisonOperatorType

Simple Type vesselMeasurementsSpecification_comparisonOperatorCode

Namespace	http://www.ihc.int/S131/2.0	
Annotations	Restricted values of vesselMeasurementsSpecification/comparisonOperator	
Diagram	<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

Simple Type conditionLabel

Namespace	http://www.ihc.int/S131/2.0
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Annotations	The various conditions of buildings and other constructions.		
Diagram			
Type	restriction of xs:string		
Facets	enumeration	Under Construction	1: Being built but not yet capable of function.
	enumeration	Ruined	2: A structure in a decayed or deteriorated condition resulting from neglect or disuse, or a damaged structure in need of repair.
	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	

Simple Type conditionCode

Namespace	http://www.aho.int/S131/2.0		
Annotations	The various conditions of buildings and other constructions.		
Diagram			
Type	restriction of xs:integer		
Facets	enumeration	1	Being built but not yet capable of function.
	enumeration	2	A structure in a decayed or deteriorated condition resulting from neglect or disuse, or a damaged structure in need of repair.
	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	

Simple Type constructionInformation_conditionLabel

Namespace	http://www.aho.int/S131/2.0		
Annotations	Restricted values of constructionInformation/condition		
Diagram			
Type	restriction of xs:string		
Facets	enumeration	Under Construction	
	enumeration	Ruined	
	enumeration	Under Reclamation	
	enumeration	Planned Construction	
Used by	Complex Type	constructionInformation_conditionType	

Simple Type constructionInformation_conditionCode

Namespace	http://www.aho.int/S131/2.0		
Annotations	Restricted values of constructionInformation/condition		

Diagram	<p>Restricted values of constructionInformation/condition</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	5
Used by	Attribute	constructionInformation_conditionType/@code

Simple Type contactInstructionsType

Namespace	http://www.aho.int/S131/2.0	
Annotations	Instructions provided on how to contact a particular person, organisation or service.	
Diagram	<p>Instructions provided on how to contact a particular person, organisation or service.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	xs:string	
Used by	Elements ContactDetailsType/contactInstructions, telecommunicationsType/contactInstructions	

Simple Type countryNameType

Namespace	http://www.aho.int/S131/2.0	
Annotations	The name of a nation.	
Diagram	<p>The name of a nation.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	xs:string	
Used by	Elements contactAddressType/countryName, sourceIndicationType/countryName	

Simple Type dateVariableType

Namespace	http://www.aho.int/S131/2.0	
Annotations	A day which is not fixed in the Gregorian calendar.	
Diagram	<p>A day which is not fixed in the Gregorian calendar.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	xs:string	
Used by	Element NonStandardWorkingDayType/dateVariable	

Simple Type dayOfWeekLabel

Namespace	http://www.aho.int/S131/2.0	
Annotations	Any one of seven days in a week.	
Diagram	<p>Any one of seven days in a week.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	

Type	restriction of xs:string		
Facets	enumeration	Sunday	1: The day of the week following Saturday and preceding Monday.
	enumeration	Monday	2: The day of the week following Sunday and preceding Tuesday.
	enumeration	Tuesday	3: The day of the week following Monday and preceding Wednesday.
	enumeration	Wednesday	4: The day of the week following Tuesday and preceding Thursday.
	enumeration	Thursday	5: The day of the week following Wednesday and preceding Friday.
	enumeration	Friday	6: The day of the week following Thursday and preceding Saturday.
	enumeration	Saturday	7: The day of the week following Friday and preceding Sunday.
Used by	Complex Type	dayOfWeekType	

Simple Type dayOfWeekCode

Namespace	http://www.aho.int/S131/2.0		
Annotations	Any one of seven days in a week.		
Diagram	<p>Any one of seven days in a week. Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>		
Type	restriction of xs:integer		
Facets	enumeration	1	The day of the week following Saturday and preceding Monday.
	enumeration	2	The day of the week following Sunday and preceding Tuesday.
	enumeration	3	The day of the week following Monday and preceding Wednesday.
	enumeration	4	The day of the week following Tuesday and preceding Thursday.
	enumeration	5	The day of the week following Wednesday and preceding Friday.
	enumeration	6	The day of the week following Thursday and preceding Saturday.
	enumeration	7	The day of the week following Friday and preceding Sunday.
Used by	Attribute	dayOfWeekType/@code	

Simple Type timeIntervalsByDayOfWeek_dayOfWeekLabel

Namespace	http://www.aho.int/S131/2.0		
Annotations	Restricted values of timeIntervalsByDayOfWeek/dayOfWeek		
Diagram	<p>Restricted values of timeIntervalsByDayOfWeek/dayOfWeek. Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	restriction of xs:string		
Facets	enumeration	Sunday	
	enumeration	Monday	
	enumeration	Tuesday	
	enumeration	Wednesday	
	enumeration	Thursday	
	enumeration	Friday	
	enumeration	Saturday	

Used by	Complex Type	timeIntervalsByDayOfWeek_dayOfWeekType
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Simple Type timeIntervalsByDayOfWeek_dayOfWeekCode

Namespace	http://www.aho.int/S131/2.0																						
Annotations	Restricted values of timeIntervalsByDayOfWeek/dayOfWeek																						
Diagram	<p>timeIntervalsByDayOfWeek_dayOfWeekCode → xs:integer</p> <p>Restricted values of timeIntervalsByDayOfWeek/dayOfWeek</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>																						
Type	restriction of xs:integer																						
Facets	<table border="1"> <tr> <td>enumeration</td> <td>1</td> <td>The day of the week following Saturday and preceding Monday.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>The day of the week following Sunday and preceding Tuesday.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>The day of the week following Monday and preceding Wednesday.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>The day of the week following Tuesday and preceding Thursday.</td> </tr> <tr> <td>enumeration</td> <td>5</td> <td>The day of the week following Wednesday and preceding Friday.</td> </tr> <tr> <td>enumeration</td> <td>6</td> <td>The day of the week following Thursday and preceding Saturday.</td> </tr> <tr> <td>enumeration</td> <td>7</td> <td>The day of the week following Friday and preceding Sunday.</td> </tr> </table>		enumeration	1	The day of the week following Saturday and preceding Monday.	enumeration	2	The day of the week following Sunday and preceding Tuesday.	enumeration	3	The day of the week following Monday and preceding Wednesday.	enumeration	4	The day of the week following Tuesday and preceding Thursday.	enumeration	5	The day of the week following Wednesday and preceding Friday.	enumeration	6	The day of the week following Thursday and preceding Saturday.	enumeration	7	The day of the week following Friday and preceding Sunday.
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enumeration	6	The day of the week following Thursday and preceding Saturday.																					
enumeration	7	The day of the week following Friday and preceding Sunday.																					
Used by	Attribute timeIntervalsByDayOfWeek_dayOfWeekType/@code																						

Simple Type dayOfWeekIsRangeType

Namespace	http://www.aho.int/S131/2.0	
Annotations	A statement expressing if the days of the week identified define a range or not.	
Diagram	<p>dayOfWeekIsRangeType → xs:boolean</p> <p>A statement expressing if the days of the week identified define a range or not.</p> <p>Built-in primitive type. It defines the boolean values true and false.</p>	
Type	xs:boolean	
Used by	Element timeIntervalsByDayOfWeekType/dayOfWeekIsRange	

Simple Type deliveryPointType

Namespace	http://www.aho.int/S131/2.0	
Annotations	Details of where post can be delivered such as the apartment, name and/or number of a street, building or PO Box.	
Diagram	<p>deliveryPointType → xs:string</p> <p>Details of where post can be delivered such as the apartment, name and/or number of a street, building or PO Box.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	xs:string	
Used by	Element contactAddressType/deliveryPoint	

Simple Type destinationType

Namespace	http://www.aho.int/S131/2.0	
Annotations	The place or general direction to which a vessel is going or directed.	
Diagram	<p>destinationType → xs:string</p> <p>The place or general direction to which a vessel is going or directed.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	

Type	xs:string
Used by	Element ApplicabilityType/destination

Simple Type developmentType

Namespace	http://www.ihc.int/S131/2.0
Annotations	Describes a feature that is in development.
Diagram	<p>The diagram shows a purple rounded rectangle labeled "developmentType" connected by a line with a circle to a purple rounded rectangle labeled "xs:string". A callout box below "developmentType" states: "Describes a feature that is in development." A callout box below "xs:string" states: "Built-in primitive type. The string datatype represents character strings in XML."</p>
Type	xs:string
Used by	Element constructionInformationType/development

Simple Type distanceType

Namespace	http://www.ihc.int/S131/2.0
Annotations	A numeric measure of the spatial separation between two locations.
Diagram	<p>The diagram shows a purple rounded rectangle labeled "distanceType" connected by a line with a circle to a purple rounded rectangle labeled "xs:decimal". A callout box below "distanceType" states: "A numeric measure of the spatial separation between two locations." A callout box below "xs:decimal" states: "Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers."</p>
Type	xs:decimal
Used by	Element bearingInformationType/distance

Simple Type dynamicResourceLabel

Namespace	http://www.ihc.int/S131/2.0												
Annotations	Whether a vessel must use a shore-based or other resource to obtain up-to-date information.												
Diagram	<p>The diagram shows a purple rounded rectangle labeled "dynamicResourceLabel" connected by a line with a circle to a purple rounded rectangle labeled "xs:string". A callout box below "dynamicResourceLabel" states: "Whether a vessel must use a shore-based or other resource to obtain up-to-date information." A callout box below "xs:string" states: "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>Static</td> <td>1: The information is static, or a source of up-to-date information is unavailable or unknown.</td> </tr> <tr> <td>enumeration</td> <td>Mandatory External Dynamic</td> <td>2: 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>Optional External Dynamic</td> <td>3: 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>Onboard Dynamic</td> <td>4: Up-to-date information may be computed using only onboard resources.</td> </tr> </table>	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.
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enumeration	Onboard Dynamic	4: Up-to-date information may be computed using only onboard resources.											
Used by	Complex Type dynamicResourceType												

Simple Type dynamicResourceCode

Namespace	http://www.ihc.int/S131/2.0			
Annotations	Whether a vessel must use a shore-based or other resource to obtain up-to-date information.			
Diagram	<p>The diagram shows a purple rounded rectangle labeled "dynamicResourceCode" connected by a line with a circle to a purple rounded rectangle labeled "xs:integer". A callout box below "dynamicResourceCode" states: "Whether a vessel must use a shore-based or other resource to obtain up-to-date information." A callout box below "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="0"> <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> </table>	enumeration	1	The information is static, or a source of up-to-date information is unavailable or unknown.
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	dynamicResourceType/@code	

Simple Type weatherResource_dynamicResourceLabel

Namespace	http://www.ih0.int/S131/2.0														
Annotations	Restricted values of weatherResource/dynamicResource														
Diagram	<p>The diagram shows a UML class named 'weatherResource_dynamicResourceLabel' with a multiplicity of 0..1. It has a directed association labeled with a circle containing a minus sign (-) pointing to another box labeled 'xs:string'. A callout box under 'weatherResource_dynamicResourceLabel' says 'Restricted values of weatherResource/dynamicResource'. A callout box under 'xs:string' says 'Built-in primitive type. The string datatype represents character strings in XML.'</p>														
Type	restriction of xs:string														
Facets	<table border="1"> <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 weatherResource_dynamicResourceType														

Simple Type weatherResource_dynamicResourceCode

Namespace	http://www.ih0.int/S131/2.0														
Annotations	Restricted values of weatherResource/dynamicResource														
Diagram	<p>The diagram shows a UML class named 'weatherResource_dynamicResourceCode' with a multiplicity of 0..1. It has a directed association labeled with a circle containing a minus sign (-) pointing to another box labeled 'xs:integer'. A callout box under 'weatherResource_dynamicResourceCode' says 'Restricted values of weatherResource/dynamicResource'. A callout box under 'xs:integer' says 'Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...'.</p>														
Type	restriction of xs:integer														
Facets	<table border="1"> <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.
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enumeration	4	Up-to-date information may be computed using only onboard resources.													
Used by	Attribute weatherResource_dynamicResourceType/@code														

Simple Type elevationType

Namespace	http://www.ih0.int/S131/2.0								
Annotations	The altitude of the ground level of an object, measured from a specified vertical datum.								
Diagram	<p>The diagram shows a UML class named 'elevationType' with a multiplicity of 0..1. It has a directed association labeled with a circle containing a minus sign (-) pointing to another box labeled 'xs:decimal'. A callout box under 'elevationType' says 'The altitude of the ground level of an object, measured from a specified vertical datum.'. A callout box under 'xs:decimal' says 'Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.'</p>								
Type	restriction of xs:decimal								
Facets	<table border="1"> <tr> <td>maxInclusive</td> <td>8850 . 0</td> <td></td> </tr> <tr> <td>minInclusive</td> <td>0 . 0</td> <td></td> </tr> </table>			maxInclusive	8850 . 0		minInclusive	0 . 0	
maxInclusive	8850 . 0								
minInclusive	0 . 0								

Used by	Element	BerthType/elevation
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Simple Type entranceDescriptionType

Namespace	http://www.ihc.int/S131/2.0
Annotations	Description of the seaward end of a channel, harbour, dock, etc.
Diagram	<pre> graph LR entranceDescriptionType[entranceDescriptionType] --- xsString[xs:string] </pre> <p>The diagram shows a UML class named "entranceDescriptionType" connected by a line to a box labeled "xs:string". A callout box under "entranceDescriptionType" says "Description of the seaward end of a channel, harbour, dock, etc.". A callout box under "xs:string" says "Built-in primitive type. The string datatype represents character strings in XML.".</p>
Type	xs:string
Used by	Element EntranceType/entranceDescription

Simple Type fileLocatorType

Namespace	http://www.ihc.int/S131/2.0
Annotations	The location of a fragment of text or other information in a support file.
Diagram	<pre> graph LR fileLocatorType[fileLocatorType] --- xsString[xs:string] </pre> <p>The diagram shows a UML class named "fileLocatorType" connected by a line to a box labeled "xs:string". A callout box under "fileLocatorType" says "The location of a fragment of text or other information in a support file.". A callout box under "xs:string" says "Built-in primitive type. The string datatype represents character strings in XML.".</p>
Type	xs:string
Used by	Element informationType/fileLocator

Simple Type fileReferenceType

Namespace	http://www.ihc.int/S131/2.0
Annotations	The file name of an externally referenced text file.
Diagram	<pre> graph LR fileReferenceType[fileReferenceType] --- xsString[xs:string] </pre> <p>The diagram shows a UML class named "fileReferenceType" connected by a line to a box labeled "xs:string". A callout box under "fileReferenceType" says "The file name of an externally referenced text file.". A callout box under "xs:string" says "Built-in primitive type. The string datatype represents character strings in XML.".</p>
Type	xs:string
Used by	Element informationType/fileReference

Simple Type firefightingServiceLabel

Namespace	http://www.ihc.int/S131/2.0									
Annotations	Services for combating fires, provided by different methods.									
Diagram	<pre> graph LR firefightingServiceLabel[fightingServiceLabel] --- xsString[xs:string] </pre> <p>The diagram shows a UML class named "firefightingServiceLabel" connected by a line to a box labeled "xs:string". A callout box under "firefightingServiceLabel" says "Services for combating fires, provided by different methods.". A callout box under "xs:string" says "Built-in primitive type. The string datatype represents character strings in XML.".</p>									
Type	restriction of xs:string									
Facets	<table border="0"> <tr> <td>enumeration</td> <td>Shore-Based Firefighting</td> <td>1: Personnel and equipment that are capable of combating a fire from ashore.</td> </tr> <tr> <td>enumeration</td> <td>Onboard Firefighting</td> <td>2: Trained firefighting personnel with the capability of boarding and combating a fire on a vessel.</td> </tr> <tr> <td>enumeration</td> <td>Firefighting Boat</td> <td>3: Specialised watercraft with firefighting apparatus designed for fighting shoreline and shipboard fires</td> </tr> </table>	enumeration	Shore-Based Firefighting	1: Personnel and equipment that are capable of combating a fire from ashore.	enumeration	Onboard Firefighting	2: Trained firefighting personnel with the capability of boarding and combating a fire on a vessel.	enumeration	Firefighting Boat	3: Specialised watercraft with firefighting apparatus designed for fighting shoreline and shipboard fires
enumeration	Shore-Based Firefighting	1: Personnel and equipment that are capable of combating a fire from ashore.								
enumeration	Onboard Firefighting	2: Trained firefighting personnel with the capability of boarding and combating a fire on a vessel.								
enumeration	Firefighting Boat	3: Specialised watercraft with firefighting apparatus designed for fighting shoreline and shipboard fires								
Used by	Complex Type firefightingServiceType									

Simple Type firefightingServiceCode

Namespace	http://www.ihc.int/S131/2.0
Annotations	Services for combating fires, provided by different methods.

Diagram	<p><code>firefightingServiceCode</code></p> <p>Services for combating fires, provided by different methods.</p> <p><code>xs:integer</code></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
	enumeration	2
	enumeration	3
Used by	Attribute	<code>firefightingServiceType/@code</code>

Simple Type AvailablePortServices_firefightingServiceLabel

Namespace	http://www.ihoint/S131/2.0							
Annotations	Custom enum: AvailablePortServices/firefightingService							
Diagram	<p><code>AvailablePortServices_firefightingServiceLabel</code></p> <p>Custom enum: AvailablePortServices/firefightingService</p> <p><code>xs:string</code></p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>							
Type	restriction of <code>xs:string</code>							
Facets	<table border="1"> <tr> <td>enumeration</td> <td>Shore-Based Firefighting</td> </tr> <tr> <td>enumeration</td> <td>Onboard Firefighting</td> </tr> <tr> <td>enumeration</td> <td>Firefighting Boat</td> </tr> </table>		enumeration	Shore-Based Firefighting	enumeration	Onboard Firefighting	enumeration	Firefighting Boat
enumeration	Shore-Based Firefighting							
enumeration	Onboard Firefighting							
enumeration	Firefighting Boat							
Used by	Complex Type	<code>AvailablePortServices_firefightingServiceType</code>						

Simple Type AvailablePortServices_firefightingServiceCode

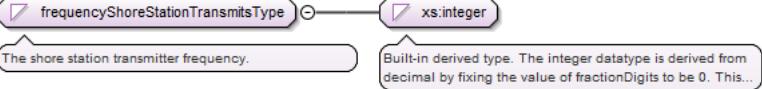
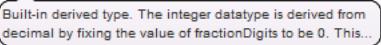
Namespace	http://www.ihoint/S131/2.0										
Annotations	Custom enum: AvailablePortServices/firefightingService										
Diagram	<p><code>AvailablePortServices_firefightingServiceCode</code></p> <p>Custom enum: AvailablePortServices/firefightingService</p> <p><code>xs:integer</code></p> <p>Built-in 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	<table border="1"> <tr> <td>enumeration</td> <td>1</td> <td>Personnel and equipment that are capable of combating a fire from ashore.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>Trained firefighting personnel with the capability of boarding and combating a fire on a vessel.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>Specialised watercraft with firefighting apparatus designed for fighting shoreline and shipboard fires</td> </tr> </table>		enumeration	1	Personnel and equipment that are capable of combating a fire from ashore.	enumeration	2	Trained firefighting personnel with the capability of boarding and combating a fire on a vessel.	enumeration	3	Specialised watercraft with firefighting apparatus designed for fighting shoreline and shipboard fires
enumeration	1	Personnel and equipment that are capable of combating a fire from ashore.									
enumeration	2	Trained firefighting personnel with the capability of boarding and combating a fire on a vessel.									
enumeration	3	Specialised watercraft with firefighting apparatus designed for fighting shoreline and shipboard fires									
Used by	Attribute	<code>AvailablePortServices_firefightingServiceType/@code</code>									

Simple Type frequencyShoreStationReceivesType

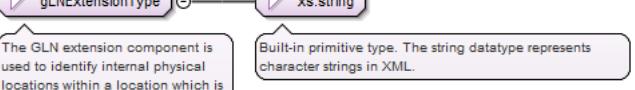
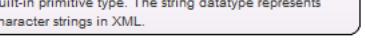
Namespace	http://www.ihoint/S131/2.0	
Annotations	The shore station receiver frequency.	
Diagram	<p><code>frequencyShoreStationReceivesType</code></p> <p>The shore station receiver frequency.</p> <p><code>xs:integer</code></p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>	
Type	restriction of <code>xs:integer</code>	
Facets	minExclusive	0

Used by	Element	frequencyPairType/frequencyShoreStationReceives
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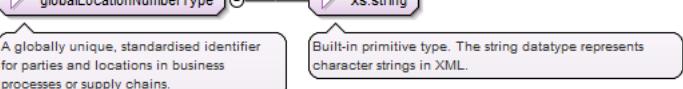
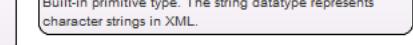
Simple Type frequencyShoreStationTransmitsType

Namespace	http://www.oho.int/S131/2.0	
Annotations	The shore station transmitter frequency.	
Diagram		
Type	restriction of xs:integer	
Facets	minExclusive	0
Used by	Element	frequencyPairType/frequencyShoreStationTransmits

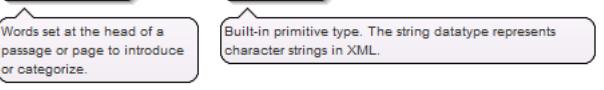
Simple Type gLNExtensionType

Namespace	http://www.oho.int/S131/2.0	
Annotations	The GLN extension component is used to identify internal physical locations within a location which is identified with a GLN. Must conform to the rules for GLN extension. (GS1 specification).	
Diagram		
Type	xs:string	
Used by	Elements	BerthPositionType/gLNExtension, BerthType/gLNExtension

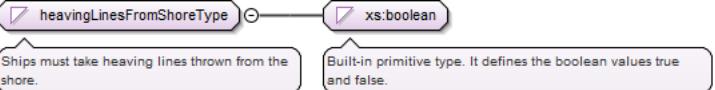
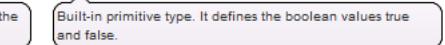
Simple Type globalLocationNumberType

Namespace	http://www.oho.int/S131/2.0	
Annotations	A globally unique, standardised identifier for parties and locations in business processes or supply chains.	
Diagram		
Type	xs:string	
Used by	Element	FeatureTypeType/globalLocationNumber

Simple Type headlineType

Namespace	http://www.oho.int/S131/2.0	
Annotations	Words set at the head of a passage or page to introduce or categorize.	
Diagram		
Type	xs:string	
Used by	Elements	informationType/headline, rxNCodeType/headline

Simple Type heavingLinesFromShoreType

Namespace	http://www.oho.int/S131/2.0	
Annotations	Ships must take heaving lines thrown from the shore.	
Diagram		

Type	xs:boolean
Used by	Element MooringWarpingFacilityType/heavingLinesFromShore

Simple Type heightType

Namespace	http://www.ihodata.org/S131/2.0
Annotations	The value of the vertical distance to the highest point of the feature, measured from a specified vertical datum.
Diagram	<pre> classDiagram class heightType { <<The value of the vertical distance to the highest point of the feature, measured from a specified vertical datum.>> } class xsDecimal { <<Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.>> } heightType < -- xsDecimal </pre>
Type	restriction of xs:decimal
Facets	minExclusive 0 . 0
Used by	Element BollardType/height

Simple Type horizontalDistanceUncertaintyType

Namespace	http://www.ihodata.org/S131/2.0
Annotations	The best estimate of the horizontal accuracy of horizontal clearances and distances.
Diagram	<pre> classDiagram class horizontalDistanceUncertaintyType { <<The best estimate of the horizontal accuracy of horizontal clearances and distances.>> } class xsDecimal { <<Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.>> } horizontalDistanceUncertaintyType < -- xsDecimal </pre>
Type	restriction of xs:decimal
Facets	minInclusive 0
Used by	Element QualityOfNonBathymetricDataType/horizontalDistanceUncertainty

Simple Type iDCodeType

Namespace	http://www.ihodata.org/S131/2.0
Annotations	Identification code as specified in predefined system. Also called identification number.
Diagram	<pre> classDiagram class iDCodeType { <<Identification code as specified in predefined system. Also called identification number.>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } iDCodeType < -- xsString </pre>
Type	xs:string
Used by	Elements MooringWarpingFacilityType/iDCode, OnshorePowerFacilityType/iDCode

Simple Type inBallastType

Namespace	http://www.ihodata.org/S131/2.0
Annotations	Whether the vessel is in ballast.
Diagram	<pre> classDiagram class inBallastType { <<Whether the vessel is in ballast.>> } class xsBoolean { <<Built-in primitive type. It defines the boolean values true and false.>> } inBallastType < -- xsBoolean </pre>
Type	xs:boolean
Used by	Element ApplicabilityType/inBallast

Simple Type interoperabilityIdentifierType

Namespace	http://www.ihodata.org/S131/2.0
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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	<p>A common unique identifier for entities which describe a single real-world feature, and which is used to identify...</p> <p>Built-in primitive type. The anyURI datatype represents a Uniform Resource Identifier Reference (URI).</p>	
Type	xs:anyURI	
Used by	Elements	DataCoverageType/interoperabilityIdentifier, FeatureTypeType/interoperabilityIdentifier, QualityOfNonBathymetricDataType/interoperabilityIdentifier

Simple Type iSPSLevelLabel

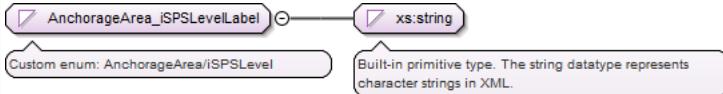
Namespace	http://www.ihodata.org/S131/2.0		
Annotations	Classification of ISPS security levels according to the ISPS Code.		
Diagram	<p>Classification of ISPS security levels according to the ISPS Code.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	restriction of xs:string		
Facets	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.
Used by	Complex Type	iSPSLevelType	

Simple Type iSPSLevelCode

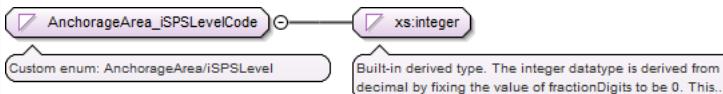
Namespace	http://www.ihodata.org/S131/2.0		
Annotations	Classification of ISPS security levels according to the ISPS Code.		
Diagram	<p>Classification of ISPS security levels according to the ISPS Code.</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of 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	iSPSLevelType/@code	

Simple Type AnchorageArea_iSPSLevelLabel

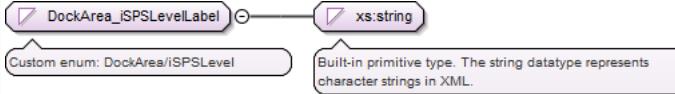
Namespace	http://www.ihodata.org/S131/2.0	
Annotations	Custom enum: AnchorageArea/iSPSLevel	

Diagram										
Type	restriction of xs:string									
Facets	<table> <tr> <td>enumeration</td> <td>ISPS Level 1</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ISPS Level 2</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ISPS Level 3</td> <td></td> </tr> </table>	enumeration	ISPS Level 1		enumeration	ISPS Level 2		enumeration	ISPS Level 3	
enumeration	ISPS Level 1									
enumeration	ISPS Level 2									
enumeration	ISPS Level 3									
Used by	Complex Type AnchorageArea_iSPSLevelType									

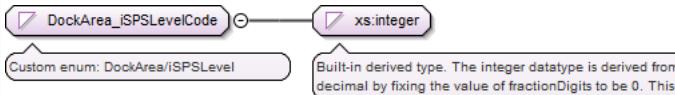
Simple Type AnchorageArea_iSPSLevelCode

Namespace	http://www.ih0.int/S131/2.0										
Annotations	Custom enum: AnchorageArea/iSPSLevel										
Diagram											
Type	restriction of xs:integer										
Facets	<table> <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 AnchorageArea_iSPSLevelType/@code										

Simple Type DockArea_iSPSLevelLabel

Namespace	http://www.ih0.int/S131/2.0										
Annotations	Custom enum: DockArea/iSPSLevel										
Diagram											
Type	restriction of xs:string										
Facets	<table> <tr> <td>enumeration</td> <td>ISPS Level 1</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ISPS Level 2</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ISPS Level 3</td> <td></td> </tr> </table>		enumeration	ISPS Level 1		enumeration	ISPS Level 2		enumeration	ISPS Level 3	
enumeration	ISPS Level 1										
enumeration	ISPS Level 2										
enumeration	ISPS Level 3										
Used by	Complex Type DockArea_iSPSLevelType										

Simple Type DockArea_iSPSLevelCode

Namespace	http://www.ih0.int/S131/2.0				
Annotations	Custom enum: DockArea/iSPSLevel				
Diagram					
Type	restriction of xs:integer				
Facets	<table> <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> </table>		enumeration	1	The level for which minimum appropriate protective security measures shall be maintained at all times.
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 DockArea_iSPSLevelType/@code		

Simple Type DumpingGround_iSPSLevelLabel

Namespace	http://www.aho.int/S131/2.0											
Annotations	Custom enum: DumpingGround/iSPSLevel											
Diagram	<p>DumpingGround_iSPSLevelLabel is a custom enum type derived from xs:string. It consists of three levels: ISPS Level 1, ISPS Level 2, and ISPS Level 3.</p>											
Type	restriction of xs:string											
Facets	<table> <tr> <td>enumeration</td> <td>ISPS Level 1</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ISPS Level 2</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ISPS Level 3</td> <td></td> </tr> </table>			enumeration	ISPS Level 1		enumeration	ISPS Level 2		enumeration	ISPS Level 3	
enumeration	ISPS Level 1											
enumeration	ISPS Level 2											
enumeration	ISPS Level 3											
Used by	Complex Type DumpingGround_iSPSLevelType											

Simple Type DumpingGround_iSPSLevelCode

Namespace	http://www.aho.int/S131/2.0											
Annotations	Custom enum: DumpingGround/iSPSLevel											
Diagram	<p>DumpingGround_iSPSLevelCode is a custom enum type derived from xs:integer. It consists of three levels: ISPS Level 1, ISPS Level 2, and ISPS Level 3.</p>											
Type	restriction of xs:integer											
Facets	<table> <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.
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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 DumpingGround_iSPSLevelType/@code											

Simple Type HarbourAreaAdministrative_iSPSLevelLabel

Namespace	http://www.aho.int/S131/2.0											
Annotations	Custom enum: HarbourAreaAdministrative/iSPSLevel											
Diagram	<p>HarbourAreaAdministrative_iSPSLevelLabel is a custom enum type derived from xs:string. It consists of three levels: ISPS Level 1, ISPS Level 2, and ISPS Level 3.</p>											
Type	restriction of xs:string											
Facets	<table> <tr> <td>enumeration</td> <td>ISPS Level 1</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ISPS Level 2</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ISPS Level 3</td> <td></td> </tr> </table>			enumeration	ISPS Level 1		enumeration	ISPS Level 2		enumeration	ISPS Level 3	
enumeration	ISPS Level 1											
enumeration	ISPS Level 2											
enumeration	ISPS Level 3											

Used by	Complex Type	HarbourAreaAdministrative_iSPSLevelType
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Simple Type HarbourAreaAdministrative_iSPSLevelCode

Namespace	http://www.aho.int/S131/2.0										
Annotations	Custom enum: HarbourAreaAdministrative/iSPSLevel										
Diagram	<pre> classDiagram class HarbourAreaAdministrative_iSPSLevelCode { <<Custom enum: HarbourAreaAdministrative/iSPSLevel>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } HarbourAreaAdministrative_iSPSLevelCode "1" -- "0..1" xs_integer </pre>										
Type	restriction of xs:integer										
Facets	<table> <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.									
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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	HarbourAreaAdministrative_iSPSLevelType/@code									

Simple Type HarbourAreaSection_iSPSLevelLabel

Namespace	http://www.aho.int/S131/2.0										
Annotations	Custom enum: HarbourAreaSection/iSPSLevel										
Diagram	<pre> classDiagram class HarbourAreaSection_iSPSLevelLabel { <<Custom enum: HarbourAreaSection/iSPSLevel>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } HarbourAreaSection_iSPSLevelLabel "1" -- "0..1" xs_string </pre>										
Type	restriction of xs:string										
Facets	<table> <tr> <td>enumeration</td> <td>ISPS Level 1</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ISPS Level 2</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ISPS Level 3</td> <td></td> </tr> </table>	enumeration	ISPS Level 1		enumeration	ISPS Level 2		enumeration	ISPS Level 3		
enumeration	ISPS Level 1										
enumeration	ISPS Level 2										
enumeration	ISPS Level 3										
Used by	Complex Type	HarbourAreaSection_iSPSLevelType									

Simple Type HarbourAreaSection_iSPSLevelCode

Namespace	http://www.aho.int/S131/2.0										
Annotations	Custom enum: HarbourAreaSection/iSPSLevel										
Diagram	<pre> classDiagram class HarbourAreaSection_iSPSLevelCode { <<Custom enum: HarbourAreaSection/iSPSLevel>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } HarbourAreaSection_iSPSLevelCode "1" -- "0..1" xs_integer </pre>										
Type	restriction of xs:integer										
Facets	<table> <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	HarbourAreaSection_iSPSLevelType/@code									

Simple Type HarbourBasin_iSPSLevelLabel

Namespace	http://www.oho.int/S131/2.0							
Annotations	Custom enum: HarbourBasin/iSPSLevel							
Diagram	<pre> graph LR HBIL[HarbourBasin_iSPSLevelLabel] --> xsString[xs:string] HBIL --- C1[Custom enum: HarbourBasin/iSPSLevel] xsString --- C2[Built-in primitive type. The string datatype represents character strings in XML.] </pre>							
Type	restriction of xs:string							
Facets	<table> <tr> <td>enumeration</td> <td>ISPS Level 1</td> </tr> <tr> <td>enumeration</td> <td>ISPS Level 2</td> </tr> <tr> <td>enumeration</td> <td>ISPS Level 3</td> </tr> </table>		enumeration	ISPS Level 1	enumeration	ISPS Level 2	enumeration	ISPS Level 3
enumeration	ISPS Level 1							
enumeration	ISPS Level 2							
enumeration	ISPS Level 3							
Used by	Complex Type HarbourBasin_iSPSLevelType							

Simple Type HarbourBasin_iSPSLevelCode

Namespace	http://www.oho.int/S131/2.0										
Annotations	Custom enum: HarbourBasin/iSPSLevel										
Diagram	<pre> graph LR HBILC[HarbourBasin_iSPSLevelCode] --> xsInteger[xs:integer] HBILC --- C1[Custom enum: HarbourBasin/iSPSLevel] xsInteger --- C2[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> <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 HarbourBasin_iSPSLevelType/@code										

Simple Type PilotBoardingPlace_iSPSLevelLabel

Namespace	http://www.oho.int/S131/2.0							
Annotations	Custom enum: PilotBoardingPlace/iSPSLevel							
Diagram	<pre> graph LR PBIL[PilotBoardingPlace_iSPSLevelLabel] --> xsString[xs:string] PBIL --- C1[Custom enum: PilotBoardingPlace/iSPSLevel] xsString --- C2[Built-in primitive type. The string datatype represents character strings in XML.] </pre>							
Type	restriction of xs:string							
Facets	<table> <tr> <td>enumeration</td> <td>ISPS Level 1</td> </tr> <tr> <td>enumeration</td> <td>ISPS Level 2</td> </tr> <tr> <td>enumeration</td> <td>ISPS Level 3</td> </tr> </table>		enumeration	ISPS Level 1	enumeration	ISPS Level 2	enumeration	ISPS Level 3
enumeration	ISPS Level 1							
enumeration	ISPS Level 2							
enumeration	ISPS Level 3							
Used by	Complex Type PilotBoardingPlace_iSPSLevelType							

Simple Type PilotBoardingPlace_iSPSLevelCode

Namespace	http://www.oho.int/S131/2.0							
Annotations	Custom enum: PilotBoardingPlace/iSPSLevel							
Diagram	<pre> graph LR PBILC[PilotBoardingPlace_iSPSLevelCode] --> xsInteger[xs:integer] PBILC --- C1[Custom enum: PilotBoardingPlace/iSPSLevel] xsInteger --- C2[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> <tr> <td>enumeration</td> <td>1</td> </tr> <tr> <td>enumeration</td> <td>2</td> </tr> <tr> <td>enumeration</td> <td>3</td> </tr> </table>		enumeration	1	enumeration	2	enumeration	3
enumeration	1							
enumeration	2							
enumeration	3							

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	PilotBoardingPlace_iSPSLevelType/@code	

Simple Type SeaplaneLandingArea_iSPSLevelLabel

Namespace	http://www.ihc.int/S131/2.0											
Annotations	Custom enum: SeaplaneLandingArea/iSPSLevel											
Diagram	<p>SeaplaneLandingArea_iSPSLevelLabel is a custom enum type derived from xs:string. It has three values: ISPS Level 1, ISPS Level 2, and ISPS Level 3. A callout box indicates that the string datatype represents character strings in XML.</p>											
Type	restriction of xs:string											
Facets	<table border="1"> <tr> <td>enumeration</td> <td>ISPS Level 1</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ISPS Level 2</td> <td></td> </tr> <tr> <td>enumeration</td> <td>ISPS Level 3</td> <td></td> </tr> </table>			enumeration	ISPS Level 1		enumeration	ISPS Level 2		enumeration	ISPS Level 3	
enumeration	ISPS Level 1											
enumeration	ISPS Level 2											
enumeration	ISPS Level 3											
Used by	Complex Type	SeaplaneLandingArea_iSPSLevelType										

Simple Type SeaplaneLandingArea_iSPSLevelCode

Namespace	http://www.ihc.int/S131/2.0											
Annotations	Custom enum: SeaplaneLandingArea/iSPSLevel											
Diagram	<p>SeaplaneLandingArea_iSPSLevelCode is a custom enum type derived from xs:integer. It has three values: ISPS Level 1, ISPS Level 2, and ISPS Level 3. A callout box indicates that the integer datatype is derived from decimal by fixing the value of fractionDigits to be 0.</p>											
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	SeaplaneLandingArea_iSPSLevelType/@code										

Simple Type TurningBasin_iSPSLevelLabel

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Custom enum: TurningBasin/iSPSLevel		
Diagram	<p>TurningBasin_iSPSLevelLabel is a custom enum type derived from xs:string. It has three values: ISPS Level 1, ISPS Level 2, and ISPS Level 3. A callout box indicates that the string datatype represents character strings in XML.</p>		

Type	restriction of xs:string	
Facets	enumeration	ISPS Level 1
	enumeration	ISPS Level 2
	enumeration	ISPS Level 3
Used by	Complex Type	TurningBasin_iSPSLevelType

Simple Type TurningBasin_iSPSLevelCode

Namespace	http://www.ih0.int/S131/2.0									
Annotations	Custom enum: TurningBasin/iSPSLevel									
Diagram	<pre> classDiagram class TurningBasin_iSPSLevelCode { <<Custom enum: TurningBasin/iSPSLevel>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } TurningBasin_iSPSLevelCode < -- xs_integer </pre>									
Type	restriction of xs:integer	restriction of xs:integer								
Facets		<table> <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
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 TurningBasin_iSPSLevelType/@code									

Simple Type languageType

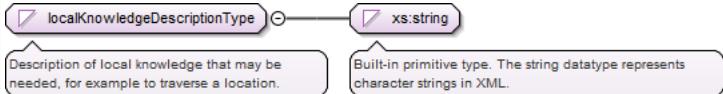
Namespace	http://www.ih0.int/S131/2.0	
Annotations	The method of human communication, either spoken or written, consisting of the use of words in a structured and conventional way.	
Diagram	<pre> classDiagram class languageType { <<The method of human communication, either spoken or written, consisting of the use of words in a structured and...>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } languageType < -- xs_string </pre>	
Type	xs:string	
Used by	Elements	ContactDetailsType/language, featureNameType/language, informationType/language

Simple Type linkageType

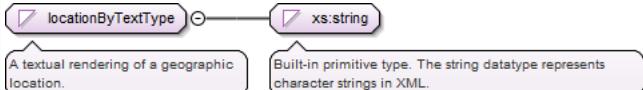
Namespace	http://www.ih0.int/S131/2.0	
Annotations	Location (address) for online access using a URL/URI address or similar addressing scheme.	
Diagram	<pre> classDiagram class linkageType { <<Location (address) for online access using a URL/URI address or similar addressing scheme...>> } class xs_anyURI { <<Built-in primitive type. The anyURI datatype represents a Uniform Resource Identifier Reference (URI).>> } linkageType < -- xs_anyURI </pre>	
Type	xs:anyURI	
Used by	Element	onlineResourceType/linkage

Simple Type localKnowledgeDescriptionType

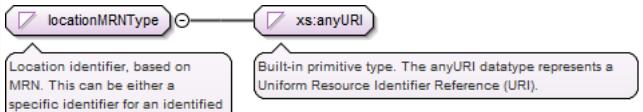
Namespace	http://www.ih0.int/S131/2.0	
Annotations	Description of local knowledge that may be needed, for example to traverse a location.	

Diagram	
Type	xs:string
Used by	Element EntranceType/localKnowledgeDescription

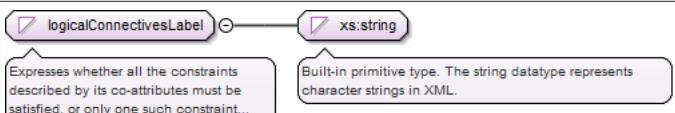
Simple Type locationByTextType

Namespace	http://www.ihc.int/S131/2.0
Annotations	A textual rendering of a geographic location.
Diagram	
Type	xs:string
Used by	Elements AnchorageAreaType/locationByText, BerthPositionType/locationByText, BerthType/locationByText, DockAreaType/locationByText, DumpingGroundType/locationByText, HarbourBasinType/locationByText, PilotBoardingPlaceType/locationByText, SeaplaneLandingAreaType/locationByText, Turning-BasinType/locationByText, WaterwayAreaType/locationByText, constructionInformationType/locationByText

Simple Type locationMRNType

Namespace	http://www.ihc.int/S131/2.0
Annotations	Location identifier, based on MRN. This can be either a specific identifier for an identified physical location or a type-only identifier for a logical location, such as BERTH.
Diagram	
Type	xs:anyURI
Used by	Element FeatureTypeType/locationMRN

Simple Type logicalConnectivesLabel

Namespace	http://www.ihc.int/S131/2.0						
Annotations	Expresses whether all the constraints described by its co-attributes must be satisfied, or only one such constraint need be satisfied.						
Diagram							
Type	restriction of xs:string						
Facets	<table border="0"> <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 logicalConnectivesType						

Simple Type logicalConnectivesCode

Namespace	http://www.ihc.int/S131/2.0
Annotations	Expresses whether all the constraints described by its co-attributes must be satisfied, or only one such constraint need be satisfied.

Diagram		
Type	restriction of xs:integer	
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	Attribute	logicalConnectivesType/@code

Simple Type Applicability_logicalConnectivesLabel

Namespace	http://www.oho.int/S131/2.0	
Annotations	Custom enum: Applicability/logicalConnectives	
Diagram		
Type	restriction of xs:string	
Facets	enumeration Logical Conjunction enumeration Logical Disjunction	
Used by	Complex Type	Applicability_logicalConnectivesType

Simple Type Applicability_logicalConnectivesCode

Namespace	http://www.oho.int/S131/2.0	
Annotations	Custom enum: Applicability/logicalConnectives	
Diagram		
Type	restriction of xs:integer	
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	Attribute	Applicability_logicalConnectivesType/@code

Simple Type manifoldNumberType

Namespace	http://www.oho.int/S131/2.0	
Annotations	An identifier for a specific location on a manifold (a pipe or chamber with several openings).	
Diagram		
Type	xs:string	
Used by	Elements	BerthPositionType/manifoldNumber, BerthType/manifoldNumber

Simple Type maximumDisplayScaleType

Namespace	http://www.oho.int/S131/2.0	
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Annotations	The largest intended viewing scale for the data.	
Diagram		
Type	restriction of xs:integer	
Facets	minInclusive 1	
Used by	Element DataCoverageType/maximumDisplayScale	

Simple Type maximumPermittedDraughtType

Namespace	http://www.ihc.int/S131/2.0	
Annotations	The maximum draught of a vessel permitted along a route, in a channel or dock, at a berth, or over a submerged feature.	
Diagram		
Type	restriction of xs:decimal	
Facets	maxInclusive 30.0 minExclusive 0.0	
Used by	Element MooringBuoyType/maximumPermittedDraught	

Simple Type maximumPermittedVesselLengthType

Namespace	http://www.ihc.int/S131/2.0	
Annotations	The maximum length of a vessel permitted in a channel or dock, at a berth, or at an anchorage or mooring.	
Diagram		
Type	restriction of xs:decimal	
Facets	minExclusive 0.0	
Used by	Element MooringBuoyType/maximumPermittedVesselLength	

Simple Type medicalServiceLabel

Namespace	http://www.ihc.int/S131/2.0																
Annotations	Services for the prevention or treatment of, or response to injury or illness.																
Diagram																	
Type	restriction of xs:string																
Facets	<table border="0"> <tr> <td>enumeration</td> <td>Ambulance</td> <td>1: A vehicle for conveying the sick or injured to or from a hospital.</td> </tr> <tr> <td>enumeration</td> <td>Fumigation</td> <td>2: Disinfection or purification with fumes.</td> </tr> <tr> <td>enumeration</td> <td>Doctor</td> <td>3: A place where a doctor is available to provide medical attention.</td> </tr> <tr> <td>enumeration</td> <td>Quarantine</td> <td>4: The isolation of patients with contagious diseases.</td> </tr> <tr> <td>enumeration</td> <td>Vaccination Centre</td> <td>5: A place where substances intended to procure immunity against one or several diseases are administered.</td> </tr> </table>		enumeration	Ambulance	1: A vehicle for conveying the sick or injured to or from a hospital.	enumeration	Fumigation	2: Disinfection or purification with fumes.	enumeration	Doctor	3: A place where a doctor is available to provide medical attention.	enumeration	Quarantine	4: The isolation of patients with contagious diseases.	enumeration	Vaccination Centre	5: A place where substances intended to procure immunity against one or several diseases are administered.
enumeration	Ambulance	1: A vehicle for conveying the sick or injured to or from a hospital.															
enumeration	Fumigation	2: Disinfection or purification with fumes.															
enumeration	Doctor	3: A place where a doctor is available to provide medical attention.															
enumeration	Quarantine	4: The isolation of patients with contagious diseases.															
enumeration	Vaccination Centre	5: A place where substances intended to procure immunity against one or several diseases are administered.															

Used by	Complex Type	medicalServiceType
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Simple Type medicalserviceCode

Namespace	http://www.aho.int/S131/2.0		
Annotations	Services for the prevention or treatment of, or response to injury or illness.		
Diagram	<p>The diagram shows a UML class named 'medicalserviceCode' with a hollow diamond symbol indicating it is derived from another type. A line connects 'medicalserviceCode' to a box labeled 'xs:integer'. Below the diagram, two callout boxes provide additional information: one states 'Services for the prevention or treatment of, or response to injury or illness.', 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	enumeration	1	A vehicle for conveying the sick or injured to or from a hospital.
		2	Disinfection or purification with fumes.
		3	A place where a doctor is available to provide medical attention.
		4	The isolation of patients with contagious diseases.
		5	A place where substances intended to procure immunity against one or several diseases are administered.
Used by	Attribute	medicalServiceType/@code	

Simple Type AvailablePortServices_medicalServiceLabel

Namespace	http://www.aho.int/S131/2.0	
Annotations	Custom enum: AvailablePortServices/medicalService	
Diagram	<p>The diagram shows a UML class named 'AvailablePortServices_medicalServiceLabel' with a hollow diamond symbol indicating it is derived from another type. A line connects 'AvailablePortServices_medicalServiceLabel' to a box labeled 'xs:string'. Below the diagram, two callout boxes provide additional information: one states 'Custom enum: AvailablePortServices/medicalService', and the other states 'Built-in primitive type. The string datatype represents character strings in XML.'</p>	
Type	restriction of xs:string	
Facets	enumeration	Ambulance
		Fumigation
		Doctor
		Quarantine
		Vaccination Centre
Used by	Complex Type	AvailablePortServices_medicalServiceType

Simple Type AvailablePortServices_medicalServiceCode

Namespace	http://www.aho.int/S131/2.0		
Annotations	Custom enum: AvailablePortServices/medicalService		
Diagram	<p>The diagram shows a UML class named 'AvailablePortServices_medicalServiceCode' with a hollow diamond symbol indicating it is derived from another type. A line connects 'AvailablePortServices_medicalServiceCode' to a box labeled 'xs:integer'. Below the diagram, two callout boxes provide additional information: one states 'Custom enum: AvailablePortServices/medicalService', 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	enumeration	1	A vehicle for conveying the sick or injured to or from a hospital.
		2	Disinfection or purification with fumes.
		3	A place where a doctor is available to provide medical attention.
		4	The isolation of patients with contagious diseases.
		5	A place where substances intended to procure immunity against one or several diseases are administered.

Used by	Attribute	AvailablePortServices_medicalServiceType/@code
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Simple Type membershipLabel

Namespace	http://www.ihc.int/S131/2.0		
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.>> } xs:string membershipLabel "1" --> xs:string : <<Built-in primitive type. The string datatype represents character strings in XML.>> </pre>		
Type	restriction of xs:string		
Facets	enumeration	Included	1: Vessels with these characteristics are included in the regulation/restriction/recommendation/nautical information.
	enumeration	Excluded	2: Vessels with these characteristics are excluded from the regulation/restriction/recommendation/nautical information.
Used by	Complex Type	membershipType	

Simple Type membershipCode

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Indicates whether a vessel is included or excluded from the regulation/restriction/recommendation/nautical information.		
Diagram	<pre> classDiagram class membershipCode { <<Indicates whether a vessel is included or excluded from the regulation/restriction/recommendation/nautical information.>> } xs:integer membershipCode "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	Vessels with these characteristics are included in the regulation/restriction/recommendation/nautical information.
	enumeration	2	Vessels with these characteristics are excluded from the regulation/restriction/recommendation/nautical information.
Used by	Attribute	membershipType/@code	

Simple Type methodOfSecuringLabel

Namespace	http://www.ihc.int/S131/2.0		
Annotations	The process, arrangement or scheme of attachment used to secure a vessel to a berth.		
Diagram	<pre> classDiagram class methodOfSecuringLabel { <<The process, arrangement or scheme of attachment used to secure a vessel to a berth.>> } xs:string methodOfSecuringLabel "1" --> xs:string : <<Built-in primitive type. The string datatype represents character strings in XML.>> </pre>		
Type	restriction of xs:string		
Facets	enumeration	Bow to Seaward	1: Vessel is secured perpendicular to the wharf with bow to seaward.
	enumeration	Stern to Seaward	2: Vessel is secured perpendicular to the wharf with stern to the seaward.
	enumeration	Mediterranean Mooring	3: The vessel is secured perpendicular to the wharf.
	enumeration	Baltic Mooring	4: Mooring method/procedure used during onshore wind conditions without a tug.
	enumeration	Running Mooring	5: Mooring by maneuvering ahead and astern while dropping anchors to secure the vessel with reduced swinging room.

	enumeration	Standing Mooring	6: Mooring by using mainly wind and tide to position the vessel while dropping anchors to secure the vessel with reduced swinging room. Makes limited use of the engine to position the vessel.
	enumeration	Single Point Mooring	7: A mooring structure used by tankers to load and unload in port approaches or in offshore oil and gas fields. The size of the structure can vary between a large mooring buoy and a manned floating structure.
	enumeration	Multi-Buoy Mooring	8: A facility where a vessel is usually moored by a combination of the ship's anchors forward and mooring buoys aft and held on a fixed heading. Also called Conventional Buoy Mooring (CBM).
	enumeration	Ship-to-Ship Mooring	9: Mooring alongside another vessel.
	enumeration	Spider Buoy Mooring	10: Mooring system supported by a spider buoy.
Used by	Complex Type	methodOfSecuringType	

Simple Type methodOfSecuringCode

Namespace	http://www.ihc.int/S131/2.0		
Annotations	The process, arrangement or scheme of attachment used to secure a vessel to a berth.		
Diagram			
Type	restriction of xs:integer		
Facets	enumeration	1	Vessel is secured perpendicular to the wharf with bow to seaward.
	enumeration	2	Vessel is secured perpendicular to the wharf with stern to the seaward.
	enumeration	3	The vessel is secured perpendicular to the wharf.
	enumeration	4	Mooring method/procedure used during onshore wind conditions without a tug.
	enumeration	5	Mooring by maneuvering ahead and astern while dropping anchors to secure the vessel with reduced swinging room.
	enumeration	6	Mooring by using mainly wind and tide to position the vessel while dropping anchors to secure the vessel with reduced swinging room. Makes limited use of the engine to position the vessel.
	enumeration	7	A mooring structure used by tankers to load and unload in port approaches or in offshore oil and gas fields. The size of the structure can vary between a large mooring buoy and a manned floating structure.
	enumeration	8	A facility where a vessel is usually moored by a combination of the ship's anchors forward and mooring buoys aft and held on a fixed heading. Also called Conventional Buoy Mooring (CBM).
	enumeration	9	Mooring alongside another vessel.
	enumeration	10	Mooring system supported by a spider buoy.
Used by	Attribute	methodOfSecuringType/@code	

Simple Type Berth_methodOfSecuringLabel

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Custom enum: Berth/methodOfSecuring		
Diagram			
Type	restriction of xs:string		

Facets	enumeration	Bow to Seaward
	enumeration	Stern to Seaward
	enumeration	Mediterranean Mooring
	enumeration	Baltic Mooring
	enumeration	Running Mooring
	enumeration	Standing Mooring
	enumeration	Single Point Mooring
	enumeration	Multi-Buoy Mooring
	enumeration	Ship-to-Ship Mooring
	enumeration	Spider Buoy Mooring
Used by	Complex Type	Berth_methodOfSecuringType

Simple Type Berth_methodOfSecuringCode

Namespace	http://www.ihc.int/S131/2.0																															
Annotations	Custom enum: Berth/methodOfSecuring																															
Diagram	<p>Custom enum: Berth/methodOfSecuring</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>Vessel is secured perpendicular to the wharf with bow to seaward.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>Vessel is secured perpendicular to the wharf with stern to the seaward.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>The vessel is secured perpendicular to the wharf.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>Mooring method/procedure used during onshore wind conditions without a tug.</td> </tr> <tr> <td>enumeration</td> <td>5</td> <td>Mooring by maneuvering ahead and astern while dropping anchors to secure the vessel with reduced swinging room.</td> </tr> <tr> <td>enumeration</td> <td>6</td> <td>Mooring by using mainly wind and tide to position the vessel while dropping anchors to secure the vessel with reduced swinging room. Makes limited use of the engine to position the vessel.</td> </tr> <tr> <td>enumeration</td> <td>7</td> <td>A mooring structure used by tankers to load and unload in port approaches or in offshore oil and gas fields. The size of the structure can vary between a large mooring buoy and a manned floating structure.</td> </tr> <tr> <td>enumeration</td> <td>8</td> <td>A facility where a vessel is usually moored by a combination of the ship's anchors forward and mooring buoys aft and held on a fixed heading. Also called Conventional Buoy Mooring (CBM).</td> </tr> <tr> <td>enumeration</td> <td>9</td> <td>Mooring alongside another vessel.</td> </tr> <tr> <td>enumeration</td> <td>10</td> <td>Mooring system supported by a spider buoy.</td> </tr> </table>		enumeration	1	Vessel is secured perpendicular to the wharf with bow to seaward.	enumeration	2	Vessel is secured perpendicular to the wharf with stern to the seaward.	enumeration	3	The vessel is secured perpendicular to the wharf.	enumeration	4	Mooring method/procedure used during onshore wind conditions without a tug.	enumeration	5	Mooring by maneuvering ahead and astern while dropping anchors to secure the vessel with reduced swinging room.	enumeration	6	Mooring by using mainly wind and tide to position the vessel while dropping anchors to secure the vessel with reduced swinging room. Makes limited use of the engine to position the vessel.	enumeration	7	A mooring structure used by tankers to load and unload in port approaches or in offshore oil and gas fields. The size of the structure can vary between a large mooring buoy and a manned floating structure.	enumeration	8	A facility where a vessel is usually moored by a combination of the ship's anchors forward and mooring buoys aft and held on a fixed heading. Also called Conventional Buoy Mooring (CBM).	enumeration	9	Mooring alongside another vessel.	enumeration	10	Mooring system supported by a spider buoy.
enumeration	1	Vessel is secured perpendicular to the wharf with bow to seaward.																														
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enumeration	9	Mooring alongside another vessel.																														
enumeration	10	Mooring system supported by a spider buoy.																														
Used by	Attribute	Berth_methodOfSecuringType/@code																														

Simple Type metreMarkNumberType

Namespace	http://www.ihc.int/S131/2.0	
Annotations	An identifier for a specific position along a linear or curvilinear extent of a wharf, quay, or jetty. Numbering may be continued over multiple segments.	
Diagram	<p>An identifier for a specific position along a linear or curvilinear extent of a wharf, quay, or jetty. Numbering may be...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	xs:string	

Used by	Elements	BerthPositionType/metreMarkNumber, BerthType/metreMarkNumber
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Simple Type minimumBerthDepthType

Namespace	http://www.ihc.int/S131/2.0	
Annotations	The least depth of the body of water at the berth or in a berth pocket adjacent to the berth.	
Diagram	<pre> classDiagram class minimumBerthDepthType { <<The least depth of the body of water at the berth or in a berth pocket adjacent to the berth.>> } class xs_decimal { <<Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.>> } minimumBerthDepthType ⊂ xs_decimal </pre>	
Type	restriction of xs:decimal	
Facets	minExclusive	0 . 00
Used by	Element	BerthType/minimumBerthDepth

Simple Type minimumDisplayScaleType

Namespace	http://www.ihc.int/S131/2.0	
Annotations	The smallest intended viewing scale for the data.	
Diagram	<pre> classDiagram class minimumDisplayScaleType { <<The smallest intended viewing scale for the data.>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } minimumDisplayScaleType ⊂ xs_integer </pre>	
Type	restriction of xs:integer	
Facets	minInclusive	1
Used by	Element	DataCoverageType/minimumDisplayScale

Simple Type mMSICodeType

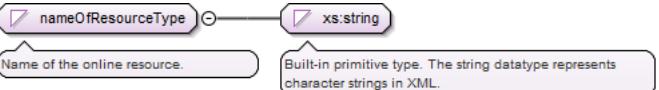
Namespace	http://www.ihc.int/S131/2.0	
Annotations	The Maritime Mobile Service Identity (MMSI) Code is formed of a series of nine digits which are transmitted over the radio path in order to uniquely identify ship stations, ship earth stations, coast stations, coast earth stations, and group calls. These identities are formed in such a way that the identity or part thereof can be used by telephone and telex subscribers connected to the general telecommunications network principally to call ships automatically.	
Diagram	<pre> classDiagram class mMSICodeType { <<The Maritime Mobile Service Identity (MMSI) Code is formed of a series of nine digits which are transmitted over the...>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } mMSICodeType ⊂ xs_string </pre>	
Type	xs:string	
Used by	Element	ContactDetailsType/mMSICode

Simple Type nameType

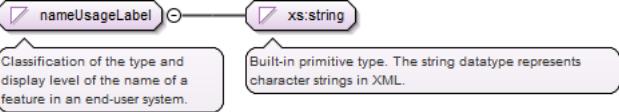
Namespace	http://www.ihc.int/S131/2.0	
Annotations	The individual name of a feature.	
Diagram	<pre> classDiagram class nameType { <<The individual name of a feature.>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } nameType ⊂ xs_string </pre>	
Type	xs:string	
Used by	Element	featureNameType/name

Simple Type nameOf ResourceType

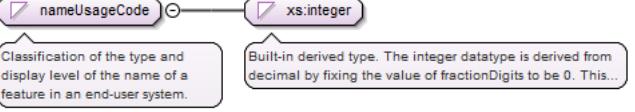
Namespace	http://www.ihc.int/S131/2.0	
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Annotations	Name of the online resource.	
Diagram		<p>Name of the online resource.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xs:string	
Used by	Element	onlineResourceType/nameOfResource

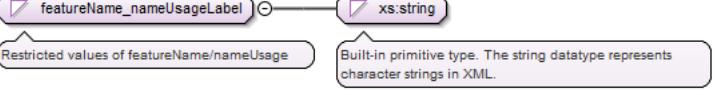
Simple Type nameUsageLabel

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Classification of the type and display level of the name of a feature in an end-user system.		
Diagram			<p>Classification of the type and display level of the name of a feature in an end-user system.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	restriction of xs:string		
Facets	enumeration	Default Name Display	1: The name is intended to be displayed when the end-user system is set to the default name/text display setting.
	enumeration	Alternate Name Display	2: The name is intended to be displayed when the end-user system is set to an alternate name/text display setting, for example an alternate language.
	enumeration	No Chart Display	3: The name or text is not intended to be displayed.
Used by	Complex Type	nameUsageType	

Simple Type nameUsageCode

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Classification of the type and display level of the name of a feature in an end-user system.		
Diagram			<p>Classification of the type and display level of the name of a feature in an end-user system.</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 name is intended to be displayed when the end-user system is set to the default name/text display setting.
	enumeration	2	The name is intended to be displayed when the end-user system is set to an alternate name/text display setting, for example an alternate language.
	enumeration	3	The name or text is not intended to be displayed.
Used by	Attribute	nameUsageType/@code	

Simple Type featureName_nameUsageLabel

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Restricted values of featureName/nameUsage		
Diagram			<p>Restricted values of featureName/nameUsage</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	restriction of xs:string		
Facets	enumeration	Default Name Display	
	enumeration	Alternate Name Display	

	enumeration	No Chart Display
Used by	Complex Type	featureName_nameUsageType

Simple Type featureName_nameUsageCode

Namespace	http://www.aho.int/S131/2.0	
Annotations	Restricted values of featureName/nameUsage	
Diagram	<p>The diagram illustrates the derivation of the featureName_nameUsageCode type. It shows a rounded rectangle labeled "featureName_nameUsageCode" connected by a line with a hollow circle to another rounded rectangle labeled "xs:integer". A callout box under "featureName_nameUsageCode" points to "Restricted values of featureName/nameUsage". A callout box under "xs:integer" points to "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
Used by	Attribute	featureName_nameUsageType/@code

Simple Type nationalityType

Namespace	http://www.aho.int/S131/2.0	
Annotations	Identifier of membership of a particular nation.	
Diagram	<p>The diagram shows a rounded rectangle labeled "nationalityType" connected by a line with a hollow circle to another rounded rectangle labeled "xs:string". A callout box under "nationalityType" points to "Identifier of membership of a particular nation.". A callout box under "xs:string" points to "Built-in primitive type. The string datatype represents character strings in XML."</p>	
Type	xs:string	
Used by	Element	HarbourAreaAdministrativeType/nationality

Simple Type onlineFunctionLabel

Namespace	http://www.aho.int/S131/2.0	
Annotations	Code for function performed by the online resource.	
Diagram	<p>The diagram shows a rounded rectangle labeled "onlineFunctionLabel" connected by a line with a hollow circle to another rounded rectangle labeled "xs:string". A callout box under "onlineFunctionLabel" points to "Code for function performed by the online resource.". A callout box under "xs:string" points to "Built-in primitive type. The string datatype represents character strings in XML."</p>	
Type	restriction of xs:string	
Facets	enumeration	Download
	enumeration	Offline Access
	enumeration	Order
	enumeration	Search
	enumeration	Complete Metadata
	enumeration	Browse Graphic
	enumeration	Upload
	enumeration	Email Service
	enumeration	Browsing
	enumeration	File Access
Used by	Complex Type	onlineFunctionType

Simple Type onlineFunctionCode

Namespace	http://www.ih0.int/S131/2.0		
Annotations	Code for function performed by the online resource.		
Diagram	<p>The diagram shows a UML class named 'onlineFunctionCode' with a generalization relationship indicated by an arrow pointing to another class 'xs:integer'. A callout box below 'onlineFunctionCode' states 'Code for function performed by the online resource.' A callout box below 'xs:integer' states 'Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...'.</p>		
Type	restriction of xs:integer		
Facets	enumeration	1	Online instructions for transferring data from one storage device or system to another.
	enumeration	3	Online instructions for requesting the resource from the provider.
	enumeration	4	Online order process for obtaining the resource.
	enumeration	5	To make painstaking investigation or examination.
	enumeration	6	Complete metadata provided.
	enumeration	7	Browse graphic provided.
	enumeration	8	Online resource upload capability provided.
	enumeration	9	Online email service provided.
	enumeration	10	Online browsing provided.
	enumeration	11	Online file access provided.
Used by	Attribute	onlineFunctionType/@code	

Simple Type onlineResource_onlineFunctionLabel

Namespace	http://www.ih0.int/S131/2.0	
Annotations	Restricted values of onlineResource/onlineFunction	
Diagram	<p>The diagram shows a UML class named 'onlineResource_onlineFunctionLabel' with a generalization relationship indicated by an arrow pointing to another class 'xs:string'. A callout box below 'onlineResource_onlineFunctionLabel' states 'Restricted values of onlineResource/onlineFunction'. A callout box below 'xs:string' states 'Built-in primitive type. The string datatype represents character strings in XML.'</p>	
Type	restriction of xs:string	
Facets	enumeration	Download
	enumeration	Offline Access
	enumeration	Order
	enumeration	Search
	enumeration	Complete Metadata
	enumeration	Browse Graphic
	enumeration	Upload
	enumeration	Email Service
	enumeration	Browsing
	enumeration	File Access
Used by	Complex Type	onlineResource_onlineFunctionType

Simple Type onlineResource_onlineFunctionCode

Namespace	http://www.ih0.int/S131/2.0		
Annotations	Restricted values of onlineResource/onlineFunction		
Diagram	<p>The diagram shows a UML class named 'onlineResource_onlineFunctionCode' with a generalization relationship indicated by an arrow pointing to another class 'xs:integer'. A callout box below 'onlineResource_onlineFunctionCode' states 'Restricted values of onlineResource/onlineFunction'. A callout box below 'xs:integer' states 'Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...'.</p>		
Type	restriction of xs:integer		
Facets	enumeration	1	Online instructions for transferring data from one storage device or system to another.

	enumeration	3	Online instructions for requesting the resource from the provider.
	enumeration	4	Online order process for obtaining the resource.
	enumeration	5	To make painstaking investigation or examination.
	enumeration	6	Complete metadata provided.
	enumeration	7	Browse graphic provided.
	enumeration	8	Online resource upload capability provided.
	enumeration	9	Online email service provided.
	enumeration	10	Online browsing provided.
	enumeration	11	Online file access provided.
Used by	Attribute	onlineResource_onlineFunctionType/@code	

Simple Type onlineResourceDescriptionType

Namespace	http://www.aho.int/S131/2.0		
Annotations	Detailed text description of what the online resource is/does.		
Diagram	<p>Detailed text description of what the online resource is/does.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	xs:string		
Used by	Element	onlineResourceType/onlineResourceDescription	

Simple Type optimumDisplayScaleType

Namespace	http://www.aho.int/S131/2.0		
Annotations	The largest intended viewing scale for the data.		
Diagram	<p>The largest intended viewing scale for the data.</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>		
Type	restriction of xs:integer		
Facets	minInclusive	1	
Used by	Element	DataCoverageType/optimumDisplayScale	

Simple Type orientationUncertaintyType

Namespace	http://www.aho.int/S131/2.0		
Annotations	The best estimate of the accuracy of a bearing.		
Diagram	<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	maxExclusive	360.000	
	minInclusive	0.000	
Used by	Elements	QualityOfNonBathymetricDataType/orientationUncertainty, orientationType/orientationUncertainty	

Simple Type orientationValueType

Namespace	http://www.aho.int/S131/2.0		
Annotations	The angular distance measured from true north to the major axis of the feature.		
Diagram	<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	Element orientationType/orientationValue	

Simple Type pictorialRepresentationType

Namespace	http://www.ihc.int/S131/2.0	
Annotations	Indicates whether a pictorial representation of the feature is available.	
Diagram	<p>The diagram shows a UML class named 'pictorialRepresentationType' with a generalization arrow pointing to the 'xs:string' class. A callout box points to the 'pictorialRepresentationType' class with the text 'Indicates whether a pictorial representation of the feature is available.' 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 graphicType/pictorialRepresentation	

Simple Type pictureCaptionType

Namespace	http://www.ihc.int/S131/2.0	
Annotations	Short description of the purpose of the image.	
Diagram	<p>The diagram shows a UML class named 'pictureCaptionType' with a generalization arrow pointing to the 'xs:string' class. A callout box points to the 'pictureCaptionType' class with the text 'Short description of the purpose of the image.' 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 graphicType/pictureCaption	

Simple Type pictureInformationType

Namespace	http://www.ihc.int/S131/2.0	
Annotations	A set of information to provide credits to picture creator, copyright owner etc.	
Diagram	<p>The diagram shows a UML class named 'pictureInformationType' with a generalization arrow pointing to the 'xs:string' class. A callout box points to the 'pictureInformationType' class with the text 'A set of information to provide credits to picture creator, copyright owner etc.' 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 graphicType/pictureInformation	

Simple Type pilotMovementLabel

Namespace	http://www.ihc.int/S131/2.0	
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	<p>The diagram shows a UML class named 'pilotMovementLabel' with a generalization arrow pointing to the 'xs:string' class. A callout box points to the 'pilotMovementLabel' class with the text 'Classification of pilot activity by arrival, departure, or change of pilot. It may also describe the place where the...'. 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	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.
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	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	

Simple Type pilotMovementCode

Namespace	http://www.ihc.int/S131/2.0											
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	<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 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.
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											

Simple Type PilotBoardingPlace_pilotMovementLabel

Namespace	http://www.ihc.int/S131/2.0											
Annotations	Custom enum: PilotBoardingPlace/pilotMovement											
Diagram	<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>Embarkation</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Disembarkation</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Pilot Change</td> <td></td> </tr> </table>			enumeration	Embarkation		enumeration	Disembarkation		enumeration	Pilot Change	
enumeration	Embarkation											
enumeration	Disembarkation											
enumeration	Pilot Change											
Used by	Complex Type PilotBoardingPlace_pilotMovementType											

Simple Type PilotBoardingPlace_pilotMovementCode

Namespace	http://www.ihc.int/S131/2.0								
Annotations	Custom enum: PilotBoardingPlace/pilotMovement								
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	<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</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
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	PilotBoardingPlace_pilotMovementType/@code

Simple Type portFacilityNumberType

Namespace	http://www.ihc.int/S131/2.0	
Annotations	Number assigned to the port facility in the IMO port facility database.	
Diagram	<pre> graph LR portFacilityNumberType[portFacilityNumberType] --> xsString[xs:string] </pre> <p>Number assigned to the port facility in the IMO port facility database.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	xs:string	
Used by	Elements	BerthType/portFacilityNumber, TerminalType/portFacilityNumber

Simple Type postalCodeType

Namespace	http://www.ihc.int/S131/2.0	
Annotations	Known in various countries as a postcode, or ZIP code, the postal code is a series of letters and/or digits that identifies each postal delivery area.	
Diagram	<pre> graph LR postalCodeType[postalCodeType] --> xsString[xs:string] </pre> <p>Known in various countries as a postcode, or ZIP code, the postal code is a series of letters and/or digits that...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	xs:string	
Used by	Element	contactAddressType/postalCode

Simple Type productLabel

Namespace	http://www.ihc.int/S131/2.0	
Annotations	The various substances which are transported, stored or exploited.	
Diagram	<pre> graph LR productLabel[productLabel] --> xsString[xs:string] </pre> <p>The various substances which are transported, stored or exploited.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	restriction of xs:string	
Facets	enumeration	Oil
		1: A thick, slippery liquid that will not dissolve in water, usually petroleum based in the context of storage tanks.
	enumeration	Gas
		2: A substance with particles that can move freely, usually a fuel substance in the context of storage tanks.
	enumeration	Stone
		4: A general term for rock and rock fragments ranging in size from pebbles and gravel to boulders or large rock masses.
	enumeration	Coal
		5: A hard black mineral that is burned as fuel.
	enumeration	Ore
		6: A solid rock or mineral from which metal is obtained.
	enumeration	Chemicals
		7: Any substance obtained by or used in a chemical process.
	enumeration	Milk
		9: A white fluid secreted by female mammals as food for their young.
	enumeration	Bauxite
		10: A mineral from which aluminum is obtained.
	enumeration	Coke
		11: A solid substance obtained after gas and tar have been extracted from coal, used as a fuel.

enumeration	Iron Ingots	12: An oblong lump of cast iron metal.
enumeration	Salt	13: Sodium chloride obtained from mines or by the evaporation of sea water.
enumeration	Sand	14: Loose material consisting of small but easily distinguishable, separate grains, between 0.0625 and 2.000 millimetres in diameter.
enumeration	Timber	15: Wood prepared for use in building or carpentry.
enumeration	Sawdust/Wood Chips	16: Powdery fragments of wood made in sawing timber or coarse chips produced for use in manufacturing pressed board.
enumeration	Scrap Metal	17: Discarded metal suitable for being reprocessed.
enumeration	Liquefied Natural Gas	18: Natural gas that has been liquefied for ease of transport by cooling the gas to -162 Celsius.
enumeration	Liquefied Petroleum Gas	19: A compressed gas consisting of flammable light hydrocarbons and derived from petroleum.
enumeration	Wine	20: The fermented juice of grapes.
enumeration	Cement	21: A substance made of powdered lime and clay, mixed with water.
enumeration	Grain	22: A small hard seed, especially that of any cereal plant such as wheat, rice, corn, rye etc.
Used by	Complex Type	productType

Simple Type productCode

Namespace	http://www.oho.int/S131/2.0	
Annotations	The various substances which are transported, stored or exploited.	
Diagram	<p>The diagram shows a UML class named "productCode" with a generalization relationship indicated by a hollow arrow pointing to another class named "xs:integer". Below the classes, two callouts provide additional information: one states "The various substances which are transported, stored or exploited.", 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	enumeration	1
		A thick, slippery liquid that will not dissolve in water, usually petroleum based in the context of storage tanks.
	enumeration	2
		A substance with particles that can move freely, usually a fuel substance in the context of storage tanks.
	enumeration	4
		A general term for rock and rock fragments ranging in size from pebbles and gravel to boulders or large rock masses.
	enumeration	5
		A hard black mineral that is burned as fuel.
	enumeration	6
		A solid rock or mineral from which metal is obtained.
	enumeration	7
		Any substance obtained by or used in a chemical process.
	enumeration	9
		A white fluid secreted by female mammals as food for their young.
	enumeration	10
		A mineral from which aluminum is obtained.
	enumeration	11
		A solid substance obtained after gas and tar have been extracted from coal, used as a fuel.
	enumeration	12
		An oblong lump of cast iron metal.
	enumeration	13
		Sodium chloride obtained from mines or by the evaporation of sea water.
	enumeration	14
		Loose material consisting of small but easily distinguishable, separate grains, between 0.0625 and 2.000 millimetres in diameter.
	enumeration	15
		Wood prepared for use in building or carpentry.
	enumeration	16
		Powdery fragments of wood made in sawing timber or coarse chips produced for use in manufacturing pressed board.

	enumeration	17	Discarded metal suitable for being reprocessed.
	enumeration	18	Natural gas that has been liquefied for ease of transport by cooling the gas to -162 Celsius.
	enumeration	19	A compressed gas consisting of flammable light hydrocarbons and derived from petroleum.
	enumeration	20	The fermented juice of grapes.
	enumeration	21	A substance made of powdered lime and clay, mixed with water.
	enumeration	22	A small hard seed, especially that of any cereal plant such as wheat, rice, corn, rye etc.
Used by	Attribute	productType/@code	

Simple Type Terminal_productLabel

Namespace	http://www.aho.int/S131/2.0		
Annotations	Custom enum: Terminal/product		
Diagram	<p>Custom enum: Terminal/product</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	restriction of xs:string		
Facets	enumeration Oil enumeration Gas enumeration Stone enumeration Coal enumeration Ore enumeration Chemicals enumeration Milk enumeration Bauxite enumeration Coke enumeration Iron Ingots enumeration Salt enumeration Sand enumeration Timber enumeration Sawdust/Wood Chips enumeration Scrap Metal enumeration Liquefied Natural Gas enumeration Liquefied Petroleum Gas enumeration Wine enumeration Cement enumeration Grain		
Used by	Complex Type	Terminal_productType	

Simple Type Terminal_productCode

Namespace	http://www.aho.int/S131/2.0		
Annotations	Custom enum: Terminal/product		
Diagram	<p>Custom enum: Terminal/product</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 thick, slippery liquid that will not dissolve in water, usually petroleum based in the context of storage tanks.

enumeration	2	A substance with particles that can move freely, usually a fuel substance in the context of storage tanks.
enumeration	4	A general term for rock and rock fragments ranging in size from pebbles and gravel to boulders or large rock masses.
enumeration	5	A hard black mineral that is burned as fuel.
enumeration	6	A solid rock or mineral from which metal is obtained.
enumeration	7	Any substance obtained by or used in a chemical process.
enumeration	9	A white fluid secreted by female mammals as food for their young.
enumeration	10	A mineral from which aluminum is obtained.
enumeration	11	A solid substance obtained after gas and tar have been extracted from coal, used as a fuel.
enumeration	12	An oblong lump of cast iron metal.
enumeration	13	Sodium chloride obtained from mines or by the evaporation of sea water.
enumeration	14	Loose material consisting of small but easily distinguishable, separate grains, between 0.0625 and 2.000 millimetres in diameter.
enumeration	15	Wood prepared for use in building or carpentry.
enumeration	16	Powdery fragments of wood made in sawing timber or coarse chips produced for use in manufacturing pressed board.
enumeration	17	Discarded metal suitable for being reprocessed.
enumeration	18	Natural gas that has been liquefied for ease of transport by cooling the gas to -162 Celsius.
enumeration	19	A compressed gas consisting of flammable light hydrocarbons and derived from petroleum.
enumeration	20	The fermented juice of grapes.
enumeration	21	A substance made of powdered lime and clay, mixed with water.
enumeration	22	A small hard seed, especially that of any cereal plant such as wheat, rice, corn, rye etc.
Used by	Attribute	Terminal_productType/@code

Simple Type protocolType

Namespace	http://www.aho.int/S131/2.0
Annotations	Connection protocol to be used. Example: ftp, http get KVP, http POST, etc.
Diagram	<pre> classDiagram class protocolType { <<Connection protocol to be used. Example: ftp, http get KVP, http POST, etc.>> } class xs:string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } protocolType "1" -- "2" xs:string </pre> <p>Connection protocol to be used. Example: ftp, http get KVP, http POST, etc.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xs:string
Used by	Element onlineResourceType/protocol

Simple Type protocolRequestType

Namespace	http://www.aho.int/S131/2.0
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 class protocolRequestType { <<Request used to access the resource. Structure and content depend on the protocol and standard used by the online...>> } class xs:string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } protocolRequestType "1" -- "2" xs:string </pre> <p>Request used to access the resource. Structure and content depend on the protocol and standard used by the online...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xs:string

Used by	Element	onlineResourceType/protocolRequest
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Simple Type qualityOfHorizontalMeasurementLabel

Namespace	http://www.ihc.int/S131/2.0																																		
Annotations	The degree of reliability attributed to a position.																																		
Diagram	<pre> classDiagram class qualityOfHorizontalMeasurementLabel { <<The degree of reliability attributed to a position.>> } class xs:string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } qualityOfHorizontalMeasurementLabel "1" -- "0..1" xs:string </pre>																																		
Type	restriction of xs:string																																		
Facets	<table border="1"> <tr> <td>enumeration</td> <td>Surveyed</td> <td>1: The position(s) was(were) determined by the operation of making measurements for determining the relative position of points on, above or beneath the earth's surface. Survey implies a regular, controlled survey of any date.</td> </tr> <tr> <td>enumeration</td> <td>Unsurveyed</td> <td>2: Survey data is does not exist or is very poor.</td> </tr> <tr> <td>enumeration</td> <td>Inadequately Surveyed</td> <td>3: Not surveyed to modern standards; or due to its age, scale, or positional or vertical uncertainties is not suitable to the type of navigation expected in the area.</td> </tr> <tr> <td>enumeration</td> <td>Approximate</td> <td>4: A position that is considered to be less than third-order accuracy, but is generally considered to be within 30.5 metres of its correct geographic location. Also may apply to an object whose position does not remain fixed.</td> </tr> <tr> <td>enumeration</td> <td>Position Doubtful</td> <td>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.</td> </tr> <tr> <td>enumeration</td> <td>Unreliable</td> <td>6: A feature's position has been obtained from questionable or unreliable data.</td> </tr> <tr> <td>enumeration</td> <td>Reported (Not Surveyed)</td> <td>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.</td> </tr> <tr> <td>enumeration</td> <td>Reported (Not Confirmed)</td> <td>8: An object whose position has been reported and its position has not been confirmed.</td> </tr> <tr> <td>enumeration</td> <td>Estimated</td> <td>9: The most probable position of an object determined from incomplete data or data of questionable accuracy.</td> </tr> <tr> <td>enumeration</td> <td>Precisely Known</td> <td>10: A position that is of a known value, such as the position of an anchor berth or other defined object.</td> </tr> <tr> <td>enumeration</td> <td>Calculated</td> <td>11: A position that is computed from data.</td> </tr> </table>		enumeration	Surveyed	1: The position(s) was(were) determined by the operation of making measurements for determining the relative position of points on, above or beneath the earth's surface. Survey implies a regular, controlled survey of any date.	enumeration	Unsurveyed	2: Survey data is does not exist or is very poor.	enumeration	Inadequately Surveyed	3: Not surveyed to modern standards; or due to its age, scale, or positional or vertical uncertainties is not suitable to the type of navigation expected in the area.	enumeration	Approximate	4: A position that is considered to be less than third-order accuracy, but is generally 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.
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enumeration	Calculated	11: A position that is computed from data.																																	
Used by	Complex Type	qualityOfHorizontalMeasurementType																																	

Simple Type qualityOfHorizontalMeasurementCode

Namespace	http://www.ihc.int/S131/2.0										
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	<table border="1"> <tr> <td>enumeration</td> <td>1</td> <td>The position(s) was(were) determined by the operation of making measurements for determining the relative position of points on, above or beneath the earth's surface. Survey implies a regular, controlled survey of any date.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>Survey data is does not exist or is very poor.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>Not surveyed to modern standards; or due to its age, scale, or positional or vertical</td> </tr> </table>		enumeration	1	The position(s) was(were) determined by the operation of making measurements for determining the relative position of points on, above or beneath the earth's surface. Survey implies a regular, controlled survey of any date.	enumeration	2	Survey data is does not exist or is very poor.	enumeration	3	Not surveyed to modern standards; or due to its age, scale, or positional or vertical
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enumeration	3	Not surveyed to modern standards; or due to its age, scale, or positional or vertical									

		uncertainties is not suitable to the type of navigation expected in the area.
enumeration	4	A position that is considered to be less than third-order accuracy, but is generally considered to be within 30.5 metres of its correct geographic location. Also may apply to an object whose position does not remain fixed.
enumeration	5	Of uncertain position. The expression is used principally on charts to indicate that a wreck, shoal, etc., has been reported in various positions and not definitely determined in any.
enumeration	6	A feature's position has been obtained from questionable or unreliable data.
enumeration	7	An object whose position has been reported and its position confirmed by some means other than a formal survey such as an independent report of the same object.
enumeration	8	An object whose position has been reported and its position has not been confirmed.
enumeration	9	The most probable position of an object determined from incomplete data or data of questionable accuracy.
enumeration	10	A position that is of a known value, such as the position of an anchor berth or other defined object.
enumeration	11	A position that is computed from data.
Used by	Attribute	qualityOfHorizontalMeasurementType/@code

Simple Type **SpatialQuality_qualityOfHorizontalMeasurementLabel**

Namespace	http://www.ihc.int/S131/2.0																							
Annotations	Custom enum: SpatialQuality/qualityOfHorizontalMeasurement																							
Diagram	<pre> classDiagram class SpatialQuality_qualityOfHorizontalMeasurementLabel { <<Custom enum: SpatialQuality/qualityOfHorizontalMeasurement>> } class xs:string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } SpatialQuality_qualityOfHorizontalMeasurementLabel " --" xs:string </pre>																							
Type	restriction of xs:string																							
Facets	<table border="1"> <tr><td>enumeration</td><td>Surveyed</td></tr> <tr><td>enumeration</td><td>Unsurveyed</td></tr> <tr><td>enumeration</td><td>Inadequately Surveyed</td></tr> <tr><td>enumeration</td><td>Approximate</td></tr> <tr><td>enumeration</td><td>Position Doubtful</td></tr> <tr><td>enumeration</td><td>Unreliable</td></tr> <tr><td>enumeration</td><td>Reported (Not Surveyed)</td></tr> <tr><td>enumeration</td><td>Reported (Not Confirmed)</td></tr> <tr><td>enumeration</td><td>Estimated</td></tr> <tr><td>enumeration</td><td>Precisely Known</td></tr> <tr><td>enumeration</td><td>Calculated</td></tr> </table>		enumeration	Surveyed	enumeration	Unsurveyed	enumeration	Inadequately Surveyed	enumeration	Approximate	enumeration	Position Doubtful	enumeration	Unreliable	enumeration	Reported (Not Surveyed)	enumeration	Reported (Not Confirmed)	enumeration	Estimated	enumeration	Precisely Known	enumeration	Calculated
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enumeration	Precisely Known																							
enumeration	Calculated																							
Used by	Complex Type	SpatialQuality_qualityOfHorizontalMeasurementType																						

Simple Type **SpatialQuality_qualityOfHorizontalMeasurementCode**

Namespace	http://www.ihc.int/S131/2.0	
Annotations	Custom enum: SpatialQuality/qualityOfHorizontalMeasurement	
Diagram	<pre> classDiagram class SpatialQuality_qualityOfHorizontalMeasurementCode { <<Custom enum: SpatialQuality/qualityOfHorizontalMeasurement>> } class xs:integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } SpatialQuality_qualityOfHorizontalMeasurementCode " --" 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.
	enumeration	3	Not surveyed to modern standards; or due to its age, scale, or positional or vertical uncertainties is not suitable to the type of navigation expected in the area.
	enumeration	4	A position that is considered to be less than third-order accuracy, but is generally considered to be within 30.5 metres of its correct geographic location. Also may apply to an object whose position does not remain fixed.
	enumeration	5	Of uncertain position. The expression is used principally on charts to indicate that a wreck, shoal, etc., has been reported in various positions and not definitely determined in any.
	enumeration	6	A feature's position has been obtained from questionable or unreliable data.
	enumeration	7	An object whose position has been reported and its position confirmed by some means other than a formal survey such as an independent report of the same object.
	enumeration	8	An object whose position has been reported and its position has not been confirmed.
	enumeration	9	The most probable position of an object determined from incomplete data or data of questionable accuracy.
	enumeration	10	A position that is of a known value, such as the position of an anchor berth or other defined object.
	enumeration	11	A position that is computed from data.
Used by	Attribute	SpatialQuality_qualityOfHorizontalMeasurementType/@code	

Simple Type radiusType

Namespace	http://www.ihoint/S131/2.0	
Annotations	The vector extending from the centre to the periphery of a circular or spherical feature.	
Diagram	<p>The vector extending from the centre to the periphery of a circular or spherical feature.</p> <p>Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.</p>	
Type	restriction of xs:decimal	
Facets	minExclusive 0 .0	
Used by	Element AnchorBerthType/radius	

Simple Type rampNumberType

Namespace	http://www.ihoint/S131/2.0	
Annotations	An identifier for a specific ramp (a sloping structure that can be used as a landing place for small vessels, landing ships, or a ferry boat, or for hauling a cradle carrying a vessel, or for the transfer of rolling cargo).	
Diagram	<p>An identifier for a specific ramp (a sloping structure that can be used as a landing place for small vessels, landing...</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	xs:string	
Used by	Elements BerthPositionType/rampNumber, BerthType/rampNumber	

Simple Type repairServiceLabel

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Work or maintenance activities whereby vessels or equipment are restored to working order, renovated, or improved in condition.		
Diagram	<pre> graph LR repairServiceLabel[repairServiceLabel] --- xsString[xs:string] </pre> <p>The diagram shows a UML class named 'repairServiceLabel' connected by a line to a box labeled 'xs:string'. A callout box under 'repairServiceLabel' states: 'Work or maintenance activities whereby vessels or equipment are restored to working order, renovated, or improved in...'. 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	Compensation of Magnetic Compass	1: The process of neutralizing or reducing to a minimum the magnetic effects the vessel itself exerts on a magnetic compass. It is based on the principle that the magnetic effect of the iron and steel of the vessel can be counterbalanced by means of magnets and soft iron placed near the compass. Also called compass adjustment, compass compensation, or magnetic compensation.
	enumeration	Diver Service	2: Underwater inspection and repair performed by divers.
	enumeration	Bridge Equipment Repair	3: Repairs to equipment installed on the ship's bridge.
	enumeration	Engine Repair	4: Repair of an engine or machine parts.
	enumeration	Electronic Equipment Repair	5: Repair of marine electronic instruments.
	enumeration	Hull Repair	6: Repairs to the ship's body, frame, or superstructure.
	enumeration	Navigational Equipment Repair	7: Repairs to equipment used in the act of navigating a ship.
	enumeration	Propeller Repair	8: Repairs to propeller hub and blades.
	enumeration	Salvage Gear Repair	9: Repairs to equipment used in salvage operations.
	enumeration	Shaft Repair	10: Repairs to drive shafts used for transmitting mechanical power and torque to a propeller.
Used by	Complex Type	repairServiceType	

Simple Type repairServiceCode

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Work or maintenance activities whereby vessels or equipment are restored to working order, renovated, or improved in condition.		
Diagram	<pre> graph LR repairServiceCode[repairServiceCode] --- xsInteger[xs:integer] </pre> <p>The diagram shows a UML class named 'repairServiceCode' connected by a line to a box labeled 'xs:integer'. A callout box under 'repairServiceCode' states: 'Work or maintenance activities whereby vessels or equipment are restored to working order, renovated, or improved in...'. A callout box under 'xs:integer' states: 'Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...'</p>		
Type	restriction of xs:integer		
Facets	enumeration	1	The process of neutralizing or reducing to a minimum the magnetic effects the vessel itself exerts on a magnetic compass. It is based on the principle that the magnetic effect of the iron and steel of the vessel can be counterbalanced by means of magnets and soft iron placed near the compass. Also called compass adjustment, compass compensation, or magnetic compensation.
	enumeration	2	Underwater inspection and repair performed by divers.
	enumeration	3	Repairs to equipment installed on the ship's bridge.
	enumeration	4	Repair of an engine or machine parts.
	enumeration	5	Repair of marine electronic instruments.

	enumeration	6	Repairs to the ship's body, frame, or superstructure.
	enumeration	7	Repairs to equipment used in the act of navigating a ship.
	enumeration	8	Repairs to propeller hub and blades.
	enumeration	9	Repairs to equipment used in salvage operations.
	enumeration	10	Repairs to drive shafts used for transmitting mechanical power and torque to a propeller.
Used by	Attribute	repairServiceType/@code	

Simple Type AvailablePortServices_repairServiceLabel

Namespace	http://www.aho.int/S131/2.0																																
Annotations	Custom enum: AvailablePortServices/repairService																																
Diagram	<p>AvailablePortServices_repairServiceLabel is a custom enum derived from xs:string. It contains ten entries: Compensation of Magnetic Compass, Diver Service, Bridge Equipment Repair, Engine Repair, Electronic Equipment Repair, Hull Repair, Navigational Equipment Repair, Propeller Repair, Salvage Gear Repair, and Shaft Repair.</p>																																
Type	restriction of xs:string																																
Facets	<table> <tr> <td>enumeration</td> <td>Compensation of Magnetic Compass</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Diver Service</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Bridge Equipment Repair</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Engine Repair</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Electronic Equipment Repair</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Hull Repair</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Navigational Equipment Repair</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Propeller Repair</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Salvage Gear Repair</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Shaft Repair</td> <td></td> </tr> </table>			enumeration	Compensation of Magnetic Compass		enumeration	Diver Service		enumeration	Bridge Equipment Repair		enumeration	Engine Repair		enumeration	Electronic Equipment Repair		enumeration	Hull Repair		enumeration	Navigational Equipment Repair		enumeration	Propeller Repair		enumeration	Salvage Gear Repair		enumeration	Shaft Repair	
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enumeration	Salvage Gear Repair																																
enumeration	Shaft Repair																																
Used by	Complex Type	AvailablePortServices_repairServiceType																															

Simple Type AvailablePortServices_repairServiceCode

Namespace	http://www.aho.int/S131/2.0																				
Annotations	Custom enum: AvailablePortServices/repairService																				
Diagram	<p>AvailablePortServices_repairServiceCode is a custom enum derived from xs:integer. It contains six entries: 1 (Neutralizing magnetic effects), 2 (Underwater inspection and repair), 3 (Repairs to equipment installed on the ship's bridge), 4 (Repair of an engine or machine parts), 5 (Repair of marine electronic instruments), and 6 (Repairs to the ship's body, frame, or superstructure).</p>																				
Type	restriction of xs:integer																				
Facets	<table> <tr> <td>enumeration</td> <td>1</td> <td>The process of neutralizing or reducing to a minimum the magnetic effects the vessel itself exerts on a magnetic compass. It is based on the principle that the magnetic effect of the iron and steel of the vessel can be counterbalanced by means of magnets and soft iron placed near the compass. Also called compass adjustment, compass compensation, or magnetic compensation.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>Underwater inspection and repair performed by divers.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>Repairs to equipment installed on the ship's bridge.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>Repair of an engine or machine parts.</td> </tr> <tr> <td>enumeration</td> <td>5</td> <td>Repair of marine electronic instruments.</td> </tr> <tr> <td>enumeration</td> <td>6</td> <td>Repairs to the ship's body, frame, or superstructure.</td> </tr> </table>			enumeration	1	The process of neutralizing or reducing to a minimum the magnetic effects the vessel itself exerts on a magnetic compass. It is based on the principle that the magnetic effect of the iron and steel of the vessel can be counterbalanced by means of magnets and soft iron placed near the compass. Also called compass adjustment, compass compensation, or magnetic compensation.	enumeration	2	Underwater inspection and repair performed by divers.	enumeration	3	Repairs to equipment installed on the ship's bridge.	enumeration	4	Repair of an engine or machine parts.	enumeration	5	Repair of marine electronic instruments.	enumeration	6	Repairs to the ship's body, frame, or superstructure.
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enumeration	6	Repairs to the ship's body, frame, or superstructure.																			

	enumeration	7	Repairs to equipment used in the act of navigating a ship.
	enumeration	8	Repairs to propeller hub and blades.
	enumeration	9	Repairs to equipment used in salvage operations.
	enumeration	10	Repairs to drive shafts used for transmitting mechanical power and torque to a propeller.
Used by	Attribute		AvailablePortServices_repairServiceType/@code

Simple Type safeWorkingLoadType

Namespace	http://www.ihc.int/S131/2.0		
Annotations	The maximum safe force or load that a piece of equipment, device, or accessory can handle without breaking or failing under normal conditions.		
Diagram			
Type	restriction of xs:decimal		
Facets	minExclusive	0 . 0	
Used by	Elements	BerthType/safeWorkingLoad, BollardType/safeWorkingLoad, MooringWarpingFacilityType/safeWorkingLoad	

Simple Type scaleMinimumType

Namespace	http://www.ihc.int/S131/2.0		
Annotations	The minimum scale at which the feature may be used for example for ECDIS presentation.		
Diagram			
Type	xs:integer		
Used by	Element	TextPlacementType/scaleMinimum	

Simple Type shipSanitationControlLabel

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Application of measures to ensure that a vessel is free of disease and disease risks, or issue of completion or exemption certificates for such measures.		
Diagram			
Type	restriction of xs:string		
Facets	enumeration	Sanitation Measures Only	1: Capable of applying measures to ensure that a vessel is free of disease and disease risks, but cannot issue a certificate.
	enumeration	Issue SSCC	2: The competent authority can issue a Ship Sanitation Control Certificate after satisfactorily completing or supervising the completion of ship sanitation control measures.
	enumeration	Issue SSCEC	3: The competent authority may issue a Ship Sanitation Control Exemption Certificate if it is satisfied that the ship is free of infection and contamination, including vectors and reservoirs.
Used by	Complex Type	shipSanitationControlType	

Simple Type shipSanitationControlCode

Namespace	http://www.ihc.int/S131/2.0										
Annotations	Application of measures to ensure that a vessel is free of disease and disease risks, or issue of completion or exemption certificates for such measures.										
Diagram	<p>The diagram shows a UML class named 'shipSanitationControlCode' with a hollow diamond symbol indicating it is derived from another type. A line connects it to the built-in type 'xs:integer'. Below the class, there are two callouts: one pointing to the class with the text 'Application of measures to ensure that a vessel is free of disease and disease risks, or issue of completion or...', and another pointing 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>										
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Facets	<table> <tr> <td>enumeration</td> <td>1</td> <td>Capable of applying measures to ensure that a vessel is free of disease and disease risks, but cannot issue a certificate.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>The competent authority can issue a Ship Sanitation Control Certificate after satisfactorily completing or supervising the completion of ship sanitation control measures.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>The competent authority may issue a Ship Sanitation Control Exemption Certificate if it is satisfied that the ship is free of infection and contamination, including vectors and reservoirs.</td> </tr> </table>		enumeration	1	Capable of applying measures to ensure that a vessel is free of disease and disease risks, but cannot issue a certificate.	enumeration	2	The competent authority can issue a Ship Sanitation Control Certificate after satisfactorily completing or supervising the completion of ship sanitation control measures.	enumeration	3	The competent authority may issue a Ship Sanitation Control Exemption Certificate if it is satisfied that the ship is free of infection and contamination, including vectors and reservoirs.
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enumeration	3	The competent authority may issue a Ship Sanitation Control Exemption Certificate if it is satisfied that the ship is free of infection and contamination, including vectors and reservoirs.									
Used by	Attribute	shipSanitationControlType/@code									

Simple Type AvailablePortServices_shipSanitationControlLabel

Namespace	http://www.ihc.int/S131/2.0							
Annotations	Custom enum: AvailablePortServices/shipSanitationControl							
Diagram	<p>The diagram shows a UML class named 'AvailablePortServices_shipSanitationControlLabel' with a hollow diamond symbol indicating it is derived from another type. A line connects it to the built-in type 'xs:string'. Below the class, there are two callouts: one pointing to the class with the text 'Custom enum: AvailablePortServices/shipSanitationControl', and another pointing 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	<table> <tr> <td>enumeration</td> <td>Sanitation Measures Only</td> </tr> <tr> <td>enumeration</td> <td>Issue SSCC</td> </tr> <tr> <td>enumeration</td> <td>Issue SSCEC</td> </tr> </table>		enumeration	Sanitation Measures Only	enumeration	Issue SSCC	enumeration	Issue SSCEC
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enumeration	Issue SSCC							
enumeration	Issue SSCEC							
Used by	Complex Type	AvailablePortServices_shipSanitationControlType						

Simple Type AvailablePortServices_shipSanitationControlCode

Namespace	http://www.ihc.int/S131/2.0										
Annotations	Custom enum: AvailablePortServices/shipSanitationControl										
Diagram	<p>The diagram shows a UML class named 'AvailablePortServices_shipSanitationControlCode' with a hollow diamond symbol indicating it is derived from another type. A line connects it to the built-in type 'xs:integer'. Below the class, there are two callouts: one pointing to the class with the text 'Custom enum: AvailablePortServices/shipSanitationControl', and another pointing 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										
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enumeration	3	The competent authority may issue a Ship Sanitation Control Exemption Certificate if it is satisfied that the ship is free of infection and contamination, including vectors and reservoirs.									
Used by	Attribute	AvailablePortServices_shipSanitationControlType/@code									

Simple Type shorePowerDescriptionType

Namespace	http://www.oho.int/S131/2.0
Annotations	A textual description of precautions for shore power usage.
Diagram	<p>A textual description of precautions for shore power usage.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xs:string
Used by	Elements BerthType/shorePowerDescription, OnshorePowerFacilityType/shorePowerDescription

Simple Type shorePowerServiceProviderType

Namespace	http://www.oho.int/S131/2.0
Annotations	An entity that generates, sells, or is responsible for supplying shore power to vessels.
Diagram	<p>An entity that generates, sells, or is responsible for supplying shore power to vessels.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xs:string
Used by	Element OnshorePowerFacilityType/shorePowerServiceProvider

Simple Type sillDepthType

Namespace	http://www.oho.int/S131/2.0				
Annotations	The greatest depth over a sill.				
Diagram	<p>The greatest depth over a sill.</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>100.0</td> </tr> <tr> <td>minInclusive</td> <td>0.0</td> </tr> </table>	maxInclusive	100.0	minInclusive	0.0
maxInclusive	100.0				
minInclusive	0.0				
Used by	Elements DryDockType/sillDepth, FloatingDockType/sillDepth, GridironType/sillDepth, LockBasinPartType/sillDepth, LockBasinType/sillDepth				

Simple Type sMDGTerminalCodeType

Namespace	http://www.oho.int/S131/2.0
Annotations	A code from the SMDG (Ship Message Design Group) Terminal Code List.
Diagram	<p>A code from the SMDG (Ship Message Design Group) Terminal Code List.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xs:string
Used by	Element TerminalType/sMDGTerminalCode

Simple Type sourceType

Namespace	http://www.oho.int/S131/2.0
Annotations	The publication, document, or reference work from which information comes or is acquired.
Diagram	<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

Simple Type sourceDateType

Namespace	http://www.ihc.int/S131/2.0	
Annotations	The production date of the source; for example the date of measurement.	
Diagram	<pre> graph LR sourceDateType[sourceDateType] --> xsdate(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

Simple Type sourceTypeLabel

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Type of the source.		
Diagram	<pre> graph LR sourceTypeLabel[sourceTypeLabel] --> xsstring(xs:string) </pre> <p>Type of the source.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	restriction of xs:string		
Facets	enumeration	Law or Regulation	1: Treaty, convention, or international agreement; law or regulation issued by a national or other authority.
	enumeration	Official Publication	2: Publication not having the force of law, issued by an international organisation or a national or local administration.
	enumeration	Mariner Report, Confirmed	7: Reported by mariner(s) and confirmed by another source.
	enumeration	Mariner Report, Not Confirmed	8: Reported by mariner(s) but not confirmed.
	enumeration	Industry Publications and Reports	9: Shipping and other industry publications, including graphics, charts and web sites.
	enumeration	Remotely Sensed Images	10: Information obtained from satellite images.
	enumeration	Photographs	11: Information obtained from photographs.
	enumeration	Products Issued by HO Services	12: Information obtained from products issued by Hydrographic Offices.
	enumeration	News Media	13: Information obtained from news media.
	enumeration	Traffic Data	14: Information obtained from the analysis of traffic data.
Used by	Complex Type	sourceTypeType	

Simple Type sourceTypeCode

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Type of the source.		
Diagram	<pre> graph LR sourceTypeCode[sourceTypeCode] --> xsinteger(xs:integer) </pre> <p>Type of the source.</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>		
Type	restriction of xs:integer		
Facets	enumeration	1	Treaty, convention, or international agreement; law or regulation issued by a national or other authority.
	enumeration	2	Publication not having the force of law, issued by an international organisation or a national or local administration.
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	enumeration	10	Information obtained from satellite images.
	enumeration	11	Information obtained from photographs.
	enumeration	12	Information obtained from products issued by Hydrographic Offices.
	enumeration	13	Information obtained from news media.
	enumeration	14	Information obtained from the analysis of traffic data.
Used by	Attribute	sourceTypeType/@code	

Simple Type sourceIndication_sourceTypeLabel

Namespace	http://www.ihodata.org/S131/2.0																					
Annotations	Restricted values of sourceIndication/sourceType																					
Diagram	<pre> classDiagram class sourceIndication_sourceTypeLabel { <<xs:string>> } sourceIndication_sourceTypeLabel < -- xs:string xs:string < --> "Built-in primitive type. The string datatype represents character strings in XML." </pre>	<p>Restricted values of sourceIndication/sourceType</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>																				
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Used by	Complex Type	sourceIndication_sourceTypeType																				

Simple Type sourceIndication_sourceTypeCode

Namespace	http://www.ihodata.org/S131/2.0																						
Annotations	Restricted values of sourceIndication/sourceType																						
Diagram	<pre> classDiagram class sourceIndication_sourceTypeCode { <<xs:integer>> } sourceIndication_sourceTypeCode < -- xs:integer xs:integer < --> "Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This..." </pre>	<p>Restricted values of sourceIndication/sourceType</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>																					
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	enumeration	12	Information obtained from products issued by Hydrographic Offices.
	enumeration	13	Information obtained from news media.
	enumeration	14	Information obtained from the analysis of traffic data.
Used by	Attribute	sourceIndication_sourceTypeType/@code	

Simple Type supplyServiceLabel

Namespace	http://www.ihc.int/S131/2.0																																
Annotations	Classification of services for the provision of materials, goods, utilities, or personal services to vessels, passengers, or crew.																																
Diagram	<p>The diagram shows a UML class named 'supplyServiceLabel' with a hollow diamond symbol indicating it is derived from another type. A line connects 'supplyServiceLabel' to a box labeled 'xs:string', which is also a UML class. A callout box points to 'supplyServiceLabel' with the text: 'Classification of services for the provision of materials, goods, utilities, or personal services to vessels,...'. Another callout box points to 'xs:string' with the text: 'Built-in primitive type. The string datatype represents character strings in XML.'</p>																																
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Used by	Complex Type	supplyServiceType																															

Simple Type supplyServiceCode

Namespace	http://www.ihc.int/S131/2.0														
Annotations	Classification of services for the provision of materials, goods, utilities, or personal services to vessels, passengers, or crew.														
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	enumeration	6	Water which can be used for drinking and food preparation.
	enumeration	7	A universal hose connection for the supply of water for fighting fires.
	enumeration	8	A place where food and other such supplies are available.
	enumeration	9	A dealer in ships' supplies.
	enumeration	10	A place where mechanical repairs can be undertaken to engines or other vessel equipment.
Used by	Attribute	supplyServiceType/@code	

Simple Type AvailablePortServices_supplyServiceLabel

Namespace	http://www.ihoint/S131/2.0																																
Annotations	Custom enum: AvailablePortServices/supplyService																																
Diagram	<pre> classDiagram class AvailablePortServices_supplyServiceLabel { <<Custom enum: AvailablePortServices/supplyService>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } AvailablePortServices_supplyServiceLabel --o--> xs_string </pre>																																
Type	restriction of xs:string																																
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Used by	Complex Type	AvailablePortServices_supplyServiceType																															

Simple Type AvailablePortServices_supplyServiceCode

Namespace	http://www.ihoint/S131/2.0																							
Annotations	Custom enum: AvailablePortServices/supplyService																							
Diagram	<pre> classDiagram class AvailablePortServices_supplyServiceCode { <<Custom enum: AvailablePortServices/supplyService>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } AvailablePortServices_supplyServiceCode --o--> xs_integer </pre>																							
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	enumeration	8	A place where food and other such supplies are available.
	enumeration	9	A dealer in ships' supplies.
	enumeration	10	A place where mechanical repairs can be undertaken to engines or other vessel equipment.
Used by	Attribute AvailablePortServices_supplyServiceType/@code		

Simple Type technicalPortServiceLabel

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Services for the adjustment of vessel equipment or for assessments pertaining to cargo, compliance with regulations, safety, or security.		
Diagram	<p>technicalPortServiceLabel</p> <p>xs:string</p> <p>Services for the adjustment of vessel equipment or for assessments pertaining to cargo, compliance with regulations, safety, or security.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	restriction of xs:string		
Facets	enumeration	Compensation of Magnetic Compass	1: The process of neutralizing or reducing to a minimum the magnetic effects the vessel itself exerts on a magnetic compass. It is based on the principle that the magnetic effect of the iron and steel of the vessel can be counterbalanced by means of magnets and soft iron placed near the compass. Also called compass adjustment, compass compensation, or magnetic compensation.
	enumeration	Degaussing	2: Neutralization of the strength of the magnetic field of a vessel, by means of suitably arranged electric coils permanently installed in the vessel. See also Degaussing Cable.
	enumeration	Cargo Surveying	3: Inspection, evaluation or monitoring of the quantity, stowage, loading and unloading, and condition of cargo, and the effects of cargoes on vessel stability and safety.
	enumeration	Vetting	4: Assessment of quality and compliance with applicable law, regulations, and safety standards.
Used by	Complex Type	technicalPortServiceType	

Simple Type technicalPortServiceCode

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Services for the adjustment of vessel equipment or for assessments pertaining to cargo, compliance with regulations, safety, or security.		
Diagram	<p>technicalPortServiceCode</p> <p>xs:integer</p> <p>Services for the adjustment of vessel equipment or for assessments pertaining to cargo, compliance with regulations, safety, or security.</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>		
Type	restriction of xs:integer		
Facets	enumeration	1	The process of neutralizing or reducing to a minimum the magnetic effects the vessel itself exerts on a magnetic compass. It is based on the principle that the magnetic effect of the iron and steel of the vessel can be counterbalanced by means of magnets and soft iron placed near the compass. Also called compass adjustment, compass compensation, or magnetic compensation.
	enumeration	2	Neutralization of the strength of the magnetic field of a vessel, by means of suitably arranged electric coils permanently installed in the vessel. See also Degaussing Cable.
	enumeration	3	Inspection, evaluation or monitoring of the quantity, stowage, loading and unloading, and condition of cargo, and the effects of cargoes on vessel stability and safety.

	enumeration	4	Assessment of quality and compliance with applicable law, regulations, and safety standards.
Used by	Attribute	technicalPortServiceType/@code	

Simple Type AvailablePortServices_technicalPortServiceLabel

Namespace	http://www.ihc.int/S131/2.0										
Annotations	Custom enum: AvailablePortServices/technicalPortService										
Diagram	<p>The diagram shows a class named 'AvailablePortServices_technicalPortServiceLabel' connected to a primitive type 'xs:string'. A callout box for 'AvailablePortServices_technicalPortServiceLabel' states 'Custom enum: AvailablePortServices/technicalPortService'. A callout box for 'xs:string' states 'Built-in primitive type. The string datatype represents character strings in XML.'</p>										
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enumeration	Degaussing										
enumeration	Cargo Surveying										
enumeration	Vetting										
Used by	Complex Type AvailablePortServices_technicalPortServiceType										

Simple Type AvailablePortServices_technicalPortServiceCode

Namespace	http://www.ihc.int/S131/2.0														
Annotations	Custom enum: AvailablePortServices/technicalPortService														
Diagram	<p>The diagram shows a class named 'AvailablePortServices_technicalPortServiceCode' connected to a primitive type 'xs:integer'. A callout box for 'AvailablePortServices_technicalPortServiceCode' states 'Custom enum: AvailablePortServices/technicalPortService'. 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>														
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enumeration	4	Assessment of quality and compliance with applicable law, regulations, and safety standards.													
Used by	Attribute AvailablePortServices_technicalPortServiceType/@code														

Simple Type telecommunicationCarrierType

Namespace	http://www.ihc.int/S131/2.0		
Annotations	The name of a provider or type of carrier for a telecommunication service. This service may include land line based, shore based or satellite based radio connections.		
Diagram	<p>The diagram shows a class named 'telecommunicationCarrierType' connected to a primitive type 'xs:string'. A callout box for 'telecommunicationCarrierType' states 'The name of a provider or type of carrier for a telecommunication service. This service may include land line based....'. A callout box for 'xs:string' states 'Built-in primitive type. The string datatype represents character strings in XML.'</p>		
Type	xs:string		

Used by	Element	telecommunicationsType/telecommunicationCarrier
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Simple Type telecommunicationIdentifierType

Namespace	http://www.aho.int/S131/2.0
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	<pre> classDiagram class telecommunicationIdentifierType { <<An identifier, such as words, numbers, letters, symbols, or any combination of those used to establish a contact to a...>> } class xs:string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } telecommunicationIdentifierType < -- xs:string </pre>
Type	xs:string
Used by	Element telecommunicationsType/telecommunicationIdentifier

Simple Type telecommunicationServiceLabel

Namespace	http://www.aho.int/S131/2.0																								
Annotations	Classification of methods of communication over a distance by electrical, electronic, or electromagnetic means.																								
Diagram	<pre> classDiagram class telecommunicationServiceLabel { <<Classification of methods of communication over a distance by electrical, electronic, or electromagnetic means.>> } class xs:string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } telecommunicationServiceLabel < -- xs:string </pre>																								
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Used by	Complex Type telecommunicationServiceType																								

Simple Type telecommunicationServiceCode

Namespace	http://www.aho.int/S131/2.0
Annotations	Classification of methods of communication over a distance by electrical, electronic, or electromagnetic means.
Diagram	<pre> classDiagram class telecommunicationServiceCode { <<Classification of methods of communication over a distance by electrical, electronic, or electromagnetic means.>> } class xs:integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } telecommunicationServiceCode < -- xs:integer </pre>
Type	restriction of xs:integer

Facets	enumeration	1	The transfer or exchange of information by using sounds that are being made by mouth and throat when speaking.
	enumeration	2	A system of transmitting and reproducing graphic matter (as printing or still pictures) by means of signals sent over telephone lines.
	enumeration	3	Short Message Service is a form of text messaging communication on phones and mobile phones.
	enumeration	4	A representation of facts, concepts or instructions in a formalised manner suitable for communication, interpretation or processing.
	enumeration	5	Data that is constantly received by and presented to an end-user while being delivered by a provider.
	enumeration	6	A system of communication in which messages are sent over long distances by using a telephone system and are printed by using a special machine (called a teletypewriter).
	enumeration	7	An apparatus, system or process for communication at a distance by electric transmission over wire.
	enumeration	8	Messages and other data exchanged between individuals using computers in a network.
	Used by	Attribute	telecommunicationServiceType/@code

Simple Type telecommunications_telecommunicationServiceLabel

Namespace	http://www.aho.int/S131/2.0																	
Annotations	Restricted values of telecommunications/telecommunicationService																	
Diagram	<pre> classDiagram class telecommunications_telecommunicationServiceLabel { <<Restricted values of telecommunications/telecommunicationService>> } xs:string telecommunications_telecommunicationServiceLabel --> xs:string <<Built-in primitive type. The string datatype represents character strings in XML.>> </pre>																	
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Used by	Complex Type	telecommunications_telecommunicationServiceType																

Simple Type telecommunications_telecommunicationServiceCode

Namespace	http://www.aho.int/S131/2.0										
Annotations	Restricted values of telecommunications/telecommunicationService										
Diagram	<pre> classDiagram class telecommunications_telecommunicationServiceCode { <<Restricted values of telecommunications/telecommunicationService>> } xs:integer telecommunications_telecommunicationServiceCode --> 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	5	Data that is constantly received by and presented to an end-user while being delivered by a provider.
	enumeration	6	A system of communication in which messages are sent over long distances by using a telephone system and are printed by using a special machine (called a teletypewriter).
	enumeration	7	An apparatus, system or process for communication at a distance by electric transmission over wire.
	enumeration	8	Messages and other data exchanged between individuals using computers in a network.
Used by	Attribute	telecommunications_telecommunicationServiceType/@code	

Simple Type terminalIdentifierType

Namespace	http://www.oho.int/S131/2.0		
Annotations	The unique identifier for a given terminal.		
Diagram	<pre> classDiagram class terminalIdentifierType { <<The unique identifier for a given terminal.>> } class xs:string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } terminalIdentifierType < -- xs:string </pre>		
Type	xs:string		
Used by	Elements BerthType/terminalIdentifier, TerminalType/terminalIdentifier		

Simple Type textType

Namespace	http://www.oho.int/S131/2.0		
Annotations	A non-formatted digital text string.		
Diagram	<pre> classDiagram class textType { <<A non-formatted digital text string.>> } class xs:string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } textType < -- xs:string </pre>		
Type	xs:string		
Used by	Elements informationType/text, scheduleByDayOfWeekType/text		

Simple Type textOffsetBearingType

Namespace	http://www.oho.int/S131/2.0						
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> classDiagram class textOffsetBearingType { <<The angular distance measured from true north that text associated with a feature is positioned from the feature in an...>> } class xs:integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } textOffsetBearingType < -- xs:integer </pre>						
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 TextPlacementType/textOffsetBearing						

Simple Type textOffsetDistanceType

Namespace	http://www.oho.int/S131/2.0		
Annotations	The distance that text associated with a feature is positioned from the feature in an end-user system.		

Diagram	
Type	restriction of xs:integer
Facets	maxInclusive 50
	minExclusive 0
Used by	Element TextPlacementType/textOffsetDistance

Simple Type textRotationType

Namespace	http://www.ihc.int/S131/2.0
Annotations	A statement that expresses if text associated with a feature is to be rotated in the ECDIS display or not.
Diagram	
Type	xs:boolean
Used by	Element TextPlacementType/textRotation

Simple Type textTypeLabel

Namespace	http://www.ihc.int/S131/2.0
Annotations	The attribute from which a text string is derived.
Diagram	
Type	restriction of xs:string
Facets	enumeration Name 1: The individual name of a feature.
Used by	Complex Type textTypeType

Simple Type textTypeCode

Namespace	http://www.ihc.int/S131/2.0
Annotations	The attribute from which a text string is derived.
Diagram	
Type	restriction of xs:integer
Facets	enumeration 1 The individual name of a feature.
Used by	Attribute textTypeType/@code

Simple Type TextPlacement_textTypeLabel

Namespace	http://www.ihc.int/S131/2.0
Annotations	Custom enum: TextPlacement/textType
Diagram	
Type	restriction of xs:string

Facets	enumeration	Name
Used by	Complex Type	TextPlacement_textType

Simple Type TextPlacement_textTypeCode

Namespace	http://www.aho.int/S131/2.0	
Annotations	Custom enum: TextPlacement/textType	
Diagram	<pre> classDiagram class TextPlacement_textTypeCode class xs_integer TextPlacement_textTypeCode "0..1" -- "0..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
Used by	Attribute	TextPlacement_textType/@code

Simple Type thicknessOfIceCapabilityType

Namespace	http://www.aho.int/S131/2.0	
Annotations	The thickness of ice that the ship can safely transit.	
Diagram	<pre> classDiagram class thicknessOfIceCapabilityType class xs_integer thicknessOfIceCapabilityType "0..1" -- "0..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	

Simple Type timeOfDayEndType

Namespace	http://www.aho.int/S131/2.0	
Annotations	The time corresponding to the end of an active period.	
Diagram	<pre> classDiagram class timeOfDayEndType class xs_time timeOfDayEndType "0..1" -- "0..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	

Simple Type timeOfDayStartType

Namespace	http://www.aho.int/S131/2.0	
Annotations	The time corresponding to the start of an active period.	
Diagram	<pre> classDiagram class timeOfDayStartType class xs_time timeOfDayStartType "0..1" -- "0..1" xs_time </pre>	<p>The time corresponding to the start 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/timeOfDayStart	

Simple Type tugInformationType

Namespace	http://www.aho.int/S131/2.0	
Annotations	Textual description of the types and capacities of available tugs.	
Diagram	<pre> classDiagram class tugInformationType class xs_string tugInformationType "0..1" -- "0..1" xs_string </pre>	<p>Textual description of the types and capacities of available tugs.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>

Type	xs:string
Used by	Element AvailablePortServicesType/tugInformation

Simple Type uNLocationCodeType

Namespace	http://www.ihodata.org/S131/2.0
Annotations	Used to encode the UN Location Code (http://www.unece.org/cefact/locode/service/location.html) or - in Europe - the Inland Ship Reporting Standard (ISRS) Code.
Diagram	<pre> graph LR uNLocationCodeType[uNLocationCodeType] -- "restriction of" --> xsString[xs:string] </pre> <p>The diagram illustrates the relationship between the simple type <code>uNLocationCodeType</code> and the built-in primitive type <code>xs:string</code>. An arrow labeled "restriction of" points from <code>uNLocationCodeType</code> to <code>xs:string</code>. A callout box under <code>uNLocationCodeType</code> states: "Used to encode the UN Location Code (http://www.unece.org/cefact/locode/service/location.html) or - in Europe - the...". Another callout box under <code>xs:string</code> states: "Built-in primitive type. The string datatype represents character strings in XML.".</p>
Type	xs:string
Used by	Elements BerthType/uNLocationCode, HarbourAreaAdministrativeType/uNLocationCode, TerminalType/uNLocationCode

Simple Type uncertaintyFixedType

Namespace	http://www.ihodata.org/S131/2.0
Annotations	The best estimate of the fixed horizontal or vertical accuracy component for positions, depths, heights, vertical distances and vertical clearances.
Diagram	<pre> graph LR uncertaintyFixedType[uncertaintyFixedType] -- "restriction of" --> xsDecimal[xs:decimal] </pre> <p>The diagram illustrates the relationship between the simple type <code>uncertaintyFixedType</code> and the built-in primitive type <code>xs:decimal</code>. An arrow labeled "restriction of" points from <code>uncertaintyFixedType</code> to <code>xs:decimal</code>. A callout box under <code>uncertaintyFixedType</code> states: "The best estimate of the fixed horizontal or vertical accuracy component for positions, depths, heights, vertical...". Another callout box under <code>xs:decimal</code> states: "Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.".</p>
Type	xs:decimal
Used by	Elements horizontalPositionUncertaintyType/uncertaintyFixed, verticalUncertaintyType/uncertaintyFixed

Simple Type uncertaintyVariableFactorType

Namespace	http://www.ihodata.org/S131/2.0
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> graph LR uncertaintyVariableFactorType[uncertaintyVariableFactorType] -- "restriction of" --> xsDecimal[xs:decimal] </pre> <p>The diagram illustrates the relationship between the simple type <code>uncertaintyVariableFactorType</code> and the built-in primitive type <code>xs:decimal</code>. An arrow labeled "restriction of" points from <code>uncertaintyVariableFactorType</code> to <code>xs:decimal</code>. A callout box under <code>uncertaintyVariableFactorType</code> states: "The factor to be applied to the variable component of an uncertainty equation so as to provide the best estimate of the...". Another callout box under <code>xs:decimal</code> states: "Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.".</p>
Type	xs:decimal
Used by	Elements horizontalPositionUncertaintyType/uncertaintyVariableFactor, verticalUncertaintyType/uncertaintyVariableFactor

Simple Type verticalClearanceValueType

Namespace	http://www.ihodata.org/S131/2.0				
Annotations	The vertical clearance measured from the horizontal plane towards the feature overhead.				
Diagram	<pre> graph LR verticalClearanceValueType[verticalClearanceValueType] -- "restriction of" --> xsDecimal[xs:decimal] </pre> <p>The diagram illustrates the relationship between the simple type <code>verticalClearanceValueType</code> and the built-in primitive type <code>xs:decimal</code>. An arrow labeled "restriction of" points from <code>verticalClearanceValueType</code> to <code>xs:decimal</code>. A callout box under <code>verticalClearanceValueType</code> states: "The vertical clearance measured from the horizontal plane towards the feature overhead.". Another callout box under <code>xs:decimal</code> states: "Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.".</p>				
Type	restriction of xs:decimal				
Facets	<table border="1"> <tr> <td>maxInclusive</td> <td>100.0</td> </tr> <tr> <td>minInclusive</td> <td>0.1</td> </tr> </table>	maxInclusive	100.0	minInclusive	0.1
maxInclusive	100.0				
minInclusive	0.1				

Used by	Elements	DryDockType/verticalClearanceValue, GridironType/verticalClearanceValue, ShipLiftType/verticalClearanceValue
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Simple Type verticalDatumLabel

Namespace	http://www.ihc.int/S131/2.0																																																														
Annotations	The reference level used for expressing the vertical measurements of points on the earth's surface. Also called datum level, reference plane, levelling datum, datum for sounding reduction, datum for heights.																																																														
Diagram	<p>The diagram shows a UML class named 'verticalDatumLabel' with a multiplicity of 0..1. It has a directed association labeled 'xs:string' with a multiplicity of 0..1. A callout box under 'verticalDatumLabel' states: 'The reference level used for expressing the vertical measurements of points on the earth's surface. Also called datum...'. A callout box under 'xs:string' states: 'Built-in primitive type. The string datatype represents character strings in XML.'</p>																																																														
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Also called spring low water.</td> </tr> <tr> <td>enumeration</td> <td>Mean Lower Low Water Springs</td> <td>2: The average height of lower low water springs at a place.</td> </tr> <tr> <td>enumeration</td> <td>Mean Sea Level</td> <td>3: The average height of the surface of the sea at a tide station for all stages of the tide over a 19-year period, usually determined from hourly height readings measured from a fixed predetermined reference level.</td> </tr> <tr> <td>enumeration</td> <td>Lowest Low Water</td> <td>4: An arbitrary level conforming to the lowest tide observed at a place, or somewhat lower.</td> </tr> <tr> <td>enumeration</td> <td>Mean Low Water</td> <td>5: The average height of all low waters at a place over a 19-year period.</td> </tr> <tr> <td>enumeration</td> <td>Lowest Low Water Springs</td> <td>6: An arbitrary level conforming to the lowest water level observed at a place at spring tides during a period of time shorter than 19 years.</td> </tr> <tr> <td>enumeration</td> <td>Approximate Mean Low Water Springs</td> <td>7: An arbitrary level, usually within 0.3m from that of Mean Low Water Springs (MLWS).</td> </tr> <tr> <td>enumeration</td> <td>Indian Spring Low Water</td> <td>8: An arbitrary tidal datum approximating the level of the mean of the lower low water at spring tides. 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	enumeration	Mean Higher High Water	21: The average height of higher high waters at a place over a 19-year period.
	enumeration	Equinoctial Spring Low Water	22: The level of low water springs near the time of an equinox.
	enumeration	Lowest Astronomical Tide	23: The lowest tide level which can be predicted to occur under average meteorological conditions and under any combination of astronomical conditions.
	enumeration	Local Datum	24: An arbitrary datum defined by a local harbour authority, from which levels and tidal heights are measured by this authority.
	enumeration	International Great Lakes Datum 1985	25: A vertical reference system with its zero based on the mean water level at Rimouski/Pointe-au-Pere, Quebec, over the period 1970 to 1988.
	enumeration	Mean Water Level	26: The average of all hourly water levels over the available period of record.
	enumeration	Lower Low Water Large Tide	27: The average of the lowest low waters, one from each of 19 years of observations.
	enumeration	Higher High Water Large Tide	28: The average of the highest high waters, one from each of 19 years of observations.
	enumeration	Nearly Highest High Water	29: An arbitrary level approximating the highest water level observed at a place, usually equivalent to the high water springs.
	enumeration	Highest Astronomical Tide	30: The highest tidal level which can be predicted to occur under average meteorological conditions and under any combination of astronomical conditions.
	enumeration	Baltic Sea Chart Datum 2000	44: The datum refers to each Baltic country's realization of the European Vertical Reference System (EVRS) with land-uplift epoch 2000, which is connected to the Normaal Amsterdams Peil (NAP).
Used by	Complex Type	verticalDatumType	

Simple Type **verticalDatumCode**

Namespace	http://www.ihc.int/S131/2.0																							
Annotations	The reference level used for expressing the vertical measurements of points on the earth's surface. Also called datum level, reference plane, levelling datum, datum for sounding reduction, datum for heights.																							
Diagram	<pre> classDiagram class verticalDatumCode { <<The reference level used for expressing the vertical measurements of points on the earth's surface. Also called datum...>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } verticalDatumCode < -- xs_integer </pre>																							
Type	restriction of xs:integer																							
Facets	<table border="1"> <tr> <td>enumeration</td> <td>1</td> <td>The average height of the low waters of spring tides. This level is used as a tidal datum in some areas. Also called spring low water.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>The average height of lower low water springs at a place.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>The average height of the surface of the sea at a tide station for all stages of the tide over a 19-year period, usually determined from hourly height readings measured from a fixed predetermined reference level.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>An arbitrary level conforming to the lowest tide observed at a place, or some what lower.</td> </tr> <tr> <td>enumeration</td> <td>5</td> <td>The average height of all low waters at a place over a 19-year period.</td> </tr> <tr> <td>enumeration</td> <td>6</td> <td>An arbitrary level conforming to the lowest water level observed at a place at spring tides during a period of time shorter than 19 years.</td> </tr> <tr> <td>enumeration</td> <td>7</td> <td>An arbitrary level, usually within 0.3m from that of Mean Low Water Springs (MLWS).</td> </tr> </table>			enumeration	1	The average height of the low waters of spring tides. This level is used as a tidal datum in some areas. Also called spring low water.	enumeration	2	The average height of lower low water springs at a place.	enumeration	3	The average height of the surface of the sea at a tide station for all stages of the tide over a 19-year period, usually determined from hourly height readings measured from a fixed predetermined reference level.	enumeration	4	An arbitrary level conforming to the lowest tide observed at a place, or some what lower.	enumeration	5	The average height of all low waters at a place over a 19-year period.	enumeration	6	An arbitrary level conforming to the lowest water level observed at a place at spring tides during a period of time shorter than 19 years.	enumeration	7	An arbitrary level, usually within 0.3m from that of Mean Low Water Springs (MLWS).
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enumeration	22	The level of low water springs near the time of an equinox.
enumeration	23	The lowest tide level which can be predicted to occur under average meteorological conditions and under any combination of astronomical conditions.
enumeration	24	An arbitrary datum defined by a local harbour authority, from which levels and tidal heights are measured by this authority.
enumeration	25	A vertical reference system with its zero based on the mean water level at Rimouski/Pointe-au-Pere, Quebec, over the period 1970 to 1988.
enumeration	26	The average of all hourly water levels over the available period of record.
enumeration	27	The average of the lowest low waters, one from each of 19 years of observations.
enumeration	28	The average of the highest high waters, one from each of 19 years of observations.
enumeration	29	An arbitrary level approximating the highest water level observed at a place, usually equivalent to the high water springs.
enumeration	30	The highest tidal level which can be predicted to occur under average meteorological conditions and under any combination of astronomical conditions.
enumeration	44	The datum refers to each Baltic country's realization of the European Vertical Reference System (EVRS) with land-uplift epoch 2000, which is connected to the Normaal Amsterdams Peil (NAP).
Used by	Attribute	verticalDatumType/@code

Simple Type soundingDatum_verticalDatumLabel

Namespace	http://www.ihc.int/S131/2.0
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Annotations	Custom enum: SoundingDatum/verticalDatum																																															
Diagram		Custom enum: SoundingDatum/verticalDatum																																														
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Used by	Complex Type	SoundingDatum_verticalDatumType																																														

Simple Type SoundingDatum_verticalDatumCode

Namespace	http://www.ihodata.org/S131/2.0		
Annotations	Custom enum: SoundingDatum/verticalDatum		
Diagram		Custom enum: SoundingDatum/verticalDatum	Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...
Type	restriction of xs:integer		
Facets	enumeration	1	The average height of the low waters of spring tides. This level is used as a tidal datum in some areas. Also called spring low water.
	enumeration	2	The average height of lower low water springs at a place.

enumeration	3	The average height of the surface of the sea at a tide station for all stages of the tide over a 19-year period, usually determined from hourly height readings measured from a fixed predetermined reference level.
enumeration	4	An arbitrary level conforming to the lowest tide observed at a place, or some what lower.
enumeration	5	The average height of all low waters at a place over a 19-year period.
enumeration	6	An arbitrary level conforming to the lowest water level observed at a place at spring tides during a period of time shorter than 19 years.
enumeration	7	An arbitrary level, usually within 0.3m from that of Mean Low Water Springs (MLWS).
enumeration	8	An arbitrary tidal datum approximating the level of the mean of the lower low water at spring tides. It was first used in waters surrounding India.
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enumeration	22	The level of low water springs near the time of an equinox.
enumeration	23	The lowest tide level which can be predicted to occur under average meteorological conditions and under any combination of astronomical conditions.
enumeration	24	An arbitrary datum defined by a local harbour authority, from which levels and tidal heights are measured by this authority.
enumeration	25	A vertical reference system with its zero based on the mean water level at Rimouski/Pointe-au-Pere, Quebec, over the period 1970 to 1988.
enumeration	26	The average of all hourly water levels over the available period of record.
enumeration	27	The average of the lowest low waters, one from each of 19 years of observations.
enumeration	44	The datum refers to each Baltic country's realization of the European Vertical Reference System (EVRS) with land-uplift epoch 2000, which is connected to the Normaal Amsterdams Peil (NAP).
Used by	Attribute	SoundingDatum_verticalDatumType/@code

Simple Type `VerticalDatumOfData_verticalDatumLabel`

Namespace	http://www.ihc.int/S131/2.0
Annotations	Custom enum: VerticalDatumOfData/verticalDatum
Diagram	<pre> classDiagram class VerticalDatumOfData_verticalDatumLabel class xs_string VerticalDatumOfData_verticalDatumLabel "1" -- "1" xs_string </pre> <p>Custom enum: VerticalDatumOfData/verticalDatum</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>

Type	restriction of xs:string	
Facets	enumeration	Mean Sea Level
	enumeration	Low Water
	enumeration	Mean High Water
	enumeration	Mean High Water Springs
	enumeration	High Water
	enumeration	Approximate Mean Sea Level
	enumeration	High Water Springs
	enumeration	Mean Higher High Water
	enumeration	Local Datum
	enumeration	International Great Lakes Datum 1985
	enumeration	Mean Water Level
	enumeration	Higher High Water Large Tide
	enumeration	Nearly Highest High Water
	enumeration	Highest Astronomical Tide
	enumeration	Baltic Sea Chart Datum 2000
Used by	Complex Type	VerticalDatumOfData_verticalDatumType

Simple Type VerticalDatumOfData_verticalDatumCode

Namespace	http://www.ihc.int/S131/2.0																																		
Annotations	Custom enum: VerticalDatumOfData/verticalDatum																																		
Diagram	<pre> classDiagram class VerticalDatumOfData_verticalDatumCode { <<Custom enum: VerticalDatumOfData/verticalDatum>> } class xs_integer { <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> } VerticalDatumOfData_verticalDatumCode < -- xs_integer </pre>																																		
Type	restriction of xs:integer																																		
Facets	<table border="1"> <tr> <td>enumeration</td> <td>3</td> <td>The average height of the surface of the sea at a tide station for all stages of the tide over a 19-year period, usually determined from hourly height readings measured from a fixed predetermined reference level.</td> </tr> <tr> <td>enumeration</td> <td>13</td> <td>The lowest level reached at a place by the water surface in one oscillation. Also called low tide.</td> </tr> <tr> <td>enumeration</td> <td>16</td> <td>The average height of all high waters at a place over a 19-year period.</td> </tr> <tr> <td>enumeration</td> <td>17</td> <td>The average height of the high waters of spring tides. Also called spring high water.</td> </tr> <tr> <td>enumeration</td> <td>18</td> <td>The highest level reached at a place by the water surface in one oscillation.</td> </tr> <tr> <td>enumeration</td> <td>19</td> <td>An arbitrary level, usually within 0.3m from that of Mean Sea Level (MSL).</td> </tr> <tr> <td>enumeration</td> <td>20</td> <td>An arbitrary level, approximating that of mean high water springs (MHWS).</td> </tr> <tr> <td>enumeration</td> <td>21</td> <td>The average height of higher high waters at a place over a 19-year period.</td> </tr> <tr> <td>enumeration</td> <td>24</td> <td>An arbitrary datum defined by a local harbour authority, from which levels and tidal heights are measured by this authority.</td> </tr> <tr> <td>enumeration</td> <td>25</td> <td>A vertical reference system with its zero based on the mean water level at Rimouski/Pointe-aux-Pere, Quebec, over the period 1970 to 1988.</td> </tr> <tr> <td>enumeration</td> <td>26</td> <td>The average of all hourly water levels over the available period of record.</td> </tr> </table>		enumeration	3	The average height of the surface of the sea at a tide station for all stages of the tide over a 19-year period, usually determined from hourly height readings measured from a fixed predetermined reference level.	enumeration	13	The lowest level reached at a place by the water surface in one oscillation. Also called low tide.	enumeration	16	The average height of all high waters at a place over a 19-year period.	enumeration	17	The average height of the high waters of spring tides. Also called spring high water.	enumeration	18	The highest level reached at a place by the water surface in one oscillation.	enumeration	19	An arbitrary level, usually within 0.3m from that of Mean Sea Level (MSL).	enumeration	20	An arbitrary level, approximating that of mean high water springs (MHWS).	enumeration	21	The average height of higher high waters at a place over a 19-year period.	enumeration	24	An arbitrary datum defined by a local harbour authority, from which levels and tidal heights are measured by this authority.	enumeration	25	A vertical reference system with its zero based on the mean water level at Rimouski/Pointe-aux-Pere, Quebec, over the period 1970 to 1988.	enumeration	26	The average of all hourly water levels over the available period of record.
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	enumeration	28	The average of the highest high waters, one from each of 19 years of observations.
	enumeration	29	An arbitrary level approximating the highest water level observed at a place, usually equivalent to the high water springs.
	enumeration	30	The highest tidal level which can be predicted to occur under average meteorological conditions and under any combination of astronomical conditions.
	enumeration	44	The datum refers to each Baltic country's realization of the European Vertical Reference System (EVRS) with land-uplift epoch 2000, which is connected to the Normaal Amsterdams Peil (NAP).
Used by	Attribute		VerticalDatumOfData_verticalDatumType/@code

Simple Type verticalLengthType

Namespace	http://www.ihodata.org/S131/2.0	
Annotations	The total vertical length of a feature.	
Diagram	<p>The diagram shows a UML class named 'verticalLengthType' with a multiplicity of 0..1. It has a directed association labeled with a circle containing a minus sign to another node labeled 'xs:decimal'. Below the class, a callout box states: 'The total vertical length of a feature.' Below the association, another callout box states: 'Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.'</p>	
Type	restriction of xs:decimal	
Facets	minExclusive 0 .. 0	
Used by	Elements BollardType/verticalLength, MooringBuoyType/verticalLength	

Simple Type vesselPerformanceType

Namespace	http://www.ihodata.org/S131/2.0	
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	<p>The diagram shows a UML class named 'vesselPerformanceType' with a multiplicity of 0..1. It has a directed association labeled with a circle containing a minus sign to another node labeled 'xs:string'. Below the class, a callout box states: 'A description of the required handling characteristics of a vessel including hull design, main and auxiliary machinery,...'. Below the association, another callout box states: 'Built-in primitive type. The string datatype represents character strings in XML.'</p>	
Type	xs:string	
Used by	Element ApplicabilityType/vesselPerformance	

Simple Type vesselsCharacteristicsLabel

Namespace	http://www.ihodata.org/S131/2.0		
Annotations	Characteristics of vessels.		
Diagram	<p>The diagram shows a UML class named 'vesselsCharacteristicsLabel' with a multiplicity of 0..1. It has a directed association labeled with a circle containing a minus sign to another node labeled 'xs:string'. Below the class, a callout box states: 'Characteristics of vessels.'. Below the association, another callout box states: 'Built-in primitive type. The string datatype represents character strings in XML.'</p>		
Type	restriction of xs:string		
Facets	enumeration	Length Overall	1: The maximum length of the ship.
	enumeration	Length at Waterline	2: The ship's length measured at the waterline.
	enumeration	Breadth	3: The width or beam of the vessel.
	enumeration	Draught	4: The depth of water necessary to float a vessel fully loaded.
	enumeration	Displacement Tonnage	6: A measurement of the weight of the vessel, usually used for warships. (Merchant ships are usually measured based on the volume of cargo space; see tonnage). Displacement is expressed either in long tons of 2,240 pounds or metric

		tonnes of 1,000 kg. Since the two units are very close in size (2,240 pounds = 1,016 kg and 1,000 kg = 2,205 pounds), it is common not to distinguish between them. To preserve secrecy, nations sometimes misstate a warship's displacement.
enumeration	Displacement Tonnage, Light	7: The weight of the ship excluding cargo, fuel, ballast, stores, passengers, and crew, but with water in the boilers to steaming level.
enumeration	Displacement Tonnage, Loaded	8: The weight of the ship including cargo, passengers, fuel, water, stores, dunnage and such other items necessary for use on a voyage, which brings the vessel down to her load draft.
enumeration	Deadweight Tonnage	9: The difference between displacement, light and displacement, loaded. A measure of the ship's total carrying capacity.
enumeration	Gross Tonnage	10: The entire internal cubic capacity of the ship expressed in tons of 100 cubic feet to the ton, except certain spaces which are exempted such as: peak and other tanks for water ballast, open forecastle bridge and poop, access of hatchways, certain light and air spaces, domes of skylights, condenser, anchor gear, steering gear, wheel house, galley and cabin for passengers.
enumeration	Net Tonnage	11: Obtained from the gross tonnage by deducting crew and navigating spaces and allowances for propulsion machinery.
enumeration	Panama Canal/Universal Measurement System Net Tonnage	12: The Panama Canal/Universal Measurement System (PC/UMS) is based on net tonnage, modified for Panama Canal purposes. PC/UMS is based on a mathematical formula to calculate a vessel's total volume; a PC/UMS net ton is equivalent to 100 cubic feet of capacity.
enumeration	Suez Canal Net Tonnage	13: The Suez Canal Net Tonnage (SCNT) is derived with a number of modifications from the former net register tonnage of the Moorsom System and was established by the International Commission of Constantinople in its Protocol of 18 December 1873. It is still in use, as amended by the Rules of Navigation of the Suez Canal Authority, and is registered in the Suez Canal Tonnage Certificate.
Used by	Complex Type	vesselsCharacteristicsType

Simple Type vesselsCharacteristicsCode

Namespace	http://www.ihc.int/S131/2.0	
Annotations	Characteristics of vessels.	
Diagram		
Type	restriction of xs:integer	
Facets	enumeration	1 The maximum length of the ship.
	enumeration	2 The ship's length measured at the waterline.
	enumeration	3 The width or beam of the vessel.
	enumeration	4 The depth of water necessary to float a vessel fully loaded.
	enumeration	6 A measurement of the weight of the vessel, usually used for warships. (Merchant ships are usually measured based on the volume of cargo space; see tonnage). Displacement is expressed either in long tons of 2,240 pounds or metric tonnes of 1,000 kg. Since the two units are very close in size (2,240 pounds = 1,016 kg and 1,000 kg = 2,205 pounds), it is common not to distinguish between them. To preserve secrecy, nations sometimes misstate a warship's displacement.

enumeration	7	The weight of the ship excluding cargo, fuel, ballast, stores, passengers, and crew, but with water in the boilers to steaming level.
enumeration	8	The weight of the ship including cargo, passengers, fuel, water, stores, dunnage and such other items necessary for use on a voyage, which brings the vessel down to her load draft.
enumeration	9	The difference between displacement, light and displacement, loaded. A measure of the ship's total carrying capacity.
enumeration	10	The entire internal cubic capacity of the ship expressed in tons of 100 cubic feet to the ton, except certain spaces which are exempted such as: peak and other tanks for water ballast, open forecastle bridge and poop, access of hatchways, certain light and air spaces, domes of skylights, condenser, anchor gear, steering gear, wheel house, galley and cabin for passengers.
enumeration	11	Obtained from the gross tonnage by deducting crew and navigating spaces and allowances for propulsion machinery.
enumeration	12	The Panama Canal/Universal Measurement System (PC/UMS) is based on net tonnage, modified for Panama Canal purposes. PC/UMS is based on a mathematical formula to calculate a vessel's total volume; a PC/UMS net ton is equivalent to 100 cubic feet of capacity.
enumeration	13	The Suez Canal Net Tonnage (SCNT) is derived with a number of modifications from the former net register tonnage of the Moorsom System and was established by the International Commission of Constantinople in its Protocol of 18 December 1873. It is still in use, as amended by the Rules of Navigation of the Suez Canal Authority, and is registered in the Suez Canal Tonnage Certificate.
Used by	Attribute	vesselsCharacteristicsType/@code

Simple Type vesselMeasurementsSpecification_vesselsCharacteristicsLabel

Namespace	http://www.ihc.int/S131/2.0	
Annotations	Restricted values of vesselMeasurementsSpecification/vesselsCharacteristics	
Diagram	<p>A UML class diagram showing a class named "vesselMeasurementsSpecification_vesselsCharacteristicsLabel". An association line connects this class to another class named "xs:string". A callout box labeled "Restricted values of vesselMeasurementsSpecification/vesselsCharacteristics" points to the association line. 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	Length Overall
	enumeration	Length at Waterline
	enumeration	Breadth
	enumeration	Draught
	enumeration	Displacement Tonnage
	enumeration	Displacement Tonnage, Light
	enumeration	Displacement Tonnage, Loaded
	enumeration	Deadweight Tonnage
	enumeration	Gross Tonnage
	enumeration	Net Tonnage
	enumeration	Panama Canal/Universal Measurement System Net Tonnage
	enumeration	Suez Canal Net Tonnage

Used by	Complex Type	vesselMeasurementsSpecification_vesselsCharacteristicsType
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Simple Type vesselMeasurementsSpecification_vesselsCharacteristicsCode

Namespace	http://www.ihc.int/S131/2.0																																					
Annotations	Restricted values of vesselMeasurementsSpecification/vesselsCharacteristics																																					
Diagram	<p>The diagram shows a UML class named 'vesselMeasurementsSpecification_vesselsCharacteristicsCode' with a multiplicity of 0..1. It has a directed association to the 'xs:integer' class, also with a multiplicity of 0..1. A note below the association indicates: '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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Facets	<table border="1"> <tr> <td>enumeration</td> <td>1</td> <td>The maximum length of the ship.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>The ship's length measured at the waterline.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>The width or beam of the vessel.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>The depth of water necessary to float a vessel fully loaded.</td> </tr> <tr> <td>enumeration</td> <td>6</td> <td>A measurement of the weight of the vessel, usually used for warships. (Merchant ships are usually measured based on the volume of cargo space; see tonnage). Displacement is expressed either in long tons of 2,240 pounds or metric tonnes of 1,000 kg. Since the two units are very close in size (2,240 pounds = 1,016 kg and 1,000 kg = 2,205 pounds), it is common not to distinguish between them. 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PC/UMS is based on a mathematical formula to calculate a vessel's total volume; a PC/UMS net ton is equivalent to 100 cubic feet of capacity.</td> </tr> <tr> <td>enumeration</td> <td>13</td> <td>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.</td> </tr> </table>		enumeration	1	The maximum length of the ship.	enumeration	2	The ship's length measured at the waterline.	enumeration	3	The width or beam of the vessel.	enumeration	4	The depth of water necessary to float a vessel fully loaded.	enumeration	6	A measurement of the weight of the vessel, usually used for warships. (Merchant ships are usually measured based on the volume of cargo space; see tonnage). 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Used by	Attribute	vesselMeasurementsSpecification_vesselsCharacteristicsType/@code																																				

Simple Type vesselsCharacteristicsUnitLabel

Namespace	http://www.ihc.int/S131/2.0
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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 avoirdupois or Imperial system of measurements, as used in the United Kingdom and several other Commonwealth countries. It has been mostly replaced by the tonne, and in the United States by the short ton. One long ton is equal to 2,240 pounds (1,016 kg) or 35 cubic feet (0.9911 m) of salt water with a density of 64 lb/ft (1.025 g/ml). It has some limited use in the United States, most commonly in measuring the displacement of ships, and was the unit prescribed for warships by the Washington Naval Treaty for example battleships were limited to a mass of 35,000 long tons (36,000 t; 39,000 ST).
	enumeration	Short Ton	5: A unit of weight equal to 2,000 pounds (907.18474 kg). In the United States it is often called simply ton without distinguishing it from the metric ton (tonne, 1,000 kilograms) or the long ton (2,240 pounds / 1,016.046908 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).
	enumeration	Gross Ton	6: Gross tonnage (GT) is a function of the volume of all ship's enclosed spaces (from keel to funnel) measured to the outside of the hull framing. There is a sliding scale factor. So GT is a kind of capacity-derived index that is used to rank a ship for purposes of determining manning, safety and other statutory requirements and is expressed simply as GT, which is a unitless entity, even though its derivation is tied to the cubic meter unit of volumetric capacity. Tonnage measurements are now governed by an IMO Convention (International Convention on Tonnage Measurement of Ships, 1969 (London-Rules)), which applies to all ships built after July 1982. In accordance with the Convention, the correct term to use now is GT, which is a function of the moulded volume of all enclosed spaces of the ship.
	enumeration	Net Ton	7: Net tonnage (NT) is based on a calculation of the volume of all cargo spaces of the ship. It indicates a vessel's earning space and is

		a function of the moulded volume of all cargo spaces of the ship.
enumeration	Suez Canal Net Tonnage	9: The Suez Canal Net Tonnage (SCNT) is derived with a number of modifications from the former net register tonnage of the Moorsom System and was established by the International Commission of Constantinople in its Protocol of 18 December 1873. It is still in use, as amended by the Rules of Navigation of the Suez Canal Authority, and is registered in the Suez Canal Tonnage Certificate.
Used by	Complex Type	vesselsCharacteristicsUnitType

Simple Type vesselsCharacteristicsUnitCode

Namespace	http://www.ihc.int/S131/2.0	
Annotations	The unit used for vessel characteristics attribute.	
Diagram		
Type	restriction of xs:integer	
Facets	enumeration	1
		The basic unit of length in the International System of Units (SI) system.
	enumeration	3
		The tonne or metric ton (U.S.), often redundantly referred to as a metric tonne, is a unit of mass equal to 1,000 kg (2,205 lb) or approximately the mass of one cubic metre of water at four degrees Celsius. It is sometimes abbreviated as mt in the United States, but this conflicts with other SI symbols. The tonne is not a unit in the International System of Units (SI), but is accepted for use with the SI. In SI units and prefixes, the tonne is a megagram (Mg). The Imperial and US customary units comparable to the tonne are both spelled ton in English, though they differ in mass. Pronunciation of tonne (the word used in the UK) and ton is usually identical, but is not too confusing unless accuracy is important as the tonne and UK long ton differ by only 1.6.
	enumeration	4
		Long ton (weight ton or imperial ton) is the name for the unit called the "ton" in the avoirdupois or Imperial system of measurements, as used in the United Kingdom and several other Commonwealth countries. It has been mostly replaced by the tonne, and in the United States by the short ton. One long ton is equal to 2,240 pounds (1,016 kg) or 35 cubic feet (0.9911 m) of salt water with a density of 64 lb/ft (1.025 g/ml). It has some limited use in the United States, most commonly in measuring the displacement of ships, and was the unit prescribed for warships by the Washington Naval Treaty for example battleships were limited to a mass of 35,000 long tons (36,000 t; 39,000 ST).
	enumeration	5
		A unit of weight equal to 2,000 pounds (907.18474 kg). In the United States it is often called simply ton without distinguishing it from the metric ton (tonne, 1,000 kilograms) or the long ton (2,240 pounds / 1,016.0469088 kilograms); rather, the other two are specifically noted. There are, however, some US applications for which unspecified tons normally means long tons (for example, Navy ships) or metric tons (world grain production figures). Both the long and short ton are defined as 20 hundredweights, but a hundredweight is 100 pounds (45.359237 kg) in the US system (short or net hundredweight) and 112 pounds (50.80234544 kg) in the Imperial system (long or gross hundredweight).
	enumeration	6
		Gross tonnage (GT) is a function of the volume of all ship's enclosed spaces (from keel to funnel) measured to the outside of the hull

		<p>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	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	vesselsCharacteristicsUnitType/@code

Simple Type vesselMeasurementsSpecification_vesselsCharacteristicsUnitLabel

Namespace	http://www.ihc.int/S131/2.0															
Annotations	Restricted values of vesselMeasurementsSpecification/vesselsCharacteristicsUnit															
Diagram	<pre> classDiagram class vesselMeasurementsSpecification_vesselsCharacteristicsUnitLabel { <<Restricted values of vesselMeasurementsSpecification/vesselsCharacteristicsUnit>> } xs:string vesselMeasurementsSpecification_vesselsCharacteristicsUnitLabel "○" --> 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>Metres</td> </tr> <tr> <td>enumeration</td> <td>Metric Ton</td> </tr> <tr> <td>enumeration</td> <td>Ton</td> </tr> <tr> <td>enumeration</td> <td>Short Ton</td> </tr> <tr> <td>enumeration</td> <td>Gross Ton</td> </tr> <tr> <td>enumeration</td> <td>Net Ton</td> </tr> <tr> <td>enumeration</td> <td>Suez Canal Net Tonnage</td> </tr> </table>		enumeration	Metres	enumeration	Metric Ton	enumeration	Ton	enumeration	Short Ton	enumeration	Gross Ton	enumeration	Net Ton	enumeration	Suez Canal Net Tonnage
enumeration	Metres															
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enumeration	Short Ton															
enumeration	Gross Ton															
enumeration	Net Ton															
enumeration	Suez Canal Net Tonnage															
Used by	Complex Type	vesselMeasurementsSpecification_vesselsCharacteristicsUnitType														

Simple Type vesselMeasurementsSpecification_vesselsCharacteristicsUnitCode

Namespace	http://www.ihc.int/S131/2.0							
Annotations	Restricted values of vesselMeasurementsSpecification/vesselsCharacteristicsUnit							
Diagram	<pre> classDiagram class vesselMeasurementsSpecification_vesselsCharacteristicsUnitCode { <<Restricted values of vesselMeasurementsSpecification/vesselsCharacteristicsUnit>> } xs:integer vesselMeasurementsSpecification_vesselsCharacteristicsUnitCode "○" --> xs:integer <<Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...>> </pre>							
Type	restriction of xs:integer							
Facets	<table border="1"> <tr> <td>enumeration</td> <td>1</td> <td>The basic unit of length in the International System of Units (SI) system.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>The tonne or metric ton (U.S.), often redundantly referred to as a metric tonne, is a unit of mass equal to 1,000 kg (2,205 lb) or approximately the mass of one cubic metre of water at four degrees Celsius. It is sometimes abbreviated as mt in the United States, but this conflicts</td> </tr> </table>		enumeration	1	The basic unit of length in the International System of Units (SI) system.	enumeration	3	The tonne or metric ton (U.S.), often redundantly referred to as a metric tonne, is a unit of mass equal to 1,000 kg (2,205 lb) or approximately the mass of one cubic metre of water at four degrees Celsius. It is sometimes abbreviated as mt in the United States, but this conflicts
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		<p>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.</p>
enumeration	4	<p>Long ton (weight ton or imperial ton) is the name for the unit called the "ton" in the avoirdupois or Imperial system of measurements, as used in the United Kingdom and several other Commonwealth countries. It has been mostly replaced by the tonne, and in the United States by the short ton. One long ton is equal to 2,240 pounds (1,016 kg) or 35 cubic feet (0.9911 m) of salt water with a density of 64 lb/ft (1.025 g/ml). It has some limited use in the United States, most commonly in measuring the displacement of ships, and was the unit prescribed for warships by the Washington Naval Treaty for example battleships were limited to a mass of 35,000 long tons (36,000 t; 39,000 ST).</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>
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Used by	Attribute	vesselMeasurementsSpecification_vesselsCharacteristicsUnitType/@code

Simple Type vesselsCharacteristicsValueType

Namespace	http://www.ihc.int/S131/2.0
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Annotations	The value of a particular characteristic such as a dimension or tonnage of a vessel.
Diagram	<p>The value of a particular characteristic such as a dimension or tonnage of a vessel.</p> <p>Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.</p>
Type	xs:decimal
Used by	Element vesselMeasurementsSpecificationType/vesselsCharacteristicsValue

Simple Type visitorsMooringType

Namespace	http://www.ihc.int/S131/2.0
Annotations	A mooring set aside for the use of visiting vessels.
Diagram	<p>A mooring set aside for the use of visiting vessels.</p> <p>Built-in primitive type. It defines the boolean values true and false.</p>
Type	xs:boolean
Used by	Element MooringBuoyType/visitorsMooring

Simple Type wasteDisposalServiceLabel

Namespace	http://www.ihc.int/S131/2.0																														
Annotations	Service for the reception of residues, polluting substances, refuse, oily wastes, and by-products from ships.																														
Diagram	<p>Service for the reception of residues, polluting substances, refuse, oily wastes, and by-products from ships.</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>MARPOL Annex I Oily Bilge Water</td> <td>1: The service with facility to receive oil related waste/residue of the type "Oily bilge water" as specified in MARPOL Annex I.</td> </tr> <tr> <td>enumeration</td> <td>MARPOL Annex I Oily Residues</td> <td>2: The service with facility to receive oil related waste/residue of the type "Oily Residues (sludge)" as specified in MARPOL Annex I.</td> </tr> <tr> <td>enumeration</td> <td>MARPOL Annex I Oily Tank Washings</td> <td>3: The service with facility to receive oil related waste/residue of the type "Oily tank washings (slops)" as specified in MARPOL Annex I.</td> </tr> <tr> <td>enumeration</td> <td>MARPOL Annex I Dirty Ballast Water</td> <td>4: The service with facility to receive oil related waste/residue of the type "Dirty ballast water" as specified in MARPOL Annex I.</td> </tr> <tr> <td>enumeration</td> <td>MARPOL Annex I Scale and Sludge from Tank Cleaning</td> <td>5: The service with facility to receive oil related waste/residue of the type "Scale and sludge from tank cleaning" as specified in MARPOL Annex I.</td> </tr> <tr> <td>enumeration</td> <td>MARPOL Annex I Other Oily Waste</td> <td>6: The service with facility to receive oil related waste/residue of the type "Other" as specified in MARPOL Annex I.</td> </tr> <tr> <td>enumeration</td> <td>MARPOL Annex II Category X</td> <td>7: The service with facility to receive chemical/Noxious liquid substances related waste/residue of the type "Category X" as specified in MARPOL Annex II.</td> </tr> <tr> <td>enumeration</td> <td>MARPOL Annex II Category Y</td> <td>8: The service with facility to receive chemical/Noxious liquid substances related waste/residue of the type "Category Y" as specified in MARPOL Annex II.</td> </tr> <tr> <td>enumeration</td> <td>MARPOL Annex II Category Z</td> <td>9: The service with facility to receive chemical/Noxious liquid substances related waste/residue of the type "Category Z" as specified in MARPOL Annex II.</td> </tr> <tr> <td>enumeration</td> <td>MARPOL Annex II Category OS</td> <td>10: The service with facility to receive chemical/Noxious liquid substances related waste/residue of the type "Other substance" as specified in MARPOL Annex II.</td> </tr> </table>	enumeration	MARPOL Annex I Oily Bilge Water	1: The service with facility to receive oil related waste/residue of the type "Oily bilge water" as specified in MARPOL Annex I.	enumeration	MARPOL Annex I Oily Residues	2: The service with facility to receive oil related waste/residue of the type "Oily Residues (sludge)" as specified in MARPOL Annex I.	enumeration	MARPOL Annex I Oily Tank Washings	3: The service with facility to receive oil related waste/residue of the type "Oily tank washings (slops)" as specified in MARPOL Annex I.	enumeration	MARPOL Annex I Dirty Ballast Water	4: The service with facility to receive oil related waste/residue of the type "Dirty ballast water" as specified in MARPOL Annex I.	enumeration	MARPOL Annex I Scale and Sludge from Tank Cleaning	5: The service with facility to receive oil related waste/residue of the type "Scale and sludge from tank cleaning" as specified in MARPOL Annex I.	enumeration	MARPOL Annex I Other Oily Waste	6: The service with facility to receive oil related waste/residue of the type "Other" as specified in MARPOL Annex I.	enumeration	MARPOL Annex II Category X	7: The service with facility to receive chemical/Noxious liquid substances related waste/residue of the type "Category X" as specified in MARPOL Annex II.	enumeration	MARPOL Annex II Category Y	8: The service with facility to receive chemical/Noxious liquid substances related waste/residue of the type "Category Y" as specified in MARPOL Annex II.	enumeration	MARPOL Annex II Category Z	9: The service with facility to receive chemical/Noxious liquid substances related waste/residue of the type "Category Z" as specified in MARPOL Annex II.	enumeration	MARPOL Annex II Category OS	10: The service with facility to receive chemical/Noxious liquid substances related waste/residue of the type "Other substance" as specified in MARPOL Annex II.
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	enumeration	MARPOL Annex IV Sewage	11: The service with facility to receive waste/residue of the type "Sewage" as specified in MARPOL Annex IV.
	enumeration	MARPOL Annex V Plastics	12: The service with facility to receive garbage related waste/residue of the type "Plastics", as specified in MARPOL Annex V
	enumeration	MARPOL Annex V Food Wastes	13: The service with facility to receive garbage related waste/residue of the type "Food wastes", as specified in MARPOL Annex V
	enumeration	MARPOL Annex V Domestic Wastes	14: The service with facility to receive garbage related waste/residue of the type "Domestic wastes", as specified in MARPOL Annex V
	enumeration	MARPOL Annex V Cooking Oil	15: The service with facility to receive garbage related waste/residue of the type "Cooking oil", as specified in MARPOL Annex V
	enumeration	MARPOL Annex V Incinerator Ashes	16: The service with facility to receive garbage related waste/residue of the type "Incinerator ashes", as specified in MARPOL Annex V
	enumeration	MARPOL Annex V Operational Wastes	17: The service with facility to receive garbage related waste/residue of the type "Operational wastes", as specified in MARPOL Annex V
	enumeration	MARPOL Annex V Animal Carcasses	18: The service with facility to receive garbage related waste/residue of the type "Animal carcasses", as specified in MARPOL Annex V
	enumeration	MARPOL Annex V Fishing Gear	19: The service with facility to receive garbage related waste/residue of the type "Fishing gear", as specified in MARPOL Annex V
	enumeration	MARPOL Annex V E-Waste	20: The service with facility to receive garbage related waste/residue of the type "E-waste", as specified in MARPOL Annex V
	enumeration	MARPOL Annex V Cargo Residues - non-HME	21: The service with facility to receive garbage related waste/residue of the type "Cargo residues not determined to be harmful to the marine environment", as specified in MARPOL Annex V
	enumeration	MARPOL Annex V Cargo Residues - HME	22: The service with facility to receive garbage related waste/residue of the type "Cargo residues harmful to the marine environment", as specified in MARPOL Annex V
	enumeration	MARPOL Annex VI Ozone-Depleting Substances	23: The service with facility to receive air pollution related waste/residue of the type "Ozone-depleting substances" as specified in MARPOL Annex VI.
	enumeration	MARPOL Annex VI Exhaust Gas-Cleaning Residues	24: The service with facility to receive air pollution related waste/residue of the type "Exhaust gas-cleaning residues" as specified in MARPOL Annex VI.
Used by	Complex Type	wasteDisposalServiceType	

Simple Type wasteDisposalServiceCode

Namespace	http://www.oho.int/S131/2.0		
Annotations	Service for the reception of residues, polluting substances, refuse, oily wastes, and by-products from ships.		
Diagram	<p>The diagram shows a UML class named 'wasteDisposalServiceCode' with a generalization arrow pointing to the 'xs:integer' class. A callout box below the class definition states: 'Service for the reception of residues, polluting substances, refuse, oily wastes, and by-products from ships.' Another callout box below the inheritance arrow states: 'Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...'.</p>		
Type	restriction of xs:integer		
Facets	enumeration	1	The service with facility to receive oil related waste/residue of the type "Oily bilge water" as specified in MARPOL Annex I.
	enumeration	2	The service with facility to receive oil related waste/residue of the type "Oily Residues (sludge)" as specified in MARPOL Annex I.
	enumeration	3	The service with facility to receive oil related waste/residue of the type "Oily tank washings (slops)" as specified in MARPOL Annex I.

enumeration	4	The service with facility to receive oil related waste/residue of the type "Dirty ballast water" as specified in MARPOL Annex I.
enumeration	5	The service with facility to receive oil related waste/residue of the type "Scale and sludge from tank cleaning" as specified in MARPOL Annex I.
enumeration	6	The service with facility to receive oil related waste/residue of the type "Other" as specified in MARPOL Annex I.
enumeration	7	The service with facility to receive chemical/Noxious liquid substances related waste/residue of the type "Category X" as specified in MARPOL Annex II.
enumeration	8	The service with facility to receive chemical/Noxious liquid substances related waste/residue of the type "Category Y" as specified in MARPOL Annex II.
enumeration	9	The service with facility to receive chemical/Noxious liquid substances related waste/residue of the type "Category Z" as specified in MARPOL Annex II.
enumeration	10	The service with facility to receive chemical/Noxious liquid substances related waste/residue of the type "Other substance" as specified in MARPOL Annex II.
enumeration	11	The service with facility to receive waste/residue of the type "Sewage" as specified in MARPOL Annex IV.
enumeration	12	The service with facility to receive garbage related waste/residue of the type "Plastics", as specified in MARPOL Annex V
enumeration	13	The service with facility to receive garbage related waste/residue of the type "Food wastes", as specified in MARPOL Annex V
enumeration	14	The service with facility to receive garbage related waste/residue of the type "Domestic wastes", as specified in MARPOL Annex V
enumeration	15	The service with facility to receive garbage related waste/residue of the type "Cooking oil", as specified in MARPOL Annex V
enumeration	16	The service with facility to receive garbage related waste/residue of the type "Incinerator ashes", as specified in MARPOL Annex V
enumeration	17	The service with facility to receive garbage related waste/residue of the type "Operational wastes", as specified in MARPOL Annex V
enumeration	18	The service with facility to receive garbage related waste/residue of the type "Animal carcasses", as specified in MARPOL Annex V
enumeration	19	The service with facility to receive garbage related waste/residue of the type "Fishing gear", as specified in MARPOL Annex V
enumeration	20	The service with facility to receive garbage related waste/residue of the type "E-waste", as specified in MARPOL Annex V
enumeration	21	The service with facility to receive garbage related waste/residue of the type "Cargo residues not determined to be harmful to the marine environment", as specified in MARPOL Annex V
enumeration	22	The service with facility to receive garbage related waste/residue of the type "Cargo residues harmful to the marine environment", as specified in MARPOL Annex V
enumeration	23	The service with facility to receive air pollution related waste/residue of the type "Ozone-depleting substances" as specified in MARPOL Annex VI.
enumeration	24	The service with facility to receive air pollution related waste/residue of the type

		"Exhaust gas-cleaning residues" as specified in MARPOL Annex VI.
Used by	Attribute	wasteDisposalServiceType/@code

Simple Type AvailablePortServices_wasteDisposalServiceLabel

Namespace	http://www.ihc.int/S131/2.0																																																	
Annotations	Custom enum: AvailablePortServices/wasteDisposalService																																																	
Diagram	<pre> classDiagram class AvailablePortServices_wasteDisposalServiceLabel { <<Custom enum: AvailablePortServices/wasteDisposalService>> } class xsString { <<Built-in primitive type. The string datatype represents character strings in XML.>> } AvailablePortServices_wasteDisposalServiceLabel < -- xsString </pre>																																																	
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Used by	Complex Type	AvailablePortServices_wasteDisposalServiceType
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Simple Type AvailablePortServices_wasteDisposalServiceCode

Namespace	http://www.ihc.int/S131/2.0																																																				
Annotations	Custom enum: AvailablePortServices/wasteDisposalService																																																				
Diagram	<p>The diagram shows a class named 'AvailablePortServices_wasteDisposalServiceCode' with a multiplicity of 0..1. It has a directed association to another class named 'xs:integer' with a multiplicity of 0..1. A note below 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>																																																				
Type	restriction of xs:integer																																																				
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enumeration	19	The service with facility to receive garbage related waste/residue of the type "Fishing gear", as specified in MARPOL Annex V
enumeration	20	The service with facility to receive garbage related waste/residue of the type "E-waste", as specified in MARPOL Annex V
enumeration	21	The service with facility to receive garbage related waste/residue of the type "Cargo residues not determined to be harmful to the marine environment", as specified in MARPOL Annex V
enumeration	22	The service with facility to receive garbage related waste/residue of the type "Cargo residues harmful to the marine environment", as specified in MARPOL Annex V
enumeration	23	The service with facility to receive air pollution related waste/residue of the type "Ozone-depleting substances" as specified in MARPOL Annex VI.
enumeration	24	The service with facility to receive air pollution related waste/residue of the type "Exhaust gas-cleaning residues" as specified in MARPOL Annex VI.
Used by	Attribute	AvailablePortServices_wasteDisposalServiceType/@code

Simple Type actionOrActivityLabel_Union

Namespace	http://www.oho.int/S131/2.0
Annotations	Union type for labels corresponding to extra codelist values.
Diagram	<pre> graph LR A[actionOrActivityLabel_Union] --> B[actionOrActivityLabel] A --> C[extraLabelType] B --- D["The action or activity of a vessel"] 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(actionOrActivityLabel, extraLabelType)
Used by	Complex Type actionOrActivityType

Simple Type actionOrActivityCode

Namespace	http://www.oho.int/S131/2.0																								
Annotations	The action or activity of a vessel.																								
Diagram	<pre> graph LR A[actionOrActivityCode] --> B[xs:integer] A --- C["The action or activity of a vessel."] 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																								
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enumeration	9	Navigating a vessel past another traveling broadly in the same direction.
enumeration	10	Providing details such as the name, location or intentions of a vessel.
enumeration	11	Loading or unloading cargo.
enumeration	12	Placing crew or passengers on shore.
enumeration	13	A signal or message warning of diving activity.
enumeration	14	Hunting or catching fish.
enumeration	15	Releasing anything into the sea; often ballast water; or spoil from dredging elsewhere.
enumeration	16	Navigating a vessel past another travelling broadly in the opposite direction.
enumeration	17	Discharge and uptake of ballast water.
enumeration	18	The removal or treatment of biofouling (accumulation of aquatic organisms including microfouling and macrofouling) from a ship's submerged surfaces, including hull and niche areas, conducted either in-water or during dry docking. The process includes both proactive cleaning (periodic removal of microfouling) and reactive cleaning (removal of micro- and macrofouling as corrective action).
enumeration	19	The conduct of observational, sampling, or experimental activities by authorised personnel to collect scientific or environmental data, which may involve the deployment of scientific instruments, collection of biological or geological samples, or in-water survey operations.
enumeration	20	Organised recreational visitation and leisure activities in marine areas, including sightseeing, wildlife observation, glass-bottom vessel tours, and guided nature excursions conducted by commercial or permitted operators.
enumeration	21	Structured activities conducted for training, awareness, or interpretive purposes involving groups or individuals learning about the marine environment, including guided educational programs, school activities, and field instruction conducted within designated marine areas.
enumeration	22	Inspection, repair, or upkeep of existing marine or coastal infrastructure such as wharves, piers, pipelines, moorings, subsea cables, navigational aids, or coastal protection structures, including minor works that do not expand the original footprint.
Used by	Attribute	actionOrActivityType/@code

Simple Type `actionOrActivityLabel`

Namespace	http://www.ihc.int/S131/2.0		
Annotations	The action or activity of a vessel.		
Diagram			
Type	restriction of xs:string		
Facets	enumeration	Navigating With a Pilot	1: Carrying a qualified pilot as part of the vessel navigation team.
	enumeration	Entering Port	2: Navigating a vessel into a port.
	enumeration	Leaving Port	3: Navigating a vessel out of a port.
	enumeration	Berthing	4: Attaching a vessel to a wharf or jetty.
	enumeration	Slipping	5: Detaching a vessel from a wharf or jetty.
	enumeration	Anchoring	6: Attaching a vessel to the seabed by means of an anchor and cable.

enumeration	Weighing Anchor	7: Detaching a vessel from the seabed by recovering an anchor and cable.
enumeration	Transiting	8: Navigating a vessel along a route or through a narrow gap, such as under a bridge or through a lock.
enumeration	Overtaking	9: Navigating a vessel past another traveling broadly in the same direction.
enumeration	Reporting	10: Providing details such as the name, location or intentions of a vessel.
enumeration	Working Cargo	11: Loading or unloading cargo.
enumeration	Landing	12: Placing crew or passengers on shore.
enumeration	Diving	13: A signal or message warning of diving activity.
enumeration	Fishing	14: Hunting or catching fish.
enumeration	Discharging Overboard	15: Releasing anything into the sea; often ballast water; or spoil from dredging elsewhere.
enumeration	Passing	16: Navigating a vessel past another travelling broadly in the opposite direction.
enumeration	Ballast Water Exchange	17: Discharge and uptake of ballast water.
enumeration	Hull Cleaning	18: The removal or treatment of biofouling (accumulation of aquatic organisms including microfouling and macrofouling) from a ship's submerged surfaces, including hull and niche areas, conducted either in-water or during dry-docking. The process includes both proactive cleaning (periodic removal of microfouling) and reactive cleaning (removal of micro- and macrofouling as corrective action).
enumeration	Scientific Research	19: The conduct of observational, sampling, or experimental activities by authorised personnel to collect scientific or environmental data, which may involve the deployment of scientific instruments, collection of biological or geological samples, or in-water survey operations.
enumeration	Tourism	20: Organised recreational visitation and leisure activities in marine areas, including sightseeing, wildlife observation, glass-bottom vessel tours, and guided nature excursions conducted by commercial or permitted operators.
enumeration	Education	21: Structured activities conducted for training, awareness, or interpretive purposes involving groups or individuals learning about the marine environment, including guided educational programs, school activities, and field instruction conducted within designated marine areas.
enumeration	Infrastructure Maintenance	22: Inspection, repair, or upkeep of existing marine or coastal infrastructure such as wharves, piers, pipelines, moorings, subsea cables, navigational aids, or coastal protection structures, including minor works that do not expand the original footprint.

Simple Type rxNCode_actionOrActivityLabel

Namespace	http://www.oho.int/S131/2.0								
Annotations	Restricted values of rxNCode/actionOrActivity								
Diagram	<p>The diagram shows a UML class named "rxNCode_actionOrActivityLabel" with a hollow circle symbol indicating generalization. An arrow points from this class to another class named "xs:string". Below the classes, two boxes provide additional information: one box labeled "Restricted values of rxNCode/actionOrActivity" and another box labeled "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>Navigating With a Pilot</td> </tr> <tr> <td>enumeration</td> <td>Entering Port</td> </tr> <tr> <td>enumeration</td> <td>Leaving Port</td> </tr> <tr> <td>enumeration</td> <td>Berthing</td> </tr> </table>	enumeration	Navigating With a Pilot	enumeration	Entering Port	enumeration	Leaving Port	enumeration	Berthing
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enumeration	Landing
enumeration	Diving
enumeration	Fishing
enumeration	Discharging Overboard
enumeration	Passing
enumeration	Ballast Water Exchange
enumeration	Hull Cleaning
enumeration	Scientific Research
enumeration	Tourism
enumeration	Education
enumeration	Infrastructure Maintenance
Used by	Complex Type rxNCode_actionOrActivityType

Simple Type rxNCode_actionOrActivityCode

Namespace	http://www.ihc.int/S131/2.0																																																		
Annotations	Restricted values of rxNCode/actionOrActivity																																																		
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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Used by	Attribute	rxNCode_actionOrActivityType/@code	

Simple Type categoryOfRxNLabel_Union

Namespace	http://www.ihc.int/S131/2.0
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

Simple Type categoryOfRxNCode

Namespace	http://www.ihc.int/S131/2.0						
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> </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.
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enumeration	2	Transmitting and/or receiving electronic communication signals.					

enumeration	3	Pertaining to environmental protection.
enumeration	4	Pertaining to wildlife protection.
enumeration	5	Pertaining to security.
enumeration	6	The agency or establishment for collecting duties, tolls.
enumeration	7	Pertaining to cargo operations.
enumeration	8	Pertaining to a place of safety or refuge.
enumeration	9	The authority with responsibility for checking the validity of the health declaration of a vessel and for declaring free pratique.
enumeration	10	Pertaining to natural resources or exploitation.
enumeration	11	Person or corporation, owners of, or entrusted with or invested with the power of managing a port. May be called a Harbour Board, Port Trust, Port Commission, Harbour Commission, Marine Department.
enumeration	12	An authority with responsibility for the control and movement of money.
enumeration	13	The science, art, or practice of cultivating the soil, producing crops, and raising livestock and in varying degrees the preparation and marketing of the resulting products.
Used by	Attribute	categoryOfRxNType/@code

Simple Type categoryOfRxNLabel

Namespace	http://www.ihc.int/S131/2.0																																									
Annotations	The principal subject matter of regulations, restrictions, recommendations or nautical information.																																									
Diagram	<p>The diagram illustrates the UML representation of the categoryOfRxNLabel type. It shows a class named 'categoryOfRxNLabel' with an association line pointing to another class named 'xs:string'. A callout box below the association line provides the definition: 'Built-in primitive type. The string datatype represents character strings in XML.' Another callout box to the left of the association line specifies: 'The principal subject matter of regulations, restrictions, recommendations or nautical information.'</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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Simple Type rxNCode_categoryOfRxNLabel

Namespace	http://www.ihc.int/S131/2.0	
Annotations	Restricted values of rxNCode/categoryOfRxN	
Diagram	<p>The diagram shows a UML class named 'rxNCode_categoryOfRxNLabel' with a generalization relationship indicated by an open circle to another class named 'xs:string'. A callout box labeled 'Restricted values of rxNCode/categoryOfRxN' points to the rxNCode_categoryOfRxNLabel class, and 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	Navigation
	enumeration	Communication
	enumeration	Environmental Protection
	enumeration	Wildlife Protection
	enumeration	Security
	enumeration	Customs
	enumeration	Cargo Operation
	enumeration	Refuge
	enumeration	Health
	enumeration	Natural Resources or Exploitation
	enumeration	Port
	enumeration	Finance
	enumeration	Agriculture
Used by	Complex Type	rxNCode_categoryOfRxNType

Simple Type rxNCode_categoryOfRxNCode

Namespace	http://www.ihc.int/S131/2.0	
Annotations	Restricted values of rxNCode/categoryOfRxN	
Diagram	<p>The diagram shows a UML class named 'rxNCode_categoryOfRxNCode' with a generalization relationship indicated by an open circle to another class named 'xs:integer'. A callout box labeled 'Restricted values of rxNCode/categoryOfRxN' points to the rxNCode_categoryOfRxNCode class, and 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 xs:integer class.</p>	
Type	restriction of xs:integer	
Facets	enumeration	1 The process of directing the movement of a craft from one point to another.
	enumeration	2 Transmitting and/or receiving electronic communication signals.
	enumeration	3 Pertaining to environmental protection.
	enumeration	4 Pertaining to wildlife protection.
	enumeration	5 Pertaining to security.
	enumeration	6 The agency or establishment for collecting duties, tolls.
	enumeration	7 Pertaining to cargo operations.
	enumeration	8 Pertaining to a place of safety or refuge.
	enumeration	9 The authority with responsibility for checking the validity of the health declaration of a vessel and for declaring free pratique.
	enumeration	10 Pertaining to natural resources or exploitation.
	enumeration	11 Person or corporation, owners of, or entrusted with or invested with the power of managing a port. May be called a Harbour Board, Port Trust, Port Commission, Harbour Commission, Marine Department.
	enumeration	12 An authority with responsibility for the control and movement of money.

	enumeration	13	The science, art, or practice of cultivating the soil, producing crops, and raising livestock and in varying degrees the preparation and marketing of the resulting products.
Used by	Attribute	rxNCode_categoryOfRxNType/@code	

Simple Type categoryOfVesselLabel_Union

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Union type for labels corresponding to extra codelist values.		
Diagram	<pre> graph LR A[categoryOfVesselLabel_Union] --> B[categoryOfVesselLabel] A --> C[extraLabelType] </pre> <p>Classification of vessels by function or use.</p> <p>Union type for labels corresponding to extra codelist values.</p> <p>Label type for labels of extra values in open enumeration codelists. Accepts any non-empty string beginning with an...</p>		
Type	union of(categoryOfVesselLabel, extraLabelType)		
Used by	Complex Types	Applicability_categoryOfVesselType, categoryOfVesselType	

Simple Type categoryOfVesselCode

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Classification of vessels by function or use.		
Diagram	<pre> graph LR A[categoryOfVesselCode] --> B[xs:integer] </pre> <p>Classification of vessels by function or use.</p> <p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>		
Type	restriction of xs:integer		
Facets	enumeration	1	A vessel which is designed for carrying general cargo, e.g. boxes, sacks.
	enumeration	2	A vessel designed to carry ISO containers.
	enumeration	3	A vessel which is designed for carrying liquid goods, for example oil or water.
	enumeration	4	A vessel which is designed for carrying bulk goods, e.g. coal, ore or grain.
	enumeration	5	A day trip or cabin vessel constructed and equipped to carry more than 12 passengers.
	enumeration	6	A vessel designed to allow road vehicles to be driven on and off; often a ferry.
	enumeration	7	A vessel designed to carry refrigerated cargo.
	enumeration	8	A vessel that is used and equipped for the fishing of living aquatic resources.
	enumeration	9	A vessel which provides a service such as a tug, anchor handler, survey or supply vessel.
	enumeration	10	A vessel designed for the conduct of military operations.
	enumeration	11	Either a tug and tow, or any combination of a tug providing propulsion to barges or vessels secured ahead or alongside.
	enumeration	12	A combination of tug(s) and non-powered tow(s).
	enumeration	13	A pleasure boat or watercraft, or an excursion vessel used for short cruises such as whale watching.
	enumeration	14	An installation which is designed to float at all times and which is normally anchored in position when deployed in the offshore gas and oil industry.
	enumeration	15	An exploration or project installation with legs which can be raised and lowered. The legs are raised when the installation is re-positioned.

		When stationary the legs are lowered to the sea floor and the working platform is raised clear of the sea surface.
enumeration	16	A vessel designed to carry large quantities of live animals.
enumeration	17	A vessel used in fishing for pleasure or competition.
Used by	Attribute	categoryOfVesselType/@code

Simple Type categoryOfVesselLabel

Namespace	http://www.ihc.int/S131/2.0																																																				
Annotations	Classification of vessels by function or use.																																																				
Diagram	<p>The diagram illustrates the relationship between the simple type <code>categoryOfVesselLabel</code> and the XML Schema primitive type <code>xs:string</code>. An association line connects the two, with a multiplicity of <code>0..1</code> at the <code>categoryOfVesselLabel</code> end and <code>1..1</code> at the <code>xs:string</code> end. A note below the association line specifies: "Classification of vessels by function or use." Another note indicates: "Built-in primitive type. The string datatype represents character strings in XML."</p>																																																				
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Simple Type Applicability_categoryOfVesselCode

Namespace	http://www.ihc.int/S131/2.0
Annotations	Custom enum: Applicability/categoryOfVessel

Diagram	<p>Custom enum: Applicability/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	Applicability_categoryOfVesselType/@code

Simple Type Applicability_categoryOfVesselLabel

Namespace	http://www.ihc.int/S131/2.0	
Annotations	Custom enum: Applicability/categoryOfVessel	
Diagram	<p>Custom enum: Applicability/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		
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

Simple Type securitySafetyEmergencyServiceLabel_Union

Namespace	http://www.ihc.int/S131/2.0
Annotations	Union type for labels corresponding to extra codelist values.
Diagram	<pre> graph LR A[securitySafetyEmergencyServiceLabel_Union] --> B[securitySafetyEmergencyServiceLabel] A --> C[extraLabelType] B --- D["Protective services, law enforcement, or services for responding to sudden danger."] 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(securitySafetyEmergencyServiceLabel, extraLabelType)
Used by	Complex Types AvailablePortServices_securitySafetyEmergencyServiceType, securitySafetyEmergencyServiceType

Simple Type securitySafetyEmergencyServiceCode

Namespace	http://www.ihc.int/S131/2.0																								
Annotations	Protective services, law enforcement, or services for responding to sudden danger.																								
Diagram	<pre> graph LR A[securitySafetyEmergencyServiceCode] --> B[xs:integer] </pre>																								
Type	restriction of xs:integer																								
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Used by	Attribute	securitySafetyEmergencyServiceType/@code
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Simple Type securitySafetyEmergencyServiceLabel

Namespace	http://www.ihc.int/S131/2.0																										
Annotations	Protective services, law enforcement, or services for responding to sudden danger.																										
Diagram	<pre> classDiagram class securitySafetyEmergencyServiceLabel { <<Protective services, law enforcement, or services for responding to sudden danger.>> } xs:string securitySafetyEmergencyServiceLabel "1" --> 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>Coast Guard</td> <td>1: 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>Customs</td> <td>2: The agency or establishment for collecting duties, tolls.</td> </tr> <tr> <td>enumeration</td> <td>Environmental Emergency Information Centre</td> <td>3: Office for reporting or obtaining information about sudden dangers to the environment such as spillage of polluting or hazardous substances.</td> </tr> <tr> <td>enumeration</td> <td>Emergency Coordination Centre</td> <td>4: An office or organisation for reporting or coordinating response to emergencies.</td> </tr> <tr> <td>enumeration</td> <td>Guard and/or Security Service</td> <td>5: A place where a vessel is patrolled by a security service or stored in a secure lockup.</td> </tr> <tr> <td>enumeration</td> <td>Immigration</td> <td>6: The authority controlling people entering a country.</td> </tr> <tr> <td>enumeration</td> <td>Police</td> <td>7: The department of government, or civil force, charged with maintaining public order.</td> </tr> <tr> <td>enumeration</td> <td>Sea Rescue Control</td> <td>8: A unit responsible for promoting efficient organization of search and rescue services and for coordinating the conduct of search and rescue operations within a search and rescue region.</td> </tr> </table>			enumeration	Coast Guard	1: Organization keeping watch on shipping and coastal waters according to governmental law; normally the authority with responsibility for search and rescue.	enumeration	Customs	2: The agency or establishment for collecting duties, tolls.	enumeration	Environmental Emergency Information Centre	3: Office for reporting or obtaining information about sudden dangers to the environment such as spillage of polluting or hazardous substances.	enumeration	Emergency Coordination Centre	4: An office or organisation for reporting or coordinating response to emergencies.	enumeration	Guard and/or Security Service	5: A place where a vessel is patrolled by a security service or stored in a secure lockup.	enumeration	Immigration	6: The authority controlling people entering a country.	enumeration	Police	7: The department of government, or civil force, charged with maintaining public order.	enumeration	Sea Rescue Control	8: A unit responsible for promoting efficient organization of search and rescue services and for coordinating the conduct of search and rescue operations within a search and rescue region.
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Simple Type AvailablePortServices_securitySafetyEmergencyServiceCode

Namespace	http://www.ihc.int/S131/2.0																										
Annotations	Custom enum: AvailablePortServices/securitySafetyEmergencyService																										
Diagram	<pre> classDiagram class AvailablePortServices_securitySafetyEmergencyServiceCode { <<Custom enum: AvailablePortServices/securitySafetyEmergencyService>> } xs:integer AvailablePortServices_securitySafetyEmergencyServiceCode "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	<table border="1"> <tr> <td>enumeration</td> <td>1</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>2</td> <td>The agency or establishment for collecting duties, tolls.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>Office for reporting or obtaining information about sudden dangers to the environment such as spillage of polluting or hazardous substances.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>An office or organisation for reporting or coordinating response to emergencies.</td> </tr> <tr> <td>enumeration</td> <td>5</td> <td>A place where a vessel is patrolled by a security service or stored in a secure lockup.</td> </tr> <tr> <td>enumeration</td> <td>6</td> <td>The authority controlling people entering a country.</td> </tr> <tr> <td>enumeration</td> <td>7</td> <td>The department of government, or civil force, charged with maintaining public order.</td> </tr> <tr> <td>enumeration</td> <td>8</td> <td>A unit responsible for promoting efficient organization of search and rescue services and for coordinating the conduct of search and rescue operations within a search and rescue region.</td> </tr> </table>			enumeration	1	Organization keeping watch on shipping and coastal waters according to governmental law; normally the authority with responsibility for search and rescue.	enumeration	2	The agency or establishment for collecting duties, tolls.	enumeration	3	Office for reporting or obtaining information about sudden dangers to the environment such as spillage of polluting or hazardous substances.	enumeration	4	An office or organisation for reporting or coordinating response to emergencies.	enumeration	5	A place where a vessel is patrolled by a security service or stored in a secure lockup.	enumeration	6	The authority controlling people entering a country.	enumeration	7	The department of government, or civil force, charged with maintaining public order.	enumeration	8	A unit responsible for promoting efficient organization of search and rescue services and for coordinating the conduct of search and rescue operations within a search and rescue region.
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enumeration	8	A unit responsible for promoting efficient organization of search and rescue services and for coordinating the conduct of search and rescue operations within a search and rescue region.																									

Used by	Attribute	AvailablePortServices_securitySafetyEmergencyServiceType/@code
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Simple Type AvailablePortServices_securitySafetyEmergencyServiceLabel

Namespace	http://www.ihc.int/S131/2.0																
Annotations	Custom enum: AvailablePortServices/securitySafetyEmergencyService																
Diagram	<p>Diagram illustrating the relationship between AvailablePortServices_securitySafetyEmergencyServiceLabel and xs:string. AvailablePortServices_securitySafetyEmergencyServiceLabel is shown as an enumeration type, and xs:string is a built-in primitive type representing character strings in XML.</p>																
Type	restriction of xs:string																
Facets	<table border="1"> <tr><td>enumeration</td><td>Coast Guard</td></tr> <tr><td>enumeration</td><td>Customs</td></tr> <tr><td>enumeration</td><td>Environmental Emergency Information Centre</td></tr> <tr><td>enumeration</td><td>Emergency Coordination Centre</td></tr> <tr><td>enumeration</td><td>Guard and/or Security Service</td></tr> <tr><td>enumeration</td><td>Immigration</td></tr> <tr><td>enumeration</td><td>Police</td></tr> <tr><td>enumeration</td><td>Sea Rescue Control</td></tr> </table>	enumeration	Coast Guard	enumeration	Customs	enumeration	Environmental Emergency Information Centre	enumeration	Emergency Coordination Centre	enumeration	Guard and/or Security Service	enumeration	Immigration	enumeration	Police	enumeration	Sea Rescue Control
enumeration	Coast Guard																
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enumeration	Environmental Emergency Information Centre																
enumeration	Emergency Coordination Centre																
enumeration	Guard and/or Security Service																
enumeration	Immigration																
enumeration	Police																
enumeration	Sea Rescue Control																

Simple Type transportConnectionLabel_Union

Namespace	http://www.ihc.int/S131/2.0
Annotations	Union type for labels corresponding to extra codelist values.
Diagram	<p>Diagram illustrating the union type transportConnectionLabel_Union. It branches into two components: transportConnectionLabel (Classification of services for the conveyance of persons and/or goods, according to means of transport, nature of path,...) and extraLabelType (Label type for labels of extra values in open enumeration codelists. Accepts any non-empty string beginning with an...).</p>
Type	union(transportConnectionLabel, extraLabelType)
Used by	Complex Types AvailablePortServices_transportConnectionType, transportConnectionType

Simple Type transportConnectionCode

Namespace	http://www.ihc.int/S131/2.0						
Annotations	Classification of services for the conveyance of persons and/or goods, according to means of transport, nature of path, or representative installation.						
Diagram	<p>Diagram illustrating the restriction of transportConnectionCode to xs:integer. It shows the classification of services for the conveyance of persons and/or goods, according to means of transport, nature of path, and the derived type xs:integer (Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...).</p>						
Type	restriction of xs:integer						
Facets	<table border="1"> <tr> <td>enumeration</td> <td>2</td> <td>A small airport for the use of helicopters and some other vertical lift aircraft. Heliports typically contain one or more touchdown and liftoff areas and also have facilities such as fuel or hangars. In some larger towns and cities, customs facilities may also be available.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>A small landing surface for helicopters, with minimal or no supporting installations or facilities.</td> </tr> </table>	enumeration	2	A small airport for the use of helicopters and some other vertical lift aircraft. Heliports typically contain one or more touchdown and liftoff areas and also have facilities such as fuel or hangars. In some larger towns and cities, customs facilities may also be available.	enumeration	3	A small landing surface for helicopters, with minimal or no supporting installations or facilities.
enumeration	2	A small airport for the use of helicopters and some other vertical lift aircraft. Heliports typically contain one or more touchdown and liftoff areas and also have facilities such as fuel or hangars. In some larger towns and cities, customs facilities may also be available.					
enumeration	3	A small landing surface for helicopters, with minimal or no supporting installations or facilities.					

	enumeration	4	Small boat with crew that may be hired for single journeys.
	enumeration	5	A building where buses and coaches regularly stop to take on and/or let off passengers, especially for long-distance travel.
	enumeration	6	A vessel for transporting passengers, vehicles, and/or goods across a stretch of water, especially as a regular service.
	enumeration	8	A limited access dual carriageway road specially designed for fast long-distance traffic and subject to special regulations concerning its use. It may have more than two lanes.
	enumeration	9	Large open or half decked boat.
	enumeration	11	The carriage of goods or passengers using navigable waterways such as canals, rivers, lakes, or other stretch of water that is not part of the sea.
	enumeration	12	The carriage of specified types of cargo between qualifying ports. The types of cargo and/or qualifying ports are generally specified by law or government regulation.
	enumeration	13	Specially designated commercially navigable routes in coastal, inland, and intracoastal waters, frequently as waterborne relievers to congested landside routes.
Used by	Attribute	transportConnectionType/@code	

Simple Type transportConnectionLabel

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Classification of services for the conveyance of persons and/or goods, according to means of transport, nature of path, or representative installation.		
Diagram	<pre> classDiagram class transportConnectionLabel { <<Classification of services for the conveyance of persons and/or goods, according to means of transport, nature of path....>> } class xs_string { <<Built-in primitive type. The string datatype represents character strings in XML.>> } transportConnectionLabel < -- xs_string </pre>		
Type	restriction of xs:string		
Facets	enumeration	Heliport	2: A small airport for the use of helicopters and some other vertical lift aircraft. Heliports typically contain one or more touchdown and liftoff areas and also have facilities such as fuel or hangars. In some larger towns and cities, customs facilities may also be available.
	enumeration	Helipad	3: A small landing surface for helicopters, with minimal or no supporting installations or facilities.
	enumeration	Hired Boat	4: Small boat with crew that may be hired for single journeys.
	enumeration	Bus Station	5: A building where buses and coaches regularly stop to take on and/or let off passengers, especially for long-distance travel.
	enumeration	Ferry	6: A vessel for transporting passengers, vehicles, and/or goods across a stretch of water, especially as a regular service.
	enumeration	Motorway	8: A limited access dual carriageway road specially designed for fast long-distance traffic and subject to special regulations concerning its use. It may have more than two lanes.
	enumeration	Launch	9: Large open or half decked boat.
	enumeration	Inland Waterway Transport	11: The carriage of goods or passengers using navigable waterways such as canals, rivers, lakes, or other stretch of water that is not part of the sea.
	enumeration	Short Sea Transportation	12: The carriage of specified types of cargo between qualifying ports. The types of cargo

		and/or qualifying ports are generally specified by law or government regulation.
enumeration	Marine Highway	13: Specially designated commercially navigable routes in coastal, inland, and intracoastal waters, frequently as waterborne relievers to congested landside routes.

Simple Type AvailablePortServices_transportConnectionCode

Namespace	http://www.ihoint/S131/2.0																															
Annotations	Custom enum: AvailablePortServices/transportConnection																															
Diagram	<p>The diagram shows a UML class named 'AvailablePortServices_transportConnectionCode' with a multiplicity of 0..1. It has a directed association with the built-in type 'xs:integer' with a multiplicity of 0..1. A callout box for 'AvailablePortServices/transportConnection' indicates it is a custom enum. A callout box for 'xs:integer' indicates it is a built-in derived type where the integer datatype is derived from decimal by fixing the value of fractionDigits to be 0.</p>																															
Type	restriction of xs:integer																															
Facets	<table border="1"> <tr> <td>enumeration</td> <td>2</td> <td>A small airport for the use of helicopters and some other vertical lift aircraft. Heliports typically contain one or more touchdown and liftoff areas and also have facilities such as fuel or hangars. In some larger towns and cities, customs facilities may also be available.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>A small landing surface for helicopters, with minimal or no supporting installations or facilities.</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>Small boat with crew that may be hired for single journeys.</td> </tr> <tr> <td>enumeration</td> <td>5</td> <td>A building where buses and coaches regularly stop to take on and/or let off passengers, especially for long-distance travel.</td> </tr> <tr> <td>enumeration</td> <td>6</td> <td>A vessel for transporting passengers, vehicles, and/or goods across a stretch of water, especially as a regular service.</td> </tr> <tr> <td>enumeration</td> <td>8</td> <td>A limited access dual carriageway road specially designed for fast long-distance traffic and subject to special regulations concerning its use. It may have more than two lanes.</td> </tr> <tr> <td>enumeration</td> <td>9</td> <td>Large open or half decked boat.</td> </tr> <tr> <td>enumeration</td> <td>11</td> <td>The carriage of goods or passengers using navigable waterways such as canals, rivers, lakes, or other stretch of water that is not part of the sea.</td> </tr> <tr> <td>enumeration</td> <td>12</td> <td>The carriage of specified types of cargo between qualifying ports. The types of cargo and/or qualifying ports are generally specified by law or government regulation.</td> </tr> <tr> <td>enumeration</td> <td>13</td> <td>Specially designated commercially navigable routes in coastal, inland, and intracoastal waters, frequently as waterborne relievers to congested landside routes.</td> </tr> </table>		enumeration	2	A small airport for the use of helicopters and some other vertical lift aircraft. Heliports typically contain one or more touchdown and liftoff areas and also have facilities such as fuel or hangars. In some larger towns and cities, customs facilities may also be available.	enumeration	3	A small landing surface for helicopters, with minimal or no supporting installations or facilities.	enumeration	4	Small boat with crew that may be hired for single journeys.	enumeration	5	A building where buses and coaches regularly stop to take on and/or let off passengers, especially for long-distance travel.	enumeration	6	A vessel for transporting passengers, vehicles, and/or goods across a stretch of water, especially as a regular service.	enumeration	8	A limited access dual carriageway road specially designed for fast long-distance traffic and subject to special regulations concerning its use. It may have more than two lanes.	enumeration	9	Large open or half decked boat.	enumeration	11	The carriage of goods or passengers using navigable waterways such as canals, rivers, lakes, or other stretch of water that is not part of the sea.	enumeration	12	The carriage of specified types of cargo between qualifying ports. The types of cargo and/or qualifying ports are generally specified by law or government regulation.	enumeration	13	Specially designated commercially navigable routes in coastal, inland, and intracoastal waters, frequently as waterborne relievers to congested landside routes.
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Used by	Attribute	AvailablePortServices_transportConnectionType/@code																														

Simple Type AvailablePortServices_transportConnectionLabel

Namespace	http://www.ihoint/S131/2.0							
Annotations	Custom enum: AvailablePortServices/transportConnection							
Diagram	<p>The diagram shows a UML class named 'AvailablePortServices_transportConnectionLabel' with a multiplicity of 0..1. It has a directed association with the built-in type 'xs:string' with a multiplicity of 0..1. A callout box for 'AvailablePortServices/transportConnection' indicates it is a custom enum. A callout box for 'xs:string' indicates it is a built-in primitive type representing character strings in XML.</p>							
Type	restriction of xs:string							
Facets	<table border="1"> <tr> <td>enumeration</td> <td>Heliport</td> </tr> <tr> <td>enumeration</td> <td>Helipad</td> </tr> <tr> <td>enumeration</td> <td>Hired Boat</td> </tr> </table>		enumeration	Heliport	enumeration	Helipad	enumeration	Hired Boat
enumeration	Heliport							
enumeration	Helipad							
enumeration	Hired Boat							

enumeration	Bus Station
enumeration	Ferry
enumeration	Motorway
enumeration	Launch
enumeration	Inland Waterway Transport
enumeration	Short Sea Transportation
enumeration	Marine Highway

Complex Type(s)

Complex Type berthingAssistanceType

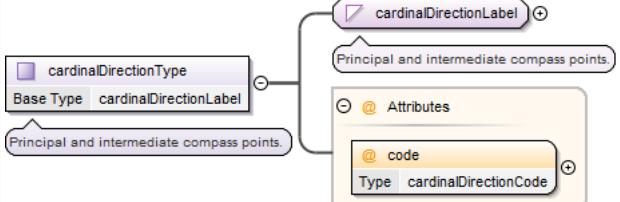
Namespace	http://www.ihc.int/S131/2.0								
Annotations	Classification of assistance for mooring or anchoring operations.								
Diagram	<pre> classDiagram class berthingAssistanceType { <<Classification of assistance for mooring or anchoring operations.>> <<@ code : berthingAssistanceCode>> } berthingAssistanceType < -- berthingAssistanceLabel </pre>								
Type	extension of berthingAssistanceLabel								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • berthingAssistanceLabel • berthingAssistanceType 								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>berthingAssistanceCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	berthingAssistanceCode	required		
QName	Type	Use							
code	berthingAssistanceCode	required							

Complex Type AvailablePortServices_berthingAssistanceType

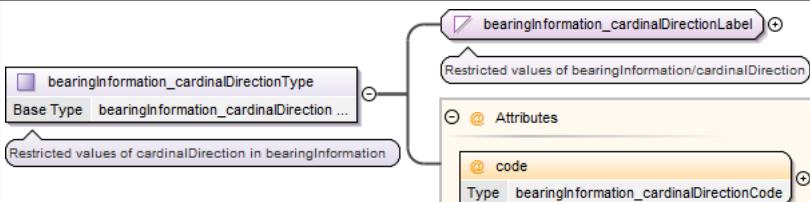
Namespace	http://www.ihc.int/S131/2.0								
Annotations	Restricted values of berthingAssistance in AvailablePortServices								
Diagram	<pre> classDiagram class AvailablePortServices_berthingAssistanceType { <<Restricted values of berthingAssistance in AvailablePortServices>> <<Custom enum: AvailablePortServices/berthingAssistance>> <<@ code : AvailablePortServices_berthingAssistance>> } AvailablePortServices_berthingAssistanceType < -- AvailablePortServices_berthingAssistanceLabel </pre>								
Type	extension of AvailablePortServices_berthingAssistanceLabel								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • AvailablePortServices_berthingAssistanceLabel • AvailablePortServices_berthingAssistanceType 								
Used by	Element AvailablePortServicesType/berthingAssistance								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>AvailablePortServices_berthingAssistanceCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	AvailablePortServices_berthingAssistanceCode	required		
QName	Type	Use							
code	AvailablePortServices_berthingAssistanceCode	required							

Complex Type cardinalDirectionType

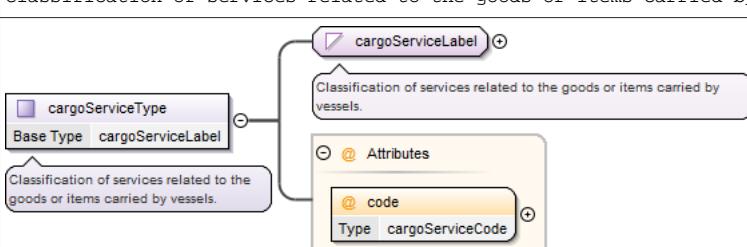
Namespace	http://www.ihc.int/S131/2.0		
Annotations	Principal and intermediate compass points.		

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

Complex Type bearingInformation_cardinalDirectionType

Namespace	http://www.ihc.int/S131/2.0								
Annotations	Restricted values of cardinalDirection in bearingInformation								
Diagram									
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							

Complex Type cargoServiceType

Namespace	http://www.ihc.int/S131/2.0								
Annotations	Classification of services related to the goods or items carried by vessels.								
Diagram									
Type	extension of cargoServiceLabel								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • cargoServiceLabel • cargoServiceType 								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>code</td><td>cargoServiceCode</td><td>required</td></tr> </tbody> </table>	QName	Type	Use	code	cargoServiceCode	required		
QName	Type	Use							
code	cargoServiceCode	required							

Complex Type AvailablePortServices_cargoServiceType

Namespace	http://www.ihc.int/S131/2.0								
Annotations	Restricted values of cargoService in AvailablePortServices								
Diagram									
Type	extension of AvailablePortServices_cargoServiceLabel								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • AvailablePortServices_cargoServiceLabel • AvailablePortServices_cargoServiceType 								
Used by	Element AvailablePortServicesType/cargoService								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>AvailablePortServices_car- goServiceCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	AvailablePortServices_car- goServiceCode	required		
QName	Type	Use							
code	AvailablePortServices_car- goServiceCode	required							

Complex Type categoryOfAnchorageType

Namespace	http://www.ihc.int/S131/2.0								
Annotations	Classification of an area where different use types of vessel can remain static.								
Diagram									
Type	extension of categoryOfAnchorageLabel								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • categoryOfAnchorageLabel • categoryOfAnchorageType 								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>categoryOfAnchorageCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	categoryOfAnchorageCode	required		
QName	Type	Use							
code	categoryOfAnchorageCode	required							

Complex Type AnchorBerth_categoryOfAnchorageType

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Restricted values of categoryOfAnchorage in AnchorBerth		
Diagram			
Type	extension of AnchorBerth_categoryOfAnchorageLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string 		

	<ul style="list-style-type: none"> • AnchorBerth_categoryOfAnchorageLabel • AnchorBerth_categoryOfAnchorageType 						
Used by	Element AnchorBerthType/categoryOfAnchorage						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>AnchorBerth_categoryOfAnchorageCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	AnchorBerth_categoryOfAnchorageCode	required
QName	Type	Use					
code	AnchorBerth_categoryOfAnchorageCode	required					

Complex Type AnchorageArea_categoryOfAnchorageType

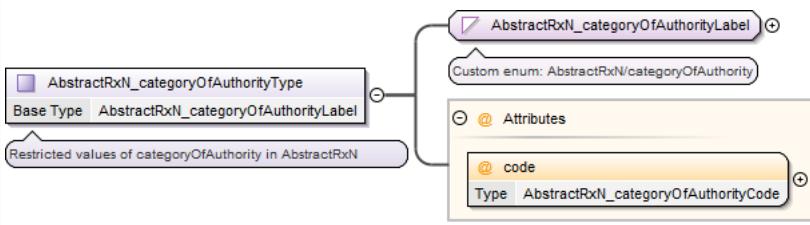
Namespace	http://www.ihc.int/S131/2.0								
Annotations	Restricted values of categoryOfAnchorage in AnchorageArea								
Diagram	<pre> classDiagram class AnchorageArea_categoryOfAnchorageType { <<Custom enum: AnchorageArea/categoryOfAnchorage>> <<@ Attributes</>> <<@ code</>> <<Type AnchorageArea_categoryOfAnchorageCode>> } class AnchorageArea_categoryOfAnchorageLabel { <<Base Type AnchorageArea_categoryOfAnchorageLabel>> } AnchorageArea_categoryOfAnchorageType < -- AnchorageArea_categoryOfAnchorageLabel </pre>								
Type	extension of AnchorageArea_categoryOfAnchorageLabel								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • AnchorageArea_categoryOfAnchorageLabel • AnchorageArea_categoryOfAnchorageType 								
Used by	Element AnchorageAreaType/categoryOfAnchorage								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>AnchorageArea_categoryOfAnchorageCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	AnchorageArea_categoryOfAnchorageCode	required		
QName	Type	Use							
code	AnchorageArea_categoryOfAnchorageCode	required							

Complex Type categoryOfAuthorityType

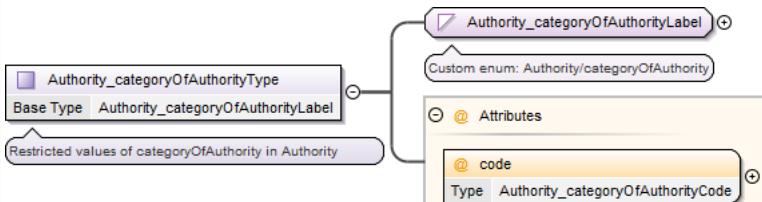
Namespace	http://www.ihc.int/S131/2.0								
Annotations	The type of person, government agency or organisation granted powers of managing or controlling access to and/or activity in an area.								
Diagram	<pre> classDiagram class categoryOfAuthorityType { <<The type of person, government agency or organisation granted powers of managing or controlling access to and/or...>> <<@ Attributes</>> <<@ code</>> <<Type categoryOfAuthorityCode>> } class categoryOfAuthorityLabel { <<Base Type categoryOfAuthorityLabel>> } categoryOfAuthorityType < -- categoryOfAuthorityLabel </pre>								
Type	extension of categoryOfAuthorityLabel								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • 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							

Complex Type AbstractRxN_categoryOfAuthorityType

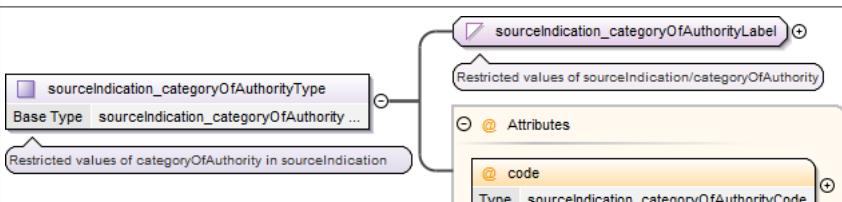
Namespace	http://www.ihc.int/S131/2.0		
Annotations	Restricted values of categoryOfAuthority in AbstractRxN		

Diagram							
Type	extension of AbstractRxN_categoryOfAuthorityLabel						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • 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					

Complex Type Authority_categoryOfAuthorityType

Namespace	http://www.aho.int/S131/2.0								
Annotations	Restricted values of categoryOfAuthority in Authority								
Diagram									
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							

Complex Type sourceIndication_categoryOfAuthorityType

Namespace	http://www.aho.int/S131/2.0		
Annotations	Restricted values of categoryOfAuthority in sourceIndication		
Diagram			
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	QName	Type	Use
	code	sourceIndication_category-OfAuthorityCode	required

Complex Type categoryOfBerthLocationType

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Classification of a berth according to the method of describing its location or extent.		
Diagram	<pre> classDiagram class categoryOfBerthLocationType { <<Classification of a berth according to the method of describing its location or extent.>> @ code } categoryOfBerthLocationType < -- categoryOfBerthLocationLabel categoryOfBerthLocationLabel --> categoryOfBerthLocationType categoryOfBerthLocationLabel <<Classification of a berth according to the method of describing its location or extent.>> categoryOfBerthLocationLabel @ code </pre>		
Type	extension of categoryOfBerthLocationLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string • categoryOfBerthLocationLabel • categoryOfBerthLocationType 		
Attributes	QName	Type	Use
	code	categoryOfBerthLocationCode	required

Complex Type Berth_categoryOfBerthLocationType

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Restricted values of categoryOfBerthLocation in Berth		
Diagram	<pre> classDiagram class Berth_categoryOfBerthLocationType { <<Restricted values of categoryOfBerthLocation in Berth>> @ code } Berth_categoryOfBerthLocationType < -- Berth_categoryOfBerthLocationLabel Berth_categoryOfBerthLocationLabel --> Berth_categoryOfBerthLocationType Berth_categoryOfBerthLocationLabel <<Custom enum: Berth/categoryOfBerthLocation>> Berth_categoryOfBerthLocationLabel @ code </pre>		
Type	extension of Berth_categoryOfBerthLocationLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string • Berth_categoryOfBerthLocationLabel • Berth_categoryOfBerthLocationType 		
Used by	Element BerthType/categoryOfBerthLocation		
Attributes	QName	Type	Use
	code	Berth_categoryOfBerthLocationCode	required

Complex Type categoryOfCargoType

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Classification of the different types of cargo that a ship may be carrying.		
Diagram	<pre> classDiagram class categoryOfCargoType { <<Classification of the different types of cargo that a ship may be carrying.>> @ code } categoryOfCargoType < -- categoryOfCargoLabel categoryOfCargoLabel --> categoryOfCargoType categoryOfCargoLabel <<Classification of the different types of cargo that a ship may be carrying.>> categoryOfCargoLabel @ code </pre>		
Type	extension of categoryOfCargoLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string • categoryOfCargoLabel • categoryOfCargoType 		
Attributes	QName	Type	Use
	code	categoryOfCargoCode	required

Type	extension of categoryOfCargoLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • categoryOfCargoLabel • categoryOfCargoType 		
Attributes	QName	Type	Use
	code	categoryOfCargoCode	required

Complex Type Applicability_categoryOfCargoType

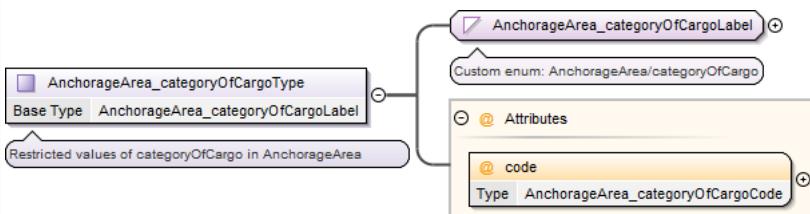
Namespace	http://www.ihc.int/S131/2.0		
Annotations	Restricted values of categoryOfCargo in Applicability		
Diagram	<pre> classDiagram class Applicability_categoryOfCargoType { <<Base Type: Applicability_categoryOfCargoLabel>> <<Restricted values of categoryOfCargo in Applicability>> <<Custom enum: Applicability/categoryOfCargo>> <<@ Attributes>> <<@ code
Type: 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	QName	Type	Use
	code	Applicability_categoryOfCargoCode	required

Complex Type AnchorBerth_categoryOfCargoType

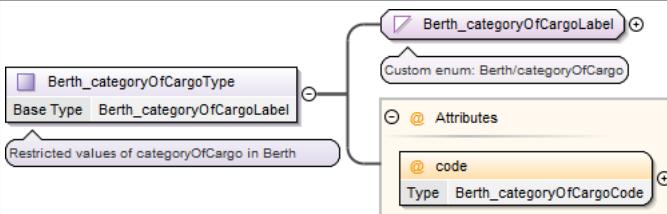
Namespace	http://www.ihc.int/S131/2.0		
Annotations	Restricted values of categoryOfCargo in AnchorBerth		
Diagram	<pre> classDiagram class AnchorBerth_categoryOfCargoType { <<Base Type: AnchorBerth_categoryOfCargoLabel>> <<Restricted values of categoryOfCargo in AnchorBerth>> <<Custom enum: AnchorBerth/categoryOfCargo>> <<@ Attributes>> <<@ code
Type: AnchorBerth_categoryOfCargoCode>> } </pre>		
Type	extension of AnchorBerth_categoryOfCargoLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • AnchorBerth_categoryOfCargoLabel • AnchorBerth_categoryOfCargoType 		
Used by	Element	AnchorBerthType/categoryOfCargo	
Attributes	QName	Type	Use
	code	AnchorBerth_categoryOfCargoCode	required

Complex Type AnchorageArea_categoryOfCargoType

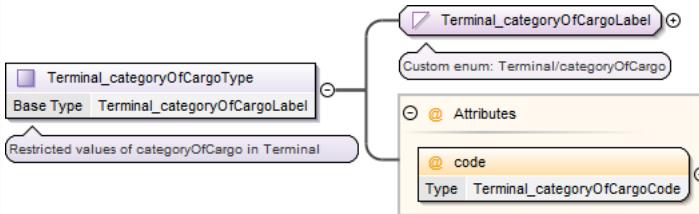
Namespace	http://www.ihc.int/S131/2.0		
Annotations	Restricted values of categoryOfCargo in AnchorageArea		

Diagram							
Type	extension of AnchorageArea_categoryOfCargoLabel						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • AnchorageArea_categoryOfCargoLabel • AnchorageArea_categoryOfCargoType 						
Used by	Element AnchorageAreaType/categoryOfCargo						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>code</td><td>AnchorageArea_categoryOfCargoCode</td><td>required</td></tr> </tbody> </table>	QName	Type	Use	code	AnchorageArea_categoryOfCargoCode	required
QName	Type	Use					
code	AnchorageArea_categoryOfCargoCode	required					

Complex Type Berth_categoryOfCargoType

Namespace	http://www.ihc.int/S131/2.0								
Annotations	Restricted values of categoryOfCargo in Berth								
Diagram									
Type	extension of Berth_categoryOfCargoLabel								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • Berth_categoryOfCargoLabel • Berth_categoryOfCargoType 								
Used by	Element BerthType/categoryOfCargo								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>code</td><td>Berth_categoryOfCargoCode</td><td>required</td></tr> </tbody> </table>			QName	Type	Use	code	Berth_categoryOfCargoCode	required
QName	Type	Use							
code	Berth_categoryOfCargoCode	required							

Complex Type Terminal_categoryOfCargoType

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Restricted values of categoryOfCargo in Terminal		
Diagram			
Type	extension of Terminal_categoryOfCargoLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • Terminal_categoryOfCargoLabel • Terminal_categoryOfCargoType 		
Used by	Element TerminalType/categoryOfCargo		

Attributes	QName	Type	Use
	code	Terminal_categoryOfCargoCode	required

Complex Type categoryOfCommunicationPreferenceType

Namespace	http://www.ihc.int/S131/2.0		
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	QName	Type	Use
	code	categoryOfCommunicationPreferenceCode	required

Complex Type ContactDetails_categoryOfCommunicationPreferenceType

Namespace	http://www.ihc.int/S131/2.0		
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	QName	Type	Use
	code	ContactDetails_categoryOfCommunicationPreferenceCode	required

Complex Type telecommunications_categoryOfCommunicationPreferenceType

Namespace	http://www.ihc.int/S131/2.0		
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 		
Used by	Element telecommunicationsType/categoryOfCommunicationPreference		
Attributes	QName	Type	Use
	code	telecommunications_category-OfCommunicationPreference-Code	required

Complex Type categoryOfDangerousOrHazardousCargoType

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Classification of dangerous goods or hazardous materials based on the International Maritime Dangerous Goods Code (IMDG Code).		
Diagram			
Type	extension of categoryOfDangerousOrHazardousCargoLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • categoryOfDangerousOrHazardousCargoLabel • categoryOfDangerousOrHazardousCargoType 		
Attributes	QName	Type	Use
	code	categoryOfDangerousOrHazardousCargoCode	required

Complex Type Applicability_categoryOfDangerousOrHazardousCargoType

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Restricted values of categoryOfDangerousOrHazardousCargo in Applicability		
Diagram			
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	QName	Type	Use
	code	Applicability_categoryOfDangerousOrHazardousCargoCode	required

Complex Type categoryOfDepthsDescriptionType

Namespace	http://www.ihc.int/S131/2.0		
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Annotations	Classification of significant aspects of depths about which information is provided.						
Diagram	<pre> classDiagram class categoryOfDepthsDescriptionType { <<Classification of significant aspects of depths about which information is provided.>> } categoryOfDepthsDescriptionType < -- categoryOfDepthsDescriptionLabel categoryOfDepthsDescriptionLabel --> categoryOfDepthsDescriptionLabel categoryOfDepthsDescriptionLabel --> categoryOfDepthsDescriptionType categoryOfDepthsDescriptionLabel --> code code --> code code --> categoryOfDepthsDescriptionType </pre>						
Type	extension of categoryOfDepthsDescriptionLabel						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • categoryOfDepthsDescriptionLabel • categoryOfDepthsDescriptionType 						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>categoryOfDepthsDescriptionCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	categoryOfDepthsDescriptionCode	required
QName	Type	Use					
code	categoryOfDepthsDescriptionCode	required					

Complex Type depthsDescription_categoryOfDepthsDescriptionType

Namespace	http://www.ihc.int/S131/2.0						
Annotations	Restricted values of categoryOfDepthsDescription in depthsDescription						
Diagram	<pre> classDiagram class depthsDescription_categoryOfDepthsDescriptionType { <<Restricted values of categoryOfDepthsDescription in depthsDescription>> } depthsDescription_categoryOfDepthsDescriptionType < -- depthsDescription_categoryOfDepthsDescriptionLabel depthsDescription_categoryOfDepthsDescriptionLabel --> depthsDescription_categoryOfDepthsDescriptionLabel depthsDescription_categoryOfDepthsDescriptionLabel --> depthsDescription_categoryOfDepthsDescriptionType depthsDescription_categoryOfDepthsDescriptionLabel --> code code --> code code --> depthsDescription_categoryOfDepthsDescriptionType </pre>						
Type	extension of depthsDescription_categoryOfDepthsDescriptionLabel						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • depthsDescription_categoryOfDepthsDescriptionLabel • depthsDescription_categoryOfDepthsDescriptionType 						
Used by	Element depthsDescriptionType/categoryOfDepthsDescription						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>depthsDescription_categoryOfDepthsDescriptionCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	depthsDescription_categoryOfDepthsDescriptionCode	required
QName	Type	Use					
code	depthsDescription_categoryOfDepthsDescriptionCode	required					

Complex Type categoryOfDolphinType

Namespace	http://www.ihc.int/S131/2.0
Annotations	Classification of a post or group of posts, used for mooring or warping a vessel.
Diagram	<pre> classDiagram class categoryOfDolphinType { <<Classification of a post or group of posts, used for mooring or warping a vessel.>> } categoryOfDolphinType < -- categoryOfDolphinLabel categoryOfDolphinLabel --> categoryOfDolphinLabel categoryOfDolphinLabel --> categoryOfDolphinType categoryOfDolphinLabel --> code code --> code code --> categoryOfDolphinType </pre>
Type	extension of categoryOfDolphinLabel
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • categoryOfDolphinLabel • categoryOfDolphinType

Attributes	QName	Type	Use
	code	categoryOfDolphinCode	required

Complex Type Dolphin_categoryOfDolphinType

Namespace	http://www.ih0.int/S131/2.0		
Annotations	Restricted values of categoryOfDolphin in Dolphin		
Diagram			
Type	extension of Dolphin_categoryOfDolphinLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • Dolphin_categoryOfDolphinLabel • Dolphin_categoryOfDolphinType 		
Used by	Element	DolphinType/categoryOfDolphin	
Attributes	QName	Type	Use
	code	Dolphin_categoryOfDolphinCode	required

Complex Type categoryOfFrequencyType

Namespace	http://www.ih0.int/S131/2.0		
Annotations	The electrical frequency provided by the power supply station.		
Diagram			
Type	extension of categoryOfFrequencyLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • categoryOfFrequencyLabel • categoryOfFrequencyType 		
Attributes	QName	Type	Use
	code	categoryOfFrequencyCode	required

Complex Type Berth_categoryOfFrequencyType

Namespace	http://www.ih0.int/S131/2.0		
Annotations	Restricted values of categoryOfFrequency in Berth		
Diagram			

Type	extension of Berth_categoryOfFrequencyLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> Berth_categoryOfFrequencyLabel Berth_categoryOfFrequencyType 		
Used by	Element BerthType/categoryOfFrequency		
Attributes	QName	Type	Use
	code	Berth_categoryOfFrequency-Code	required

Complex Type OnshorePowerFacility_categoryOfFrequencyType

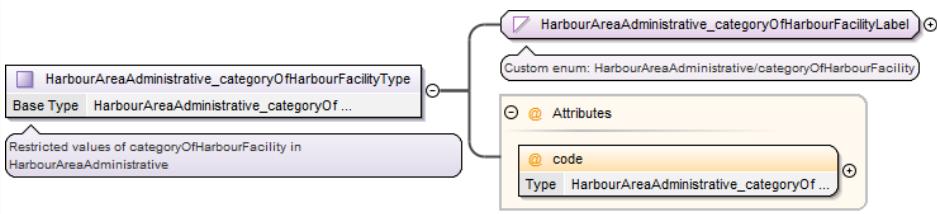
Namespace	http://www.aho.int/S131/2.0		
Annotations	Restricted values of categoryOfFrequency in OnshorePowerFacility		
Diagram	<pre> classDiagram class OnshorePowerFacility_categoryOfFrequencyType { <<Base Type>> } class OnshorePowerFacility_categoryOfFrequencyLabel { <<Custom enum: OnshorePowerFacility/categoryOfFrequency>> } OnshorePowerFacility_categoryOfFrequencyType < -- OnshorePowerFacility_categoryOfFrequencyLabel OnshorePowerFacility_categoryOfFrequencyLabel { <<@ Attributes>> code } </pre>		
Type	extension of OnshorePowerFacility_categoryOfFrequencyLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> OnshorePowerFacility_categoryOfFrequencyLabel OnshorePowerFacility_categoryOfFrequencyType 		
Used by	Element OnshorePowerFacilityType/categoryOfFrequency		
Attributes	QName	Type	Use
	code	OnshorePowerFacility_categoryOfFrequencyCode	required

Complex Type categoryOfHarbourFacilityType

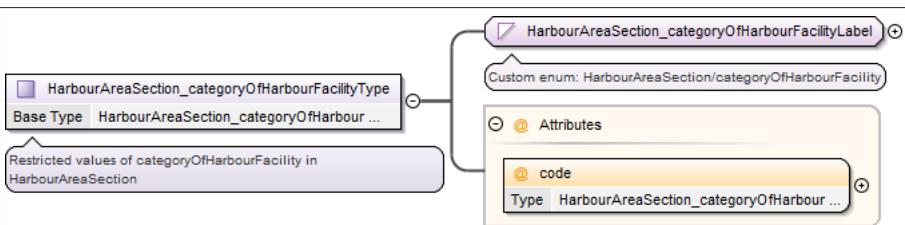
Namespace	http://www.aho.int/S131/2.0		
Annotations	Classification of harbour use.		
Diagram	<pre> classDiagram class categoryOfHarbourFacilityType { <<Base Type>> } class categoryOfHarbourFacilityLabel { <<Classification of harbour use.>> } categoryOfHarbourFacilityType < -- categoryOfHarbourFacilityLabel categoryOfHarbourFacilityLabel { <<@ Attributes>> code } </pre>		
Type	extension of categoryOfHarbourFacilityLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> categoryOfHarbourFacilityLabel categoryOfHarbourFacilityType 		
Attributes	QName	Type	Use
	code	categoryOfHarbourFacilityCode	required

Complex Type HarbourAreaAdministrative_categoryOfHarbourFacilityType

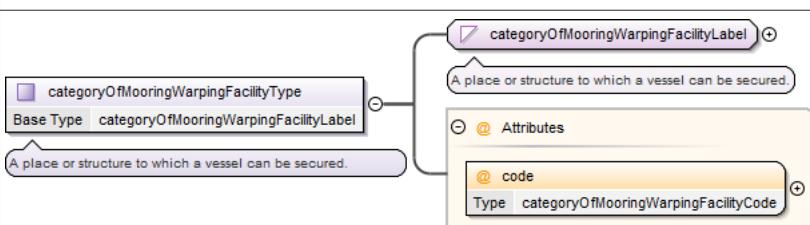
Namespace	http://www.aho.int/S131/2.0		
Annotations	Restricted values of categoryOfHarbourFacility in HarbourAreaAdministrative		

Diagram							
Type	extension of HarbourAreaAdministrative_categoryOfHarbourFacilityLabel						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> • HarbourAreaAdministrative_categoryOfHarbourFacilityLabel • HarbourAreaAdministrative_categoryOfHarbourFacilityType 						
Used by	Element HarbourAreaAdministrativeType/categoryOfHarbourFacility						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>code</td><td>HarbourAreaAdministrative_categoryOfHarbourFacilityCode</td><td>required</td></tr> </tbody> </table>	QName	Type	Use	code	HarbourAreaAdministrative_categoryOfHarbourFacilityCode	required
QName	Type	Use					
code	HarbourAreaAdministrative_categoryOfHarbourFacilityCode	required					

Complex Type HarbourAreaSection_categoryOfHarbourFacilityType

Namespace	http://www.ihc.int/S131/2.0						
Annotations	Restricted values of categoryOfHarbourFacility in HarbourAreaSection						
Diagram							
Type	extension of HarbourAreaSection_categoryOfHarbourFacilityLabel						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> • HarbourAreaSection_categoryOfHarbourFacilityLabel • HarbourAreaSection_categoryOfHarbourFacilityType 						
Used by	Element HarbourAreaSectionType/categoryOfHarbourFacility						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>code</td><td>HarbourAreaSection_categoryOfHarbourFacilityCode</td><td>required</td></tr> </tbody> </table>	QName	Type	Use	code	HarbourAreaSection_categoryOfHarbourFacilityCode	required
QName	Type	Use					
code	HarbourAreaSection_categoryOfHarbourFacilityCode	required					

Complex Type categoryOfMooringWarpingFacilityType

Namespace	http://www.ihc.int/S131/2.0
Annotations	A place or structure to which a vessel can be secured.
Diagram	
Type	extension of categoryOfMooringWarpingFacilityLabel
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> • categoryOfMooringWarpingFacilityLabel • categoryOfMooringWarpingFacilityType

Attributes	QName	Type	Use	
	code	categoryOfMooringWarpingFacilityCode	required	

Complex Type MooringWarpingFacility_categoryOfMooringWarpingFacilityType

Namespace	http://www.ihoint/S131/2.0											
Annotations	Restricted values of categoryOfMooringWarpingFacility in MooringWarpingFacility											
Diagram	<pre> classDiagram class MooringWarpingFacility_categoryOfMooringWarpingFacilityType { <<Base Type: MooringWarpingFacility_label>> <<Restricted values of categoryOfMooringWarpingFacility in MooringWarpingFacility>> @code : categoryOfMooringWarpingFacilityCode } class MooringWarpingFacility_label { <<Custom enum: MooringWarpingFacility/categoryOfMooringWarpingFacility>> } MooringWarpingFacility_label < -- MooringWarpingFacility_categoryOfMooringWarpingFacilityType </pre>											
Type	extension of MooringWarpingFacility_label											
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> MooringWarpingFacility_label MooringWarpingFacility_categoryOfMooringWarpingFacilityType 											
Used by	Element MooringWarpingFacilityType/categoryOfMooringWarpingFacility											
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>MooringWarpingFacility_categoryOfMooringWarpingFacilityCode</td> <td>required</td> <td></td> </tr> </tbody> </table>				QName	Type	Use		code	MooringWarpingFacility_categoryOfMooringWarpingFacilityCode	required	
QName	Type	Use										
code	MooringWarpingFacility_categoryOfMooringWarpingFacilityCode	required										

Complex Type categoryOfPortSectionType

Namespace	http://www.ihoint/S131/2.0											
Annotations	Classification of subdivisions of a port or harbour area by usage.											
Diagram	<pre> classDiagram class categoryOfPortSectionType { <<Base Type: categoryOfPortSectionLabel>> <<Classification of subdivisions of a port or harbour area by usage.>> @code : categoryOfPortSectionCode } class categoryOfPortSectionLabel { <<Custom enum: categoryOfPortSectionType/categoryOfPortSectionLabel>> } categoryOfPortSectionLabel < -- categoryOfPortSectionType </pre>											
Type	extension of categoryOfPortSectionLabel											
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> categoryOfPortSectionLabel categoryOfPortSectionType 											
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>categoryOfPortSectionCode</td> <td>required</td> <td></td> </tr> </tbody> </table>				QName	Type	Use		code	categoryOfPortSectionCode	required	
QName	Type	Use										
code	categoryOfPortSectionCode	required										

Complex Type HarbourAreaSection_categoryOfPortSectionType

Namespace	http://www.ihoint/S131/2.0			
Annotations	Restricted values of categoryOfPortSection in HarbourAreaSection			
Diagram	<pre> classDiagram class HarbourAreaSection_categoryOfPortSectionType { <<Base Type: HarbourAreaSection_label>> <<Restricted values of categoryOfPortSection in HarbourAreaSection>> @code : HarbourAreaSection_categoryOfPortSectionCode } class HarbourAreaSection_label { <<Custom enum: HarbourAreaSection/categoryOfPortSection>> } HarbourAreaSection_label < -- HarbourAreaSection_categoryOfPortSectionType </pre>			

Type	extension of HarbourAreaSection_categoryOfPortSectionLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • HarbourAreaSection_categoryOfPortSectionLabel • HarbourAreaSection_categoryOfPortSectionType 		
Used by	Element HarbourAreaSectionType/categoryOfPortSection		
Attributes	QName	Type	Use
	code	HarbourAreaSection_categoryOfPortSectionCode	required

Complex Type WaterwayArea_categoryOfPortSectionType

Namespace	http://www.ih0.int/S131/2.0		
Annotations	Restricted values of categoryOfPortSection in WaterwayArea		
Diagram			
Type	extension of WaterwayArea_categoryOfPortSectionLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • WaterwayArea_categoryOfPortSectionLabel • WaterwayArea_categoryOfPortSectionType 		
Used by	Element WaterwayAreaType/categoryOfPortSection		
Attributes	QName	Type	Use
	code	WaterwayArea_categoryOfPortSectionCode	required

Complex Type categoryOfRelationshipType

Namespace	http://www.ih0.int/S131/2.0		
Annotations	Expresses constraints or requirements on vessel actions or activities in relation to a geographic feature, facility, or service.		
Diagram			
Type	extension of categoryOfRelationshipLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • categoryOfRelationshipLabel • categoryOfRelationshipType 		
Used by	Element PermissionTypeType/categoryOfRelationship		
Attributes	QName	Type	Use
	code	categoryOfRelationshipCode	required

Complex Type categoryOfScheduleType

Namespace	http://www.ih0.int/S131/2.0		
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Annotations	The type of schedule, for instance opening, closure, etc.						
Diagram	<pre> classDiagram categoryOfScheduleType "0..1" --> "1..1" categoryOfScheduleLabel categoryOfScheduleLabel "0..1" --> "1..1" Attributes Attributes "0..1" --> "1..1" code code "0..1" --> "1..1" categoryOfScheduleCode </pre>						
Type	extension of categoryOfScheduleLabel						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • 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					

Complex Type scheduleByDayOfWeek_categoryOfScheduleType

Namespace	http://www.ihc.int/S131/2.0								
Annotations	Restricted values of categoryOfSchedule in scheduleByDayOfWeek								
Diagram	<pre> classDiagram scheduleByDayOfWeek_categoryOfScheduleType "0..1" --> "1..1" scheduleByDayOfWeek_categoryOfScheduleLabel scheduleByDayOfWeek_categoryOfScheduleLabel "0..1" --> "1..1" Attributes Attributes "0..1" --> "1..1" code code "0..1" --> "1..1" scheduleByDayOfWeek_categoryOfScheduleCode </pre>								
Type	extension of scheduleByDayOfWeek_categoryOfScheduleLabel								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • 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_categoryOfScheduleCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	scheduleByDayOfWeek_categoryOfScheduleCode	required		
QName	Type	Use							
code	scheduleByDayOfWeek_categoryOfScheduleCode	required							

Complex Type categoryOfShorePowerFacilityType

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Classification of equipment or installations that are used for providing shoreside electrical power to a vessel at berth.		
Diagram	<pre> classDiagram categoryOfShorePowerFacilityType "0..1" --> "1..1" categoryOfShorePowerFacilityLabel categoryOfShorePowerFacilityLabel "0..1" --> "1..1" Attributes Attributes "0..1" --> "1..1" code code "0..1" --> "1..1" categoryOfShorePowerFacilityCode </pre>		
Type	extension of categoryOfShorePowerFacilityLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • categoryOfShorePowerFacilityLabel • categoryOfShorePowerFacilityType 		

Attributes	QName	Type	Use
	code	categoryOfShorePowerFacilityCode	required

Complex Type OnshorePowerFacility_categoryOfShorePowerFacilityType

Namespace	http://www.ihodata.com/S131/2.0								
Annotations	Restricted values of categoryOfShorePowerFacility in OnshorePowerFacility								
Diagram	<p>The diagram illustrates the structure of the complex type <code>OnshorePowerFacility_categoryOfShorePowerFacilityType</code>. It shows the type definition with its base type <code>OnshorePowerFacility_categoryOfShorePowerFacilityLabel</code>. A callout box provides the detailed description: "Restricted values of categoryOfShorePowerFacility in OnshorePowerFacility". To the right, a tree view shows the attributes: <code>code</code> (type <code>OnshorePowerFacility_categoryOfShorePowerFacilityCode</code>) and <code>OnshorePowerFacility_categoryOfShorePowerFacilityLabel</code> (Custom enum: <code>OnshorePowerFacility/categoryOfShorePowerFacility</code>).</p>								
Type	extension of <code>OnshorePowerFacility_categoryOfShorePowerFacilityLabel</code>								
Type hierarchy	<ul style="list-style-type: none"> • <code>xs:string</code> <ul style="list-style-type: none"> • <code>OnshorePowerFacility_categoryOfShorePowerFacilityLabel</code> • <code>OnshorePowerFacility_categoryOfShorePowerFacilityType</code> 								
Used by	Element <code>OnshorePowerFacilityType/categoryOfShorePowerFacility</code>								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>OnshorePowerFacility_categoryOfShorePowerFacilityCode</td> <td>required</td> </tr> </tbody> </table>			QName	Type	Use	code	OnshorePowerFacility_categoryOfShorePowerFacilityCode	required
QName	Type	Use							
code	OnshorePowerFacility_categoryOfShorePowerFacilityCode	required							

Complex Type categoryOfTemporalVariationType

Namespace	http://www.ihodata.com/S131/2.0								
Annotations	An assessment of the likelihood of change over time.								
Diagram	<p>The diagram illustrates the structure of the complex type <code>categoryOfTemporalVariationType</code>. It shows the type definition with its base type <code>categoryOfTemporalVariationLabel</code>. A callout box provides the detailed description: "An assessment of the likelihood of change over time.". To the right, a tree view shows the attributes: <code>code</code> (type <code>categoryOfTemporalVariationCode</code>) and <code>categoryOfTemporalVariationLabel</code>.</p>								
Type	extension of <code>categoryOfTemporalVariationLabel</code>								
Type hierarchy	<ul style="list-style-type: none"> • <code>xs:string</code> <ul style="list-style-type: none"> • <code>categoryOfTemporalVariationLabel</code> • <code>categoryOfTemporalVariationType</code> 								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>categoryOfTemporalVariationCode</td> <td>required</td> </tr> </tbody> </table>			QName	Type	Use	code	categoryOfTemporalVariationCode	required
QName	Type	Use							
code	categoryOfTemporalVariationCode	required							

Complex Type QualityOfNonBathymetricData_categoryOfTemporalVariationType

Namespace	http://www.ihodata.com/S131/2.0		
Annotations	Restricted values of categoryOfTemporalVariation in <code>QualityOfNonBathymetricData</code>		
Diagram	<p>The diagram illustrates the structure of the complex type <code>QualityOfNonBathymetricData_categoryOfTemporalVariationType</code>. It shows the type definition with its base type <code>QualityOfNonBathymetricData_category...</code>. A callout box provides the detailed description: "Restricted values of categoryOfTemporalVariation in <code>QualityOfNonBathymetricData</code>". To the right, a tree view shows the attributes: <code>code</code> (type <code>QualityOfNonBathymetricData_category...</code>) and <code>QualityOfNonBathymetricData_categoryOfTemporalVariationLabel</code>.</p>		

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 								
Used by	Element QualityOfNonBathymetricDataType/categoryOfTemporalVariation								
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							

Complex Type categoryOfTerminalType

Namespace	http://www.ihc.int/S131/2.0						
Annotations	Classification of terminals according to type of use, purpose, or type of cargo loaded or unloaded.						
Diagram	<pre> classDiagram categoryOfTerminalType "Base Type" --> categoryOfTerminalLabel categoryOfTerminalLabel < -- "Classification of terminals according to type of use, purpose, or type of cargo loaded or unloaded." categoryOfTerminalLabel < -- "@ Attributes" categoryOfTerminalLabel < -- code </pre>						
Type	extension of categoryOfTerminalLabel						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • categoryOfTerminalLabel • categoryOfTerminalType 						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>categoryOfTerminalCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	categoryOfTerminalCode	required
QName	Type	Use					
code	categoryOfTerminalCode	required					

Complex Type Terminal_categoryOfTerminalType

Namespace	http://www.ihc.int/S131/2.0								
Annotations	Restricted values of categoryOfTerminal in Terminal								
Diagram	<pre> classDiagram class Terminal_categoryOfTerminalType { <<Base Type>> } class Terminal_categoryOfTerminalLabel { <<Restricted values of categoryOfTerminal in Terminal>> } Terminal_categoryOfTerminalType "0..1" --> "1..1" Terminal_categoryOfTerminalLabel Terminal_categoryOfTerminalLabel "0..1" --> "1..1" CustomEnum class CustomEnum { <<Custom enum: Terminal/categoryOfTerminal>> } class Terminal_categoryOfTerminalLabel { <<Attributes>> attribute @ code attribute Type Terminal_categoryOfTerminalCode } class Terminal_categoryOfTerminalCode { <<Type>> } </pre>								
Type	extension of Terminal_categoryOfTerminalLabel								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • Terminal_categoryOfTerminalLabel • Terminal_categoryOfTerminalType 								
Used by	Element TerminalType/categoryOfTerminal								
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>Terminal_categoryOfTerminal-Code</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		code	Terminal_categoryOfTerminal-Code	required	
QName	Type	Use							
code	Terminal_categoryOfTerminal-Code	required							

Complex Type categoryOfTextType

Namespace <http://www.ihc.int/S131/2.0>

Annotations	Classification of completeness of textual information in relation to the source material from which it is derived.						
Diagram	<pre> classDiagram class categoryOfTextLabel { <<Classification of completeness of textual information in relation to the source material from which it is derived.>> } categoryOfTextLabel "1" -- "0..1" @code : code @code <<Classification of completeness of textual information in relation to the source material from which it is derived.>> </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					

Complex Type textContent_categoryOfTextType

Namespace	http://www.ihc.int/S131/2.0								
Annotations	Restricted values of categoryOfText in textContent								
Diagram	<pre> classDiagram class textContent_categoryOfTextType { <<Restricted values of categoryOfText in textContent>> } textContent_categoryOfTextType "1" -- "0..1" @code : code @code <<Restricted values of categoryOfText in textContent>> </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							

Complex Type categoryOfVesselRegistryType

Namespace	http://www.ihc.int/S131/2.0		
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...>> } categoryOfVesselRegistryType "1" -- "0..1" @code : code @code <<The locality of vessel registration or enrolment relative to the nationality of a port, territorial sea, administrative...>> </pre>		
Type	extension of categoryOfVesselRegistryLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string • categoryOfVesselRegistryLabel • categoryOfVesselRegistryType 		

Attributes	QName	Type	Use
	code	categoryOfVesselRegistryCode	required

Complex Type Applicability_categoryOfVesselRegistryType

Namespace	http://www.ihc.int/S131/2.0		
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--> Attributes Attributes "0..1" o--> code code "0..1" o--> Applicability_categoryOfVesselRegistryType code "0..1" o--> Applicability_categoryOfVesselRegistryLabel code "0..1" o--> Attributes code "0..1" o--> Applicability_categoryOfVesselRegistryType </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

Complex Type categoryOfVoltageType

Namespace	http://www.ihc.int/S131/2.0		
Annotations	The electrical voltage provided by the power supply station.		
Diagram	<pre> classDiagram class categoryOfVoltageType { <<Base Type: categoryOfVoltageLabel>> <<The electrical voltage provided by the power supply station.>> } class categoryOfVoltageLabel { <<The electrical voltage provided by the power supply station.>> } categoryOfVoltageType "0..1" o--> categoryOfVoltageLabel categoryOfVoltageType "0..1" o--> Attributes Attributes "0..1" o--> code code "0..1" o--> categoryOfVoltageType code "0..1" o--> categoryOfVoltageLabel code "0..1" o--> Attributes code "0..1" o--> categoryOfVoltageType </pre>		
Type	extension of categoryOfVoltageLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • categoryOfVoltageLabel • categoryOfVoltageType 		
Attributes	QName	Type	Use
	code	categoryOfVoltageCode	required

Complex Type Berth_categoryOfVoltageType

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Restricted values of categoryOfVoltage in Berth		
Diagram	<pre> classDiagram class Berth_categoryOfVoltageType { <<Base Type: Berth_categoryOfVoltageLabel>> <<Restricted values of categoryOfVoltage in Berth>> } class Berth_categoryOfVoltageLabel { <<Custom enum: Berth/categoryOfVoltage>> } Berth_categoryOfVoltageType "0..1" o--> Berth_categoryOfVoltageLabel Berth_categoryOfVoltageType "0..1" o--> Attributes Attributes "0..1" o--> code code "0..1" o--> Berth_categoryOfVoltageType code "0..1" o--> Berth_categoryOfVoltageLabel code "0..1" o--> Attributes code "0..1" o--> Berth_categoryOfVoltageType </pre>		
Type	extension of Berth_categoryOfVoltageLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • Berth_categoryOfVoltageLabel • Berth_categoryOfVoltageType 		
Attributes	QName	Type	Use
	code	Berth_categoryOfVoltageCode	required

Type	extension of Berth_categoryOfVoltageLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> Berth_categoryOfVoltageLabel Berth_categoryOfVoltageType 		
Used by	Element BerthType/categoryOfVoltage		
Attributes	QName	Type	Use
	code	Berth_categoryOfVoltageCode	required

Complex Type OnshorePowerFacility_categoryOfVoltageType

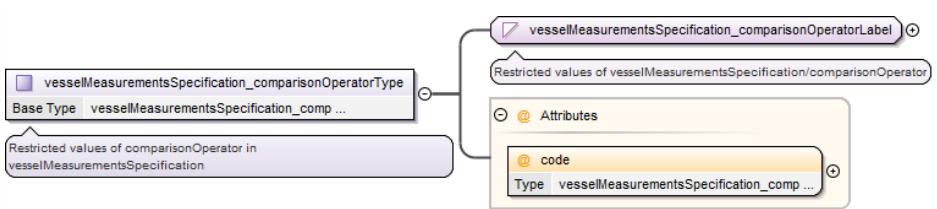
Namespace	http://www.ih0.int/S131/2.0		
Annotations	Restricted values of categoryOfVoltage in OnshorePowerFacility		
Diagram	<pre> classDiagram class OnshorePowerFacility_categoryOfVoltageType { <<Base Type>> <<OnshorePowerFacility_categoryOfVoltageLabel>> } class OnshorePowerFacility_categoryOfVoltageLabel { <<Custom enum: OnshorePowerFacility/categoryOfVoltage>> } OnshorePowerFacility_categoryOfVoltageType < -- OnshorePowerFacility_categoryOfVoltageLabel OnshorePowerFacility_categoryOfVoltageLabel < -- OnshorePowerFacility_categoryOfVoltageType OnshorePowerFacility_categoryOfVoltageLabel { <<@ Attributes>> code : OnshorePowerFacility_categoryOfVoltageCode } </pre>		
Type	extension of OnshorePowerFacility_categoryOfVoltageLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> OnshorePowerFacility_categoryOfVoltageLabel OnshorePowerFacility_categoryOfVoltageType 		
Used by	Element OnshorePowerFacilityType/categoryOfVoltage		
Attributes	QName	Type	Use
	code	OnshorePowerFacility_categoryOfVoltageCode	required

Complex Type comparisonOperatorType

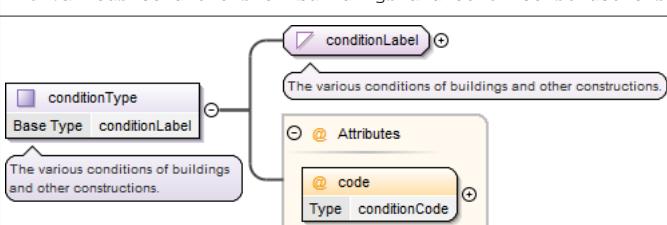
Namespace	http://www.ih0.int/S131/2.0		
Annotations	Numerical comparison.		
Diagram	<pre> classDiagram class comparisonOperatorType { <<Base Type>> <<comparisonOperatorLabel>> } class comparisonOperatorLabel { <<Numerical comparison.>> } comparisonOperatorType < -- comparisonOperatorLabel comparisonOperatorLabel < -- comparisonOperatorType comparisonOperatorLabel { <<@ Attributes>> code : 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

Complex Type vesselMeasurementsSpecification_comparisonOperatorType

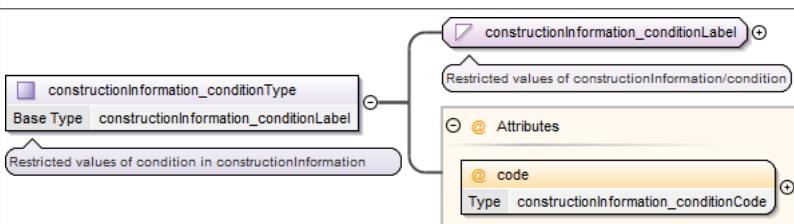
Namespace	http://www.ih0.int/S131/2.0		
Annotations	Restricted values of comparisonOperator in vesselMeasurementsSpecification		

Diagram							
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					

Complex Type conditionType

Namespace	http://www.ihc.int/S131/2.0						
Annotations	The various conditions of buildings and other constructions.						
Diagram							
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					

Complex Type constructionInformation_conditionType

Namespace	http://www.ihc.int/S131/2.0
Annotations	Restricted values of condition in constructionInformation
Diagram	
Type	extension of constructionInformation_conditionLabel
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • constructionInformation_conditionLabel • constructionInformation_conditionType
Used by	Element constructionInformationType/condition

Attributes	QName	Type	Use
	code	constructionInformation_conditionCode	required

Complex Type dateEndType

Namespace	http://www.ihc.int/S131/2.0
Annotations	The latest date on which an object (for example a buoy) will be present.
Diagram	<p>The diagram illustrates the UML class structure for the dateEndType complex type. It shows dateEndType as an extension of the base type S100_S100_TrimmedDate. The S100_S100_TrimmedDate class is defined by several built-in date types from the W3C XML schema, including gDay, gMonth, gYear, gMonthDay, gYearMonth, and date. Annotations provide context: 'The latest date on which an object (for example a buoy) will be present.' and 'built in date types from W3C XML schema, implementing S-100 truncated date'.</p>
Type	extension of S100_TrimmedDate
Type hierarchy	<ul style="list-style-type: none"> • S100_TrimmedDate <ul style="list-style-type: none"> • dateEndType
Used by	Elements fixedDateRangeType/dateEnd, periodicDateRangeType/dateEnd, surveyDateRangeType/dateEnd
Model	gDay gMonth gYear gMonthDay gYearMonth date

Complex Type dateFixedType

Namespace	http://www.ihc.int/S131/2.0
Annotations	The date of an event.
Diagram	<p>The diagram illustrates the UML class structure for the dateFixedType complex type. It shows dateFixedType as an extension of the base type S100_S100_TrimmedDate. The S100_S100_TrimmedDate class is defined by several built-in date types from the W3C XML schema, including gDay, gMonth, gYear, gMonthDay, gYearMonth, and date. Annotations provide context: 'The date of an event.' and 'built in date types from W3C XML schema, implementing S-100 truncated date'.</p>
Type	extension of S100_TrimmedDate
Type hierarchy	<ul style="list-style-type: none"> • S100_TrimmedDate <ul style="list-style-type: none"> • dateFixedType
Used by	Element NonStandardWorkingDayType/dateFixed
Model	gDay gMonth gYear gMonthDay gYearMonth date

Complex Type dateStartType

Namespace	http://www.ihc.int/S131/2.0
Annotations	The earliest date on which an object (for example a buoy) will be present.

Diagram	
Type	extension of S100_TuncatedDate
Type hierarchy	<ul style="list-style-type: none"> • S100_TuncatedDate <ul style="list-style-type: none"> • dateStartType
Used by	Elements fixedDateRangeType/dateStart, periodicDateRangeType/dateStart, surveyDateRangeType/dateStart
Model	gDay gMonth gYear gMonthDay gYearMonth date

Complex Type dayOfWeekType

Namespace	http://www.ihc.int/S131/2.0								
Annotations	Any one of seven days in a week.								
Diagram									
Type	extension of dayOfWeekLabel								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • dayOfWeekLabel • 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							

Complex Type timeIntervalsByDayOfWeek_dayOfWeekType

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Restricted values of dayOfWeek in timeIntervalsByDayOfWeek		
Diagram			
Type	extension of timeIntervalsByDayOfWeek_dayOfWeekLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • timeIntervalsByDayOfWeek_dayOfWeekLabel • timeIntervalsByDayOfWeek_dayOfWeekType 		
Used by	Element timeIntervalsByDayOfWeekType/dayOfWeek		

Attributes	QName	Type	Use	
	code	timeIntervalsByDay-OfWeek_dayOfWeekCode	required	

Complex Type dynamicResourceType

Namespace	http://www.ihc.int/S131/2.0			
Annotations	Whether a vessel must use a shore-based or other resource to obtain up-to-date information.			
Diagram	<pre> classDiagram class dynamicResourceType { <<dynamicResourceLabel>> <<@ code>> } dynamicResourceType < -- dynamicResourceLabel dynamicResourceLabel --> note1: Whether a vessel must use a shore-based or other resource to obtain up-to-date information. dynamicResourceLabel --> attribute1: @ code attribute1 --> type1: dynamicResourceCode </pre>			
Type	extension of dynamicResourceLabel			
Type hierarchy	<ul style="list-style-type: none"> • xs:string • dynamicResourceLabel • dynamicResourceType 			
Attributes	QName	Type	Use	
	code	dynamicResourceCode	required	

Complex Type weatherResource_dynamicResourceType

Namespace	http://www.ihc.int/S131/2.0			
Annotations	Restricted values of dynamicResource in weatherResource			
Diagram	<pre> classDiagram class weatherResource_dynamicResourceType { <<weatherResource_dynamicResourceLabel>> <<@ code>> } weatherResource_dynamicResourceType < -- weatherResource_dynamicResourceLabel weatherResource_dynamicResourceLabel --> note1: Restricted values of dynamicResource in weatherResource weatherResource_dynamicResourceLabel --> attribute1: @ code attribute1 --> type1: weatherResource_dynamicResourceCode </pre>			
Type	extension of weatherResource_dynamicResourceLabel			
Type hierarchy	<ul style="list-style-type: none"> • xs:string • weatherResource_dynamicResourceLabel • weatherResource_dynamicResourceType 			
Used by	Element weatherResourceType/dynamicResource			
Attributes	QName	Type	Use	
	code	weatherResource_dynamicResourceCode	required	

Complex Type firefightingServiceType

Namespace	http://www.ihc.int/S131/2.0			
Annotations	Services for combating fires, provided by different methods.			
Diagram	<pre> classDiagram class firefightingServiceType { <<firefightingServiceLabel>> <<@ code>> } firefightingServiceType < -- firefightingServiceLabel firefightingServiceLabel --> note1: Services for combating fires, provided by different methods. firefightingServiceLabel --> attribute1: @ code attribute1 --> type1: firefightingServiceCode </pre>			

Type	extension of firefightingServiceLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string firefightingServiceLabel firefightingServiceType 		
Attributes	QName	Type	Use
	code	firefightingServiceCode	required

Complex Type AvailablePortServices_firefightingServiceType

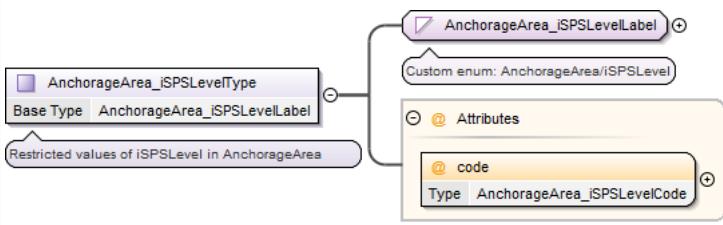
Namespace	http://www.ihc.int/S131/2.0		
Annotations	Restricted values of firefightingService in AvailablePortServices		
Diagram	<pre> classDiagram AvailablePortServices_firefightingServiceType < -- AvailablePortServices_firefightingServiceLabel AvailablePortServices_firefightingServiceType { @code : AvailablePortServices_firefightingServiceCode } </pre>		
Type	extension of AvailablePortServices_firefightingServiceLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string AvailablePortServices_firefightingServiceLabel AvailablePortServices_firefightingServiceType 		
Used by	Element AvailablePortServicesType/firefightingService		
Attributes	QName	Type	Use
	code	AvailablePortServices_firefightingServiceCode	required

Complex Type iSPSLevelType

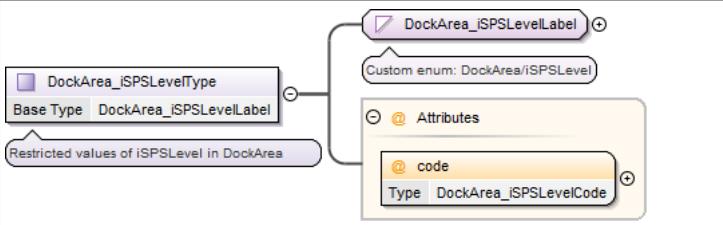
Namespace	http://www.ihc.int/S131/2.0		
Annotations	Classification of ISPS security levels according to the ISPS Code.		
Diagram	<pre> classDiagram iSPSLevelType < -- iSPSLevelLabel iSPSLevelType { @code : iSPSLevelCode } </pre>		
Type	extension of iSPSLevelLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string iSPSLevelLabel iSPSLevelType 		
Attributes	QName	Type	Use
	code	iSPSLevelCode	required

Complex Type AnchorageArea_iSPSLevelType

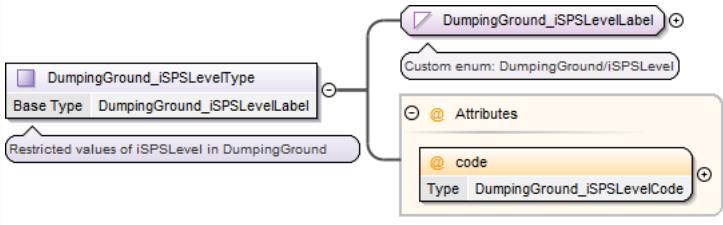
Namespace	http://www.ihc.int/S131/2.0		
Annotations	Restricted values of iSPSLevel in AnchorageArea		

Diagram							
Type	extension of AnchorageArea_iSPSLevelLabel						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • AnchorageArea_iSPSLevelLabel • AnchorageArea_iSPSLevelType 						
Used by	Element AnchorageAreaType/iSPSLevel						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>code</td><td>AnchorageArea_iSPSLevelCode</td><td>required</td></tr> </tbody> </table>	QName	Type	Use	code	AnchorageArea_iSPSLevelCode	required
QName	Type	Use					
code	AnchorageArea_iSPSLevelCode	required					

Complex Type DockArea_iSPSLevelType

Namespace	http://www.aho.int/S131/2.0								
Annotations	Restricted values of iSPSLevel in DockArea								
Diagram									
Type	extension of DockArea_iSPSLevelLabel								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • DockArea_iSPSLevelLabel • DockArea_iSPSLevelType 								
Used by	Element DockAreaType/iSPSLevel								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>code</td><td>DockArea_iSPSLevelCode</td><td>required</td></tr> </tbody> </table>			QName	Type	Use	code	DockArea_iSPSLevelCode	required
QName	Type	Use							
code	DockArea_iSPSLevelCode	required							

Complex Type DumpingGround_iSPSLevelType

Namespace	http://www.aho.int/S131/2.0		
Annotations	Restricted values of iSPSLevel in DumpingGround		
Diagram			
Type	extension of DumpingGround_iSPSLevelLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • DumpingGround_iSPSLevelLabel • DumpingGround_iSPSLevelType 		
Used by	Element DumpingGroundType/iSPSLevel		

Attributes	QName	Type	Use
	code	DumpingGround_iSPSLevelCode	required

Complex Type HarbourAreaAdministrative_iSPSLevelType

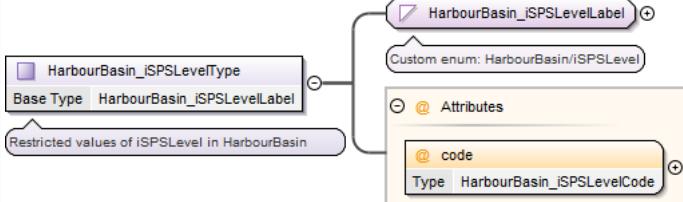
Namespace	http://www.ihodata.com/S131/2.0		
Annotations	Restricted values of iSPSLevel in HarbourAreaAdministrative		
Diagram	<pre> classDiagram HarbourAreaAdministrative_iSPSLevelType < -- HarbourAreaAdministrative_iSPSLevelLabel HarbourAreaAdministrative_iSPSLevelType { @code : HarbourAreaAdministrative_iSPSLevelCode } </pre>		
Type	extension of HarbourAreaAdministrative_iSPSLevelLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • HarbourAreaAdministrative_iSPSLevelLabel • HarbourAreaAdministrative_iSPSLevelType 		
Used by	Element HarbourAreaAdministrativeType/iSPSLevel		
Attributes	QName	Type	Use
	code	HarbourAreaAdministrative_iSPSLevelCode	required

Complex Type HarbourAreaSection_iSPSLevelType

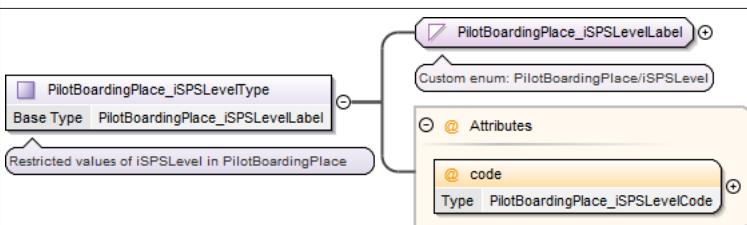
Namespace	http://www.ihodata.com/S131/2.0		
Annotations	Restricted values of iSPSLevel in HarbourAreaSection		
Diagram	<pre> classDiagram HarbourAreaSection_iSPSLevelType < -- HarbourAreaSection_iSPSLevelLabel HarbourAreaSection_iSPSLevelType { @code : HarbourAreaSection_iSPSLevelCode } </pre>		
Type	extension of HarbourAreaSection_iSPSLevelLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • HarbourAreaSection_iSPSLevelLabel • HarbourAreaSection_iSPSLevelType 		
Used by	Element HarbourAreaSectionType/iSPSLevel		
Attributes	QName	Type	Use
	code	HarbourAreaSection_iSPSLevelCode	required

Complex Type HarbourBasin_iSPSLevelType

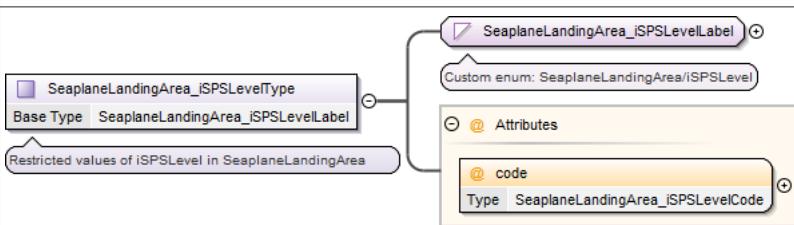
Namespace	http://www.ihodata.com/S131/2.0		
Annotations	Restricted values of iSPSLevel in HarbourBasin		

Diagram							
Type	extension of HarbourBasin_iSPSLevelLabel						
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> • HarbourBasin_iSPSLevelLabel • HarbourBasin_iSPSLevelType 						
Used by	Element HarbourBasinType/iSPSLevel						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>code</td><td>HarbourBasin_iSPSLevelCode</td><td>required</td></tr> </tbody> </table>	QName	Type	Use	code	HarbourBasin_iSPSLevelCode	required
QName	Type	Use					
code	HarbourBasin_iSPSLevelCode	required					

Complex Type PilotBoardingPlace_iSPSLevelType

Namespace	http://www.ihc.int/S131/2.0								
Annotations	Restricted values of iSPSLevel in PilotBoardingPlace								
Diagram									
Type	extension of PilotBoardingPlace_iSPSLevelLabel								
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> • PilotBoardingPlace_iSPSLevelLabel • PilotBoardingPlace_iSPSLevelType 								
Used by	Element PilotBoardingPlaceType/iSPSLevel								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>code</td><td>PilotBoardingPlace_iSPSLevelCode</td><td>required</td></tr> </tbody> </table>			QName	Type	Use	code	PilotBoardingPlace_iSPSLevelCode	required
QName	Type	Use							
code	PilotBoardingPlace_iSPSLevelCode	required							

Complex Type SeaplaneLandingArea_iSPSLevelType

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Restricted values of iSPSLevel in SeaplaneLandingArea		
Diagram			
Type	extension of SeaplaneLandingArea_iSPSLevelLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> • SeaplaneLandingArea_iSPSLevelLabel • SeaplaneLandingArea_iSPSLevelType 		
Used by	Element SeaplaneLandingAreaType/iSPSLevel		

Attributes	QName	Type	Use
	code	SeaplaneLandingArea_iSPSLevelCode	required

Complex Type TurningBasin_iSPSLevelType

Namespace	http://www.ihc.int/S131/2.0								
Annotations	Restricted values of iSPSLevel in TurningBasin								
Diagram	<pre> classDiagram class TurningBasin_iSPSLevelType { <<TurningBasin_iSPSLevelType>> <<Base Type: TurningBasin_iSPSLevelLabel>> <<Restricted values of iSPSLevel in TurningBasin>> } class TurningBasin_iSPSLevelLabel { <<TurningBasin_iSPSLevelLabel>> <<Custom enum: TurningBasin/iSPSLevel>> } TurningBasin_iSPSLevelType "0..1" o--> TurningBasin_iSPSLevelLabel TurningBasin_iSPSLevelType "0..1" o--> Attributes Attributes "0..1" o--> code code "0..1" o--> TurningBasin_iSPSLevelCode </pre>								
Type	extension of TurningBasin_iSPSLevelLabel								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • TurningBasin_iSPSLevelLabel • TurningBasin_iSPSLevelType 								
Used by	Element TurningBasinType/iSPSLevel								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>TurningBasin_iSPSLevelCode</td> <td>required</td> </tr> </tbody> </table>			QName	Type	Use	code	TurningBasin_iSPSLevelCode	required
QName	Type	Use							
code	TurningBasin_iSPSLevelCode	required							

Complex Type logicalConnectivesType

Namespace	http://www.ihc.int/S131/2.0								
Annotations	Expresses whether all the constraints described by its co-attributes must be satisfied, or only one such constraint need be satisfied.								
Diagram	<pre> classDiagram class logicalConnectivesType { <<logicalConnectivesType>> <<Base Type: logicalConnectivesLabel>> <<Expresses whether all the constraints described by its co-attributes must be satisfied, or only one such constraint...>> } class logicalConnectivesLabel { <<logicalConnectivesLabel>> } logicalConnectivesType "0..1" o--> logicalConnectivesLabel logicalConnectivesType "0..1" o--> Attributes Attributes "0..1" o--> code code "0..1" o--> logicalConnectivesCode </pre>								
Type	extension of logicalConnectivesLabel								
Type hierarchy	<ul style="list-style-type: none"> • xs:string <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							

Complex Type Applicability_logicalConnectivesType

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Restricted values of logicalConnectives in Applicability		
Diagram	<pre> classDiagram class Applicability_logicalConnectivesType { <<Applicability_logicalConnectivesType>> <<Base Type: Applicability_logicalConnectivesLabel>> <<Restricted values of logicalConnectives in Applicability>> } class Applicability_logicalConnectivesLabel { <<Applicability_logicalConnectivesLabel>> <<Custom enum: Applicability/logicalConnectives>> } Applicability_logicalConnectivesType "0..1" o--> Applicability_logicalConnectivesLabel Applicability_logicalConnectivesType "0..1" o--> Attributes Attributes "0..1" o--> code code "0..1" o--> Applicability_logicalConnectivesCode </pre>		

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	QName	Type	Use
	code	Applicability_logicalConnectivesCode	required

Complex Type medicalServiceType

Namespace	http://www.aho.int/S131/2.0		
Annotations	Services for the prevention or treatment of, or response to injury or illness.		
Diagram	<pre> classDiagram class medicalServiceType { <<Services for the prevention or treatment of, or response to injury or illness.>> @ code <<Services for the prevention or treatment of, or response to injury or illness.>> } medicalServiceType < -- medicalServiceLabel medicalServiceLabel <<Services for the prevention or treatment of, or response to injury or illness.>> @ code { <<Services for the prevention or treatment of, or response to injury or illness.>> } </pre>		
Type	extension of medicalServiceLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string • medicalServiceLabel • medicalServiceType 		
Attributes	QName	Type	Use
	code	medicalServiceCode	required

Complex Type AvailablePortServices_medicalServiceType

Namespace	http://www.aho.int/S131/2.0		
Annotations	Restricted values of medicalService in AvailablePortServices		
Diagram	<pre> classDiagram class AvailablePortServices_medicalServiceType { <<Restricted values of medicalService in AvailablePortServices>> @ code <<Custom enum: AvailablePortServices/medicalService>> } AvailablePortServices_medicalServiceType < -- AvailablePortServices_medicalService ... </pre>		
Type	extension of AvailablePortServices_medicalServiceLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string • AvailablePortServices_medicalServiceLabel • AvailablePortServices_medicalServiceType 		
Used by	Element AvailablePortServicesType/medicalService		
Attributes	QName	Type	Use
	code	AvailablePortServices_medicalServiceCode	required

Complex Type membershipType

Namespace	http://www.aho.int/S131/2.0		
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Annotations	Indicates whether a vessel is included or excluded from the regulation/restriction/recommendation/nautical information.								
Diagram	<pre> classDiagram class membershipType { <<Base Type: membershipLabel>> } class membershipLabel { <<Indicates whether a vessel is included or excluded from the regulation/restriction/recommendation/nautical information.>> @ code : membershipCode } </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							

Complex Type methodOfSecuringType

Namespace	http://www.ihoint/S131/2.0								
Annotations	The process, arrangement or scheme of attachment used to secure a vessel to a berth.								
Diagram	<pre> classDiagram class methodOfSecuringType { <<Base Type: methodOfSecuringLabel>> } class methodOfSecuringLabel { <<The process, arrangement or scheme of attachment used to secure a vessel to a berth.>> @ code : methodOfSecuringCode } </pre>								
Type	extension of methodOfSecuringLabel								
Type hierarchy	<ul style="list-style-type: none"> • xs:string • methodOfSecuringLabel • methodOfSecuringType 								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>methodOfSecuringCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	methodOfSecuringCode	required		
QName	Type	Use							
code	methodOfSecuringCode	required							

Complex Type Berth_methodOfSecuringType

Namespace	http://www.ihoint/S131/2.0		
Annotations	Restricted values of methodOfSecuring in Berth		
Diagram	<pre> classDiagram class Berth_methodOfSecuringType { <<Base Type: Berth_methodOfSecuringLabel>> } class Berth_methodOfSecuringLabel { <<Custom enum: Berth/methodOfSecuring>> @ code : Berth_methodOfSecuringCode } </pre>		
Type	extension of Berth_methodOfSecuringLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string • Berth_methodOfSecuringLabel • Berth_methodOfSecuringType 		
Used by	Element	BerthType/methodOfSecuring	

Attributes	QName	Type	Use
	code	Berth_methodOfSecuringCode	required

Complex Type nameUsageType

Namespace	http://www.aho.int/S131/2.0		
Annotations	Classification of the type and display level of the name of a feature in an end-user system.		
Diagram	<pre> classDiagram class nameUsageType { <<Base Type: nameUsageLabel>> <<Classification of the type and display level of the name of a feature in an end-user system.>> <<@ code</>> <<Type: nameUsageCode>> } nameUsageType < -- nameUsageLabel </pre>		
Type	extension of nameUsageLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string • nameUsageLabel • nameUsageType 		
Attributes	QName	Type	Use
	code	nameUsageCode	required

Complex Type featureName_nameUsageType

Namespace	http://www.aho.int/S131/2.0		
Annotations	Restricted values of nameUsage in featureName		
Diagram	<pre> classDiagram class featureName_nameUsageType { <<Base Type: featureName_nameUsageLabel>> <<Restricted values of nameUsage in featureName>> <<@ code</>> <<Type: featureName_nameUsageCode>> } featureName_nameUsageType < -- featureName_nameUsageLabel </pre>		
Type	extension of featureName_nameUsageLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string • featureName_nameUsageLabel • featureName_nameUsageType 		
Used by	Element featureNameType/nameUsage		
Attributes	QName	Type	Use
	code	featureName_nameUsageCode	required

Complex Type onlineFunctionType

Namespace	http://www.aho.int/S131/2.0		
Annotations	Code for function performed by the online resource.		
Diagram	<pre> classDiagram class onlineFunctionType { <<Base Type: onlineFunctionLabel>> <<Code for function performed by the online resource.>> <<@ code</>> <<Type: onlineFunctionCode>> } onlineFunctionType < -- onlineFunctionLabel </pre>		

Type	extension of onlineFunctionLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string • onlineFunctionLabel • onlineFunctionType 		
Attributes	QName	Type	Use
	code	onlineFunctionCode	required

Complex Type onlineResource_onlineFunctionType

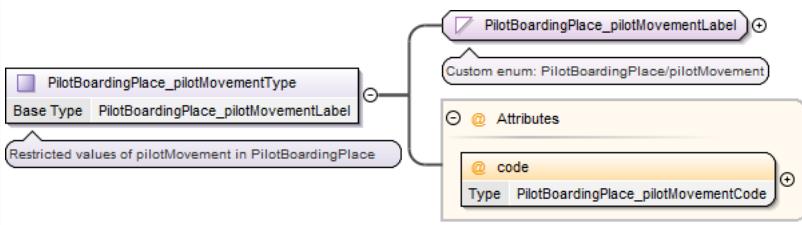
Namespace	http://www.ih0.int/S131/2.0		
Annotations	Restricted values of onlineFunction in onlineResource		
Diagram	<pre> graph LR subgraph "onlineResource_onlineFunctionType" direction TB A[onlineResource_onlineFunctionType] --- B[Base Type onlineResource_onlineFunctionLabel] B --- C[onlineResource_onlineFunctionLabel] C --- D[Restricted values of onlineFunction in onlineResource] C --- E[Attributes] E --- F[code] E --- G[description] end </pre>		
Type	extension of onlineResource_onlineFunctionLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string • onlineResource_onlineFunctionLabel • onlineResource_onlineFunctionType 		
Used by	Element onlineResourceType/onlineFunction		
Attributes	QName	Type	Use
	code	onlineResource_onlineFunctionCode	required

Complex Type pilotMovementType

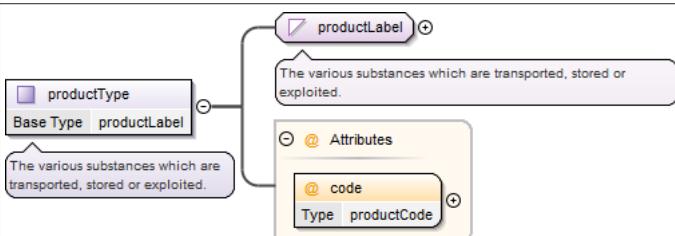
Namespace	http://www.ih0.int/S131/2.0		
Annotations	Classification of pilot activity by arrival, departure, or change of pilot. It may also describe the place where the pilot's advice begins, ends, or is transferred to a different pilot.		
Diagram	<pre> graph LR subgraph "pilotMovementType" direction TB A[pilotMovementType] --- B[Base Type pilotMovementLabel] B --- C[pilotMovementLabel] C --- D[Classification of pilot activity by arrival, departure, or change of pilot. It may also describe the place where the...] C --- E[Attributes] E --- F[code] E --- G[description] end </pre>		
Type	extension of pilotMovementLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pilotMovementLabel • pilotMovementType 		
Attributes	QName	Type	Use
	code	pilotMovementCode	required

Complex Type PilotBoardingPlace_pilotMovementType

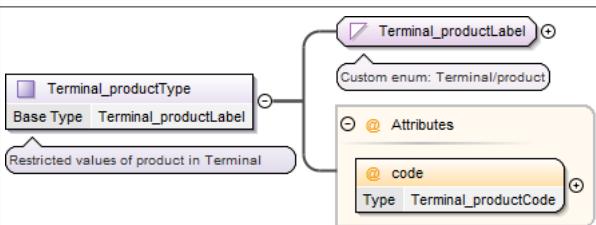
Namespace	http://www.ih0.int/S131/2.0		
Annotations	Restricted values of pilotMovement in PilotBoardingPlace		

Diagram							
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					

Complex Type productType

Namespace	http://www.aho.int/S131/2.0						
Annotations	The various substances which are transported, stored or exploited.						
Diagram							
Type	extension of productLabel						
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • productLabel • productType 						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>code</td><td>productCode</td><td>required</td></tr> </tbody> </table>	QName	Type	Use	code	productCode	required
QName	Type	Use					
code	productCode	required					

Complex Type Terminal_productType

Namespace	http://www.aho.int/S131/2.0
Annotations	Restricted values of product in Terminal
Diagram	
Type	extension of Terminal_productLabel
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • Terminal_productLabel • Terminal_productType
Used by	Element TerminalType/product

Attributes	QName	Type	Use
	code	Terminal_productCode	required

Complex Type qualityOfHorizontalMeasurementType

Namespace	http://www.ihc.int/S131/2.0		
Annotations	The degree of reliability attributed to a position.		
Diagram	<pre> classDiagram class qualityOfHorizontalMeasurementType { <<qualityOfHorizontalMeasurementLabel>> @ code } qualityOfHorizontalMeasurementType < -- qualityOfHorizontalMeasurementLabel note over qualityOfHorizontalMeasurementType : The degree of reliability attributed to a position. note over @ code : 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

Complex Type SpatialQuality_qualityOfHorizontalMeasurementType

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Restricted values of qualityOfHorizontalMeasurement in SpatialQuality		
Diagram	<pre> classDiagram class SpatialQuality_qualityOfHorizontalMeasurementType { <<SpatialQuality_qualityOfHorizontalMeasurementLabel>> @ code } SpatialQuality_qualityOfHorizontalMeasurementType < -- SpatialQuality_qualityOfHorizontalMeasurementLabel note over SpatialQuality_qualityOfHorizontalMeasurementType : Restricted values of qualityOfHorizontalMeasurement in SpatialQuality note over @ code : SpatialQuality_qualityOfHorizontalMeasurementCode note over <<SpatialQuality_qualityOfHorizontalMeasurementLabel>> : Custom enum: SpatialQuality/qualityOfHorizontalMeasurement </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

Complex Type repairServiceType

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Work or maintenance activities whereby vessels or equipment are restored to working order, renovated, or improved in condition.		
Diagram	<pre> classDiagram class repairServiceType { <<repairServiceLabel>> @ code } repairServiceType < -- repairServiceLabel note over repairServiceType : Work or maintenance activities whereby vessels or equipment are restored to working order, renovated, or improved in... note over <<repairServiceLabel>> : Work or maintenance activities whereby vessels or equipment are restored to working order, renovated, or improved in... </pre>		

Type	extension of repairServiceLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • repairServiceLabel • repairServiceType 		
Attributes	QName	Type	Use
	code	repairServiceCode	required

Complex Type AvailablePortServices_repairServiceType

Namespace	http://www.oho.int/S131/2.0		
Annotations	Restricted values of repairService in AvailablePortServices		
Diagram	<pre> classDiagram AvailablePortServices_repairServiceType < -- AvailablePortServices_repairServiceLabel AvailablePortServices_repairServiceLabel < -- Custom enum: AvailablePortServices/repairService AvailablePortServices_repairServiceLabel < -- Attributes AvailablePortServices_repairServiceLabel < -- code : AvailablePortServices_repairServiceCode </pre>		
Type	extension of AvailablePortServices_repairServiceLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • AvailablePortServices_repairServiceLabel • AvailablePortServices_repairServiceType 		
Used by	Element AvailablePortServicesType/repairService		
Attributes	QName	Type	Use
	code	AvailablePortServices_repairServiceCode	required

Complex Type reportedDateType

Namespace	http://www.oho.int/S131/2.0		
Annotations	The date that the item was observed, done, or investigated.		
Diagram	<pre> classDiagram reportedDateType < -- S100_S100_TruncatedDate (extension base) 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>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		

Complex Type shipSanitationControlType

Namespace	http://www.oho.int/S131/2.0		
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Annotations	Application of measures to ensure that a vessel is free of disease and disease risks, or issue of completion or exemption certificates for such measures.						
Diagram	<pre> graph LR shipSanitationControlType[shipSanitationControlType Base Type: shipSanitationControlLabel] --> shipSanitationControlLabel[shipSanitationControlLabel] shipSanitationControlLabel --> description[Application of measures to ensure that a vessel is free of disease and disease risks, or issue of completion or...] shipSanitationControlLabel --> attributes[Attributes] attributes --> code[code Type: shipSanitationControlCode] </pre>						
Type	extension of shipSanitationControlLabel						
Type hierarchy	<ul style="list-style-type: none"> xs:string shipSanitationControlLabel shipSanitationControlType 						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>shipSanitationControlCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	shipSanitationControlCode	required
QName	Type	Use					
code	shipSanitationControlCode	required					

Complex Type AvailablePortServices_shipSanitationControlType

Namespace	http://www.ihoint/S131/2.0						
Annotations	Restricted values of shipSanitationControl in AvailablePortServices						
Diagram	<pre> graph LR AvailablePortServices_shipSanitationControlType[AvailablePortServices_shipSanitationControlType Base Type: AvailablePortServices_shipSanitationControlLabel] --> AvailablePortServices_shipSanitationControlLabel[AvailablePortServices_shipSanitationControlLabel] AvailablePortServices_shipSanitationControlLabel --> description[Restricted values of shipSanitationControl in AvailablePortServices] AvailablePortServices_shipSanitationControlLabel --> attributes[Attributes] attributes --> code[code Type: AvailablePortServices_shipSanitationControlCode] </pre>						
Type	extension of AvailablePortServices_shipSanitationControlLabel						
Type hierarchy	<ul style="list-style-type: none"> xs:string AvailablePortServices_shipSanitationControlLabel AvailablePortServices_shipSanitationControlType 						
Used by	Element AvailablePortServicesType/shipSanitationControl						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>AvailablePortServices_shipSanitationControlCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	AvailablePortServices_shipSanitationControlCode	required
QName	Type	Use					
code	AvailablePortServices_shipSanitationControlCode	required					

Complex Type sourceTypeType

Namespace	http://www.ihoint/S131/2.0
Annotations	Type of the source.
Diagram	<pre> graph LR sourceTypeType[sourceTypeType Base Type: sourceTypeLabel] --> sourceTypeLabel[sourceTypeLabel] sourceTypeLabel --> description[Type of the source.] sourceTypeLabel --> attributes[Attributes] attributes --> code[code Type: sourceTypeCode] </pre>
Type	extension of sourceTypeLabel
Type hierarchy	<ul style="list-style-type: none"> xs:string sourceTypeLabel sourceTypeType

Attributes	QName	Type	Use	
	code	sourceTypeCode	required	

Complex Type sourceIndication_sourceTypeType

Namespace	http://www.ihc.int/S131/2.0								
Annotations	Restricted values of sourceType in sourceIndication								
Diagram	<pre> classDiagram sourceIndication_sourceTypeLabel < -- sourceIndication_sourceTypeType sourceIndication_sourceTypeLabel @> RestrictedValues: Restricted values of sourceType in sourceIndication sourceIndication_sourceTypeType @> RestrictedValues: Restricted values of sourceIndication/sourceType sourceIndication_sourceTypeLabel < -- Attribute: @ Attributes Attribute < -- code: Type sourceIndication_sourceTypeCode </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> <th></th> </tr> </thead> <tbody> <tr> <td>code</td> <td>sourceIndication_sourceTypeCode</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		code	sourceIndication_sourceTypeCode	required	
QName	Type	Use							
code	sourceIndication_sourceTypeCode	required							

Complex Type supplyServiceType

Namespace	http://www.ihc.int/S131/2.0								
Annotations	Classification of services for the provision of materials, goods, utilities, or personal services to vessels, passengers, or crew.								
Diagram	<pre> classDiagram class supplyServiceType { <<Base Type>> supplyServiceLabel } class supplyServiceLabel { <<Classification of services for the provision of materials, goods, utilities, or personal services to vessels,...>> @Attributes code } supplyServiceType "0..1" o-- supplyServiceLabel supplyServiceLabel --> Annotation { Description: Classification of services for the provision of materials, goods, utilities, or personal services to vessels, passengers, or crew. Attribute: @code Type: supplyServiceCode } </pre>								
Type	extension of supplyServiceLabel								
Type hierarchy	<ul style="list-style-type: none"> • xs:string • supplyServiceLabel • supplyServiceType 								
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>supplyServiceCode</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		code	supplyServiceCode	required	
QName	Type	Use							
code	supplyServiceCode	required							

Complex Type AvailablePortServices_supplyServiceType

Namespace	http://www.ihc.int/S131/2.0
Annotations	Restricted values of supplyService in AvailablePortServices
Diagram	<pre> classDiagram AvailablePortServices_supplyServiceType < -- AvailablePortServices_supplyServiceLabel AvailablePortServices_supplyServiceLabel >--> "Custom enum: AvailablePortServices/supplyService" AvailablePortServices_supplyServiceLabel --> Attributes Attributes --> code </pre> <p>The diagram illustrates the UML class AvailablePortServices_supplyServiceType serving as the base type for AvailablePortServices_supplyServiceLabel. An annotation on AvailablePortServices_supplyServiceLabel points to a custom enum definition named 'AvailablePortServices/supplyService'. This enum is further detailed by an '@ Attributes' block, which contains an entry for '@ code' with its type specified as AvailablePortServices_supplyServiceCode.</p>

Type	extension of AvailablePortServices_supplyServiceLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • AvailablePortServices_supplyServiceLabel • AvailablePortServices_supplyServiceType 		
Used by	Element AvailablePortServicesType/supplyService		
Attributes	QName	Type	Use
	code	AvailablePortServices_supplyServiceCode	required

Complex Type technicalPortServiceType

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Services for the adjustment of vessel equipment or for assessments pertaining to cargo, compliance with regulations, safety, or security.		
Diagram	<pre> classDiagram class technicalPortServiceType { <<Services for the adjustment of vessel equipment or for assessments pertaining to cargo, compliance with regulations,...>> <<Base Type technicalPortServiceLabel>> } technicalPortServiceType "0..1" -- "1" @code : code note over technicalPortServiceType: Services for the adjustment of vessel equipment or for assessments pertaining to cargo, compliance with regulations, ... note over technicalPortServiceType: Base Type technicalPortServiceLabel note over code: @ code note over code: Type technicalPortServiceCode </pre>		
Type	extension of technicalPortServiceLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • technicalPortServiceLabel • technicalPortServiceType 		
Attributes	QName	Type	Use
	code	technicalPortServiceCode	required

Complex Type AvailablePortServices_technicalPortServiceType

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Restricted values of technicalPortService in AvailablePortServices		
Diagram	<pre> classDiagram class AvailablePortServices_technicalPortServiceType { <<Custom enum: AvailablePortServices/technicalPortService>> <<Base Type AvailablePortServices_technicalPortS ...>> } AvailablePortServices_technicalPortServiceType "0..1" -- "1" @code : code note over AvailablePortServices_technicalPortServiceType: Restricted values of technicalPortService in AvailablePortServices note over AvailablePortServices_technicalPortServiceType: Base Type AvailablePortServices_technicalPortS ... note over code: @ code note over code: Type AvailablePortServices_technicalPortS ... </pre>		
Type	extension of AvailablePortServices_technicalPortServiceLabel		
Type hierarchy	<ul style="list-style-type: none"> • xs:string <ul style="list-style-type: none"> • AvailablePortServices_technicalPortServiceLabel • AvailablePortServices_technicalPortServiceType 		
Used by	Element AvailablePortServicesType/technicalPortService		
Attributes	QName	Type	Use
	code	AvailablePortServices_technicalPortServiceCode	required

Complex Type telecommunicationServiceType

Namespace	http://www.ihc.int/S131/2.0		
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Annotations	Classification of methods of communication over a distance by electrical, electronic, or electromagnetic means.						
Diagram	<pre> classDiagram telecommunicationServiceType "0..1" --> "1..1" telecommunicationServiceLabel telecommunicationServiceLabel "0..1" --> "1..1" @code @code "0..1" --> "1..1" telecommunicationServiceCode telecommunicationServiceLabel <<Classification of methods of communication over a distance by electrical, electronic, or electromagnetic means.>> @code <<@ Attributes>> telecommunicationServiceCode <<Type telecommunicationServiceCode>> </pre>						
Type	extension of telecommunicationServiceLabel						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • telecommunicationServiceLabel • telecommunicationServiceType 						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>telecommunicationServiceCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	telecommunicationServiceCode	required
QName	Type	Use					
code	telecommunicationServiceCode	required					

Complex Type telecommunications_telecommunicationServiceType

Namespace	http://www.oho.int/S131/2.0						
Annotations	Restricted values of telecommunicationService in telecommunications						
Diagram	<pre> classDiagram telecommunications_telecommunicationServiceType "0..1" --> "1..1" telecommunications_telecommunicationServiceLabel telecommunications_telecommunicationServiceLabel "0..1" --> "1..1" @code @code "0..1" --> "1..1" telecommunications_telecommunicationServiceCode telecommunications_telecommunicationServiceLabel <<Restricted values of telecommunicationService in telecommunications>> @code <<@ Attributes>> telecommunications_telecommunicationServiceCode <<Type telecommunications_telecommunicationServiceCode>> </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	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>code</td> <td>telecommunications_telecommunicationServiceCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	code	telecommunications_telecommunicationServiceCode	required
QName	Type	Use					
code	telecommunications_telecommunicationServiceCode	required					

Complex Type textTypeType

Namespace	http://www.oho.int/S131/2.0
Annotations	The attribute from which a text string is derived.
Diagram	<pre> classDiagram textTypeType "0..1" --> "1..1" textTypeLabel textTypeLabel "0..1" --> "1..1" @code @code "0..1" --> "1..1" textTypeCode textTypeLabel <<The attribute from which a text string is derived.>> @code <<@ Attributes>> textTypeCode <<Type textTypeCode>> </pre>
Type	extension of textTypeLabel
Type hierarchy	<ul style="list-style-type: none"> • xs:string • textTypeLabel • textTypeType

Attributes	QName	Type	Use
	code	textTypeCode	required

Complex Type TextPlacement_textTypeType

Namespace	http://www.ihodata.com/S131/2.0		
Annotations	Restricted values of textType in TextPlacement		
Diagram	<pre> classDiagram class TextPlacement_textTypeType { <<TextPlacement_textTypeLabel>> <<@ Attributes>> <<@ code : TextPlacement_textTypeCode>> } </pre>		
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	QName	Type	Use
	code	TextPlacement_textTypeCode	required

Complex Type verticalDatumType

Namespace	http://www.ihodata.com/S131/2.0		
Annotations	The reference level used for expressing the vertical measurements of points on the earth's surface. Also called datum level, reference plane, levelling datum, datum for sounding reduction, datum for heights.		
Diagram	<pre> classDiagram class verticalDatumType { <<verticalDatumLabel>> <<@ Attributes>> <<@ code : verticalDatumCode>> } </pre>		
Type	extension of verticalDatumLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> verticalDatumLabel verticalDatumType 		
Attributes	QName	Type	Use
	code	verticalDatumCode	required

Complex Type SoundingDatum_verticalDatumType

Namespace	http://www.ihodata.com/S131/2.0		
Annotations	Restricted values of verticalDatum in SoundingDatum		
Diagram	<pre> classDiagram class SoundingDatum_verticalDatumType { <<SoundingDatum_verticalDatumLabel>> <<@ Attributes>> <<@ code : SoundingDatum_verticalDatumCode>> } </pre>		
Type	extension of SoundingDatum_verticalDatumLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> SoundingDatum_verticalDatumLabel SoundingDatum_verticalDatumType 		

Type	extension of SoundingDatum_verticalDatumLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> SoundingDatum_verticalDatumLabel SoundingDatum_verticalDatumType 		
Used by	Element SoundingDatumType/verticalDatum		
Attributes	QName	Type	Use
	code	SoundingDatum_verticalDatumCode	required

Complex Type VerticalDatumOfData_verticalDatumType

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Restricted values of verticalDatum in VerticalDatumOfData		
Diagram	<pre> classDiagram class VerticalDatumOfData_verticalDatumType { <<Base Type>> } class VerticalDatumOfData_verticalDatumLabel { <<VerticalDatumOfData_verticalDatumType>> <<Restricted values of verticalDatum in VerticalDatumOfData>> } attribute code : VerticalDatumOfData_verticalDatumCode </pre>		
Type	extension of VerticalDatumOfData_verticalDatumLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> VerticalDatumOfData_verticalDatumLabel VerticalDatumOfData_verticalDatumType 		
Used by	Element VerticalDatumOfDataType/verticalDatum		
Attributes	QName	Type	Use
	code	VerticalDatumOfData_verticalDatumCode	required

Complex Type vesselsCharacteristicsType

Namespace	http://www.ihc.int/S131/2.0		
Annotations	Characteristics of vessels.		
Diagram	<pre> classDiagram class vesselsCharacteristicsType { <<Base Type>> } class vesselsCharacteristicsLabel { <<vesselsCharacteristicsType>> <<Characteristics of vessels.>> } attribute code : vesselsCharacteristicsCode </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

Complex Type vesselMeasurementsSpecification_vesselsCharacteristicsType

Namespace	http://www.ihc.int/S131/2.0		
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Annotations	Restricted values of vesselsCharacteristics in vesselMeasurementsSpecification						
Diagram	<p>The diagram shows a UML class named <code>vesselMeasurementsSpecification_vesselsCharacteristicsType</code> with a note below it: "Base Type vesselMeasurementsSpecification_vess...". A relationship line connects this class to another element, with a note above it: "Restricted values of vesselsCharacteristics in vesselMeasurementsSpecification". To the right of the relationship, there is a callout box containing: <ul style="list-style-type: none"> <code>vesselMeasurementsSpecification_vesselsCharacteristicsLabel</code> (with a plus sign) Restricted values of vesselMeasurementsSpecification/vesselsCharacteristics @ Attributes <code>@ code</code> (with a plus sign) Type vesselMeasurementsSpecification_vess... </p>						
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>code</code></td> <td>vesselMeasurementsSpecification_vesselsCharacteristicsCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	<code>code</code>	vesselMeasurementsSpecification_vesselsCharacteristicsCode	required
QName	Type	Use					
<code>code</code>	vesselMeasurementsSpecification_vesselsCharacteristicsCode	required					

Complex Type vesselsCharacteristicsUnitType

Namespace	http://www.ihc.int/S131/2.0						
Annotations	The unit used for vessel characteristics attribute.						
Diagram	<p>The diagram shows a UML class named <code>vesselsCharacteristicsUnitType</code> with a note below it: "Base Type vesselsCharacteristicsUnitLabel". A relationship line connects this class to another element, with a note above it: "The unit used for vessel characteristics attribute". To the right of the relationship, there is a callout box containing: <ul style="list-style-type: none"> <code>vesselsCharacteristicsUnitLabel</code> (with a plus sign) The unit used for vessel characteristics attribute @ Attributes <code>@ code</code> (with a plus sign) Type vesselsCharacteristicsUnitCode </p>						
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>code</code></td> <td>vesselsCharacteristicsUnitCode</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	<code>code</code>	vesselsCharacteristicsUnitCode	required
QName	Type	Use					
<code>code</code>	vesselsCharacteristicsUnitCode	required					

Complex Type vesselMeasurementsSpecification_vesselsCharacteristicsUnitType

Namespace	http://www.ihc.int/S131/2.0
Annotations	Restricted values of vesselsCharacteristicsUnit in vesselMeasurementsSpecification
Diagram	<p>The diagram shows a UML class named <code>vesselMeasurementsSpecification_vesselsCharacteristicsUnitType</code> with a note below it: "Base Type vesselMeasurementsSpecification_vess...". A relationship line connects this class to another element, with a note above it: "Restricted values of vesselsCharacteristicsUnit in vesselMeasurementsSpecification". To the right of the relationship, there is a callout box containing: <ul style="list-style-type: none"> <code>vesselMeasurementsSpecification_vesselsCharacteristicsUnitLabel</code> (with a plus sign) Restricted values of vesselMeasurementsSpecification/vesselsCharacteristicsUnit @ Attributes <code>@ code</code> (with a plus sign) Type vesselMeasurementsSpecification_vess... </p>
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	Type	Use
	code	vesselMeasurementsSpecification_vesselsCharacteristicsUnitCode	required

Complex Type wasteDisposalServiceType

Namespace	http://www.ihodata.org/S131/2.0		
Annotations	Service for the reception of residues, polluting substances, refuse, oily wastes, and by-products from ships.		
Diagram	<pre> graph LR A[wasteDisposalServiceType] --> B[wasteDisposalServiceLabel] B --> C["Service for the reception of residues, polluting substances, refuse, oily wastes, and by-products from ships."] C --> D["@ code"] D --> E["wasteDisposalServiceCode"] </pre>		
Type	extension of wasteDisposalServiceLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string wasteDisposalServiceLabel wasteDisposalServiceType 		
Attributes	QName	Type	Use
	code	wasteDisposalServiceCode	required

Complex Type AvailablePortServices_wasteDisposalServiceType

Namespace	http://www.ihodata.org/S131/2.0		
Annotations	Restricted values of wasteDisposalService in AvailablePortServices		
Diagram	<pre> graph LR A[AvailablePortServices_wasteDisposalServiceType] --> B[AvailablePortServices_wasteDisposalServiceLabel] B --> C["Restricted values of wasteDisposalService in AvailablePortServices"] C --> D["@ code"] D --> E["AvailablePortServices_wasteDisposalServiceCode"] </pre>		
Type	extension of AvailablePortServices_wasteDisposalServiceLabel		
Type hierarchy	<ul style="list-style-type: none"> xs:string AvailablePortServices_wasteDisposalServiceLabel AvailablePortServices_wasteDisposalServiceType 		
Used by	Element AvailablePortServicesType/wasteDisposalService		
Attributes	QName	Type	Use
	code	AvailablePortServices_wasteDisposalServiceCode	required

Complex Type actionOrActivityType

Namespace	http://www.ihodata.org/S131/2.0		
Annotations	The action or activity of a vessel.		

Diagram	<pre> classDiagram class actionOrActivityType { <<The action or activity of a vessel.>> } class actionOrActivityLabel_Union { <<Union type for labels corresponding to extra codelist values.>> <<Only if an "extra" value is encoded>> } actionOrActivityType < -- actionOrActivityLabel_Union actionOrActivityLabel_Union { @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 																									
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td>code</td><td>actionOrActivityCode</td><td></td><td>optional</td><td></td></tr> <tr> <td>codelistType</td><td>codelistTypeType</td><td>openEnumeration</td><td>optional</td><td></td></tr> <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	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																										

Complex Type rxNCode_actionOrActivityType

Namespace	http://www.ihc.int/S131/2.0											
Annotations	Restricted values of actionOrActivity in rxNCode											
Diagram	<pre> classDiagram class rxNCode_actionOrActivityType { <<Restricted values of actionOrActivity in rxNCode>> } class rxNCode_actionOrActivityLabel { <<Restricted values of rxNCode/actionOrActivity>> } rxNCode_actionOrActivityType < -- rxNCode_actionOrActivityLabel 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 											
Used by	Element rxNCodeType/actionOrActivity											
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>rxNCode_actionOrActivityCode</td><td>required</td><td></td></tr> </tbody> </table>				QName	Type	Use		code	rxNCode_actionOrActivityCode	required	
QName	Type	Use										
code	rxNCode_actionOrActivityCode	required										

Complex Type categoryOfRxNType

Namespace	http://www.ihc.int/S131/2.0			
Annotations	The principal subject matter of regulations, restrictions, recommendations or nautical information.			

Diagram	<pre> classDiagram categoryOfRxNLabel_Union < -- categoryOfRxNType categoryOfRxNLabel_Union { @ code : categoryOfRxNCode @ codelistType : codelistTypeType @ otherValue : extraValueType } note over 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 																									
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>categoryOfRxNCode</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	categoryOfRxNCode		optional		codelistType	codelistTypeType	openEnumeration	optional		otherValue	extraValueType		optional		Only if an "extra" value is encoded				
QName	Type	Fixed	Use																							
code	categoryOfRxNCode		optional																							
codelistType	codelistTypeType	openEnumeration	optional																							
otherValue	extraValueType		optional																							
Only if an "extra" value is encoded																										

Complex Type rxNCode_categoryOfRxNType

Namespace	http://www.ihodata.org/S131/2.0								
Annotations	Restricted values of categoryOfRxN in rxNCode								
Diagram	<pre> classDiagram rxNCode_categoryOfRxNLabel < -- rxNCode_categoryOfRxNType rxNCode_categoryOfRxNLabel { @ code : rxNCode_categoryOfRxNCode } note over rxNCode_categoryOfRxNLabel: Restricted values of categoryOfRxN in rxNCode </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 								
Used by	Element rxNCodeType/categoryOfRxN								
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>rxNCode_categoryOfRxNCode</td><td>required</td><td></td></tr> </tbody> </table>	QName	Type	Use		code	rxNCode_categoryOfRxNCode	required	
QName	Type	Use							
code	rxNCode_categoryOfRxNCode	required							

Complex Type categoryOfVesselType

Namespace	http://www.ihodata.org/S131/2.0			
Annotations	Classification of vessels by function or use.			

Diagram

```

classDiagram
    class categoryOfVesselLabel_Union {
        <<Union type for labels corresponding to extra codelist values.>>
    }
    class categoryOfVesselType {
        <<Classification of vessels by function or use.>>
        Base Type: categoryOfVesselLabel_Union
    }
    categoryOfVesselLabel_Union "0..1" --> categoryOfVesselType
    categoryOfVesselLabel_Union "0..1" --> Attributes
    class Attributes {
        <<Attributes>>
        @ code : categoryOfVesselCode
        @ codelistType : codelistTypeType
        @ otherValue : extraValueType
    }
    categoryOfVesselLabel_Union "0..1" --> Attributes
    categoryOfVesselLabel_Union "0..1" --> OtherValue
    class OtherValue {
        <<Only if an "extra" value is encoded>>
    }
    categoryOfVesselLabel_Union "0..1" --> OtherValue
  
```

The diagram illustrates the UML class `categoryOfVesselLabel_Union`. It is a union type for labels corresponding to extra codelist values. It has three attributes: `code` (type `categoryOfVesselCode`), `codelistType` (type `codelistTypeType`, fixed as `openEnumeration`), and `otherValue` (type `extraValueType`). The `categoryOfVesselLabel_Union` class also has associations with `categoryOfVesselType` and `OtherValue`.

Type	extension of <code>categoryOfVesselLabel_Union</code>																				
Type hierarchy	<ul style="list-style-type: none"> <code>xs:anySimpleType</code> <ul style="list-style-type: none"> <code>categoryOfVesselLabel_Union</code> <code>categoryOfVesselType</code> 																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>code</code></td> <td><code>categoryOfVesselCode</code></td> <td></td> <td>optional</td> </tr> <tr> <td><code>codelistType</code></td> <td><code>codelistTypeType</code></td> <td><code>openEnumeration</code></td> <td>optional</td> </tr> <tr> <td><code>otherValue</code></td> <td><code>extraValueType</code></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td></td> <td></td> <td><code>Only if an "extra" value is encoded</code></td> </tr> </tbody> </table>	QName	Type	Fixed	Use	<code>code</code>	<code>categoryOfVesselCode</code>		optional	<code>codelistType</code>	<code>codelistTypeType</code>	<code>openEnumeration</code>	optional	<code>otherValue</code>	<code>extraValueType</code>		optional				<code>Only if an "extra" value is encoded</code>
QName	Type	Fixed	Use																		
<code>code</code>	<code>categoryOfVesselCode</code>		optional																		
<code>codelistType</code>	<code>codelistTypeType</code>	<code>openEnumeration</code>	optional																		
<code>otherValue</code>	<code>extraValueType</code>		optional																		
			<code>Only if an "extra" value is encoded</code>																		

Complex Type Applicability_categoryOfVesselType

Namespace	http://www.ihc.int/S131/2.0								
Annotations	Restricted values of categoryOfVessel in Applicability								
Diagram	<pre> classDiagram class Applicability_categoryOfVesselType { <<Base Type>> } class categoryOfVesselLabel_Union { <<Union type for labels corresponding to extra codelist values.>> <<@ Attributes>> <<@ code>> <<Type Applicability_categoryOfVesselCode>> } Applicability_categoryOfVesselType "1" -- "1" categoryOfVesselLabel_Union categoryOfVesselLabel_Union "1" -- "1" Attributes Attributes "1" -- "1" code </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							

Complex Type securitySafetyEmergencyServiceType

Namespace	http://www.ihc.int/S131/2.0
Annotations	Protective services, law enforcement, or services for responding to sudden danger.

Diagram	<p>The diagram illustrates the schema structure for the complex type <code>securitySafetyEmergencyServiceType</code>. It shows its inheritance from <code>securitySafetyEmergencyServiceLabel_Union</code>, which is itself an extension of <code>securitySafetyEmergencyServiceLabel_Union</code>. The <code>securitySafetyEmergencyServiceLabel_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>securitySafetyEmergencyServiceCode</code>), <code>codelistType</code> (type <code>codelistTypeType</code>, fixed <code>openEnumeration</code>), and <code>otherValue</code> (type <code>extraValueType</code>). A note indicates that <code>otherValue</code> is only present if an "extra" value is encoded.</p>																									
Type	extension of <code>securitySafetyEmergencyServiceLabel_Union</code>																									
Type hierarchy	<ul style="list-style-type: none"> • <code>xs:anySimpleType</code> <ul style="list-style-type: none"> • <code>securitySafetyEmergencyServiceLabel_Union</code> • <code>securitySafetyEmergencyServiceType</code> 																									
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>code</code></td><td><code>securitySafetyEmergencyServiceCode</code></td><td></td><td>optional</td><td></td></tr> <tr> <td><code>codelistType</code></td><td><code>codelistTypeType</code></td><td><code>openEnumeration</code></td><td>optional</td><td></td></tr> <tr> <td><code>otherValue</code></td><td><code>extraValueType</code></td><td></td><td>optional</td><td></td></tr> <tr> <td></td><td colspan="4">Only if an "extra" value is encoded</td></tr> </tbody> </table>	QName	Type	Fixed	Use		<code>code</code>	<code>securitySafetyEmergencyServiceCode</code>		optional		<code>codelistType</code>	<code>codelistTypeType</code>	<code>openEnumeration</code>	optional		<code>otherValue</code>	<code>extraValueType</code>		optional			Only if an "extra" value is encoded			
QName	Type	Fixed	Use																							
<code>code</code>	<code>securitySafetyEmergencyServiceCode</code>		optional																							
<code>codelistType</code>	<code>codelistTypeType</code>	<code>openEnumeration</code>	optional																							
<code>otherValue</code>	<code>extraValueType</code>		optional																							
	Only if an "extra" value is encoded																									

Complex Type AvailablePortServices_securitySafetyEmergencyServiceType

Namespace	http://www.ihc.int/S131/2.0								
Annotations	Restricted values of <code>securitySafetyEmergencyService</code> in <code>AvailablePortServices</code>								
Diagram	<p>The diagram illustrates the schema structure for the complex type <code>AvailablePortServices_securitySafetyEmergencyServiceType</code>. It shows its inheritance from <code>securitySafetyEmergencyServiceLabel_Union</code>, which is itself an extension of <code>securitySafetyEmergencyServiceLabel_Union</code>. The <code>securitySafetyEmergencyServiceLabel_Union</code> type is described as a union type for labels corresponding to extra codelist values. It contains one attribute: <code>@code</code> (type <code>AvailablePortServices_securitySafetyEmergencyServiceCode</code>).</p>								
Type	extension of <code>securitySafetyEmergencyServiceLabel_Union</code>								
Type hierarchy	<ul style="list-style-type: none"> • <code>xs:anySimpleType</code> <ul style="list-style-type: none"> • <code>securitySafetyEmergencyServiceLabel_Union</code> • <code>AvailablePortServices_securitySafetyEmergencyServiceType</code> 								
Used by	Element <code>AvailablePortServicesType/securitySafetyEmergencyService</code>								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td><code>code</code></td><td><code>AvailablePortServices_securitySafetyEmergencyServiceCode</code></td><td>optional</td><td></td></tr> </tbody> </table>	QName	Type	Use		<code>code</code>	<code>AvailablePortServices_securitySafetyEmergencyServiceCode</code>	optional	
QName	Type	Use							
<code>code</code>	<code>AvailablePortServices_securitySafetyEmergencyServiceCode</code>	optional							

Complex Type transportConnectionType

Namespace	http://www.ihc.int/S131/2.0
Annotations	Classification of services for the conveyance of persons and/or goods, according to means of transport, nature of path, or representative installation.

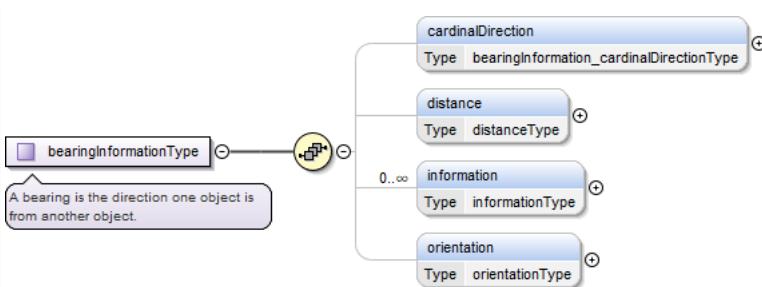
Diagram	<pre> classDiagram transportConnectionLabel_Union < -- transportConnectionType transportConnectionLabel_Union { <<Union type for labels corresponding to extra codelist values.>> <<Only if an "extra" value is encoded>> <<Attributes>> @code : transportConnectionCode @codelistType : codelistTypeType Fixed : openEnumeration @otherValue : extraValueType } </pre>																				
Type	extension of transportConnectionLabel_Union																				
Type hierarchy	<ul style="list-style-type: none"> • xs:anySimpleType <ul style="list-style-type: none"> • transportConnectionLabel_Union • transportConnectionType 																				
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>transportConnectionCode</td><td></td><td>optional</td></tr> <tr> <td>codelistType</td><td>codelistTypeType</td><td>openEnumeration</td><td>optional</td></tr> <tr> <td>otherValue</td><td>extraValueType</td><td></td><td>optional</td></tr> <tr> <td colspan="4">Only if an "extra" value is encoded</td></tr> </tbody> </table>	QName	Type	Fixed	Use	code	transportConnectionCode		optional	codelistType	codelistTypeType	openEnumeration	optional	otherValue	extraValueType		optional	Only if an "extra" value is encoded			
QName	Type	Fixed	Use																		
code	transportConnectionCode		optional																		
codelistType	codelistTypeType	openEnumeration	optional																		
otherValue	extraValueType		optional																		
Only if an "extra" value is encoded																					

Complex Type AvailablePortServices_transportConnectionType

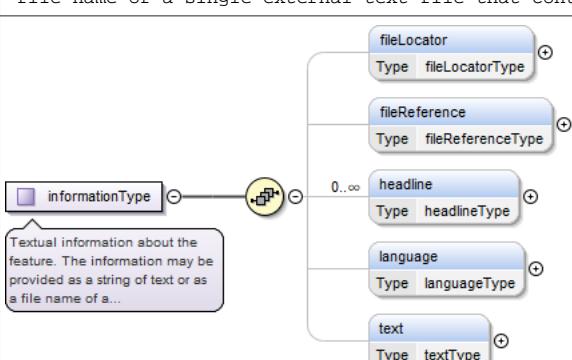
Namespace	http://www.ihodata.org/S131/2.0								
Annotations	Restricted values of transportConnection in AvailablePortServices								
Diagram	<pre> classDiagram AvailablePortServices_transportConnectionType < -- transportConnectionLabel_Union AvailablePortServices_transportConnectionType { <<Union type for labels corresponding to extra codelist values.>> <<Only if an "extra" value is encoded>> <<Attributes>> @code : AvailablePortServices_transportConn... } </pre>								
Type	extension of transportConnectionLabel_Union								
Type hierarchy	<ul style="list-style-type: none"> • xs:anySimpleType <ul style="list-style-type: none"> • transportConnectionLabel_Union • AvailablePortServices_transportConnectionType 								
Used by	Element AvailablePortServicesType/transportConnection								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>code</td><td>AvailablePortServices_transportConnectionCode</td><td>optional</td></tr> </tbody> </table>			QName	Type	Use	code	AvailablePortServices_transportConnectionCode	optional
QName	Type	Use							
code	AvailablePortServices_transportConnectionCode	optional							

Complex Type bearingInformationType

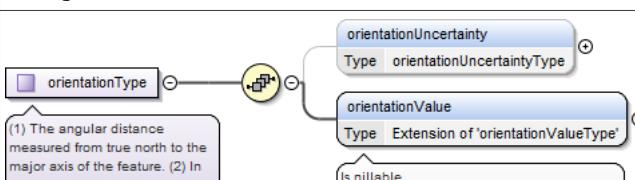
Namespace	http://www.ihodata.org/S131/2.0		
Annotations	A bearing is the direction one object is from another object.		

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

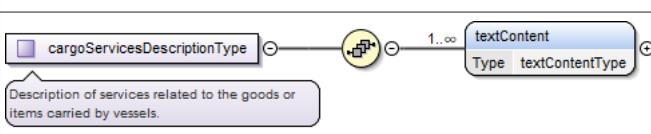
Complex Type informationType

Namespace	http://www.ihodata.org/S131/2.0
Annotations	Textual information about the feature. The information may be provided as a string of text or as a file name of a single external text file that contains the text.
Diagram	
Used by	Elements ApplicabilityType/information, ContactDetailsType/information, NonStandardWorkingDayType/information, QualityOfNonBathymetricDataType/information, ServiceHoursType/information, SoundingDatumType/information, VerticalDatumOfDataType/information, bearingInformationType/information, textContentType/information
Model	fileLocator{0,1} , fileReference{0,1} , headline* , language{0,1} , text{0,1}

Complex Type orientationType

Namespace	http://www.ihodata.org/S131/2.0
Annotations	(1) The angular distance measured from true north to the major axis of the feature. (2) In ECDIS, the mode in which information on the ECDIS is being presented. Typical modes include: north-up - as shown on a nautical chart, north is at the top of the display; Ships head-up - based on the actual heading of the ship, (e.g. Ships gyrocompass); course-up display - based on the course or route being taken.
Diagram	
Used by	Elements FenderLineType/orientation, bearingInformationType/orientation
Model	orientationUncertainty{0,1} , orientationValue

Complex Type cargoServicesDescriptionType

Namespace	http://www.ihodata.org/S131/2.0
Annotations	Description of services related to the goods or items carried by vessels.
Diagram	

Used by	Element	generalHarbourInformationType/cargoServicesDescription
Model	textContent+	

Complex Type **textContentType**

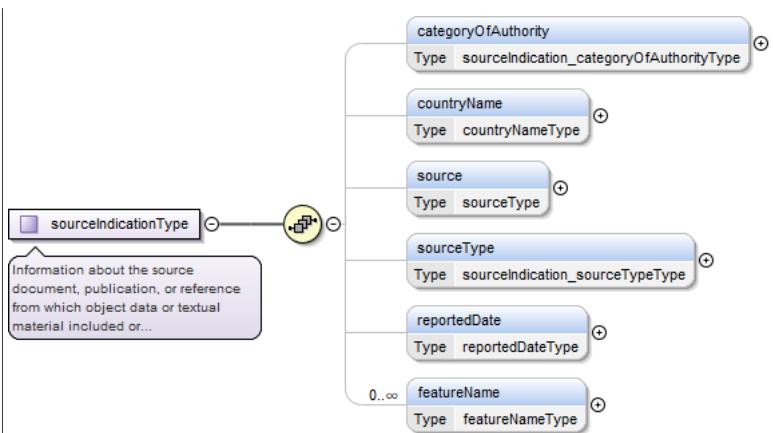
Namespace	http://www.ihodata.org/S131/2.0	
Annotations	Textual material, or a pointer to a resource providing textual material. May be accompanied by basic information about its source and relationship to the source.	
Diagram	<pre> classDiagram class textContentType { categoryOfText : textContent_categoryOfTextType 0..oo information : informationType 0..oo onlineResource : onlineResourceType 0..oo sourceIndication : sourceIndicationType } </pre>	
Used by	Elements AbstractRxNType/textContent, AuthorityType/textContent, AvailablePortServicesType/textContent, EntranceType/textContent, FeatureType/textContent, cargoServicesDescriptionType/textContent, constructionInformationType/textContent, depthsDescriptionType/textContent, facilitiesLayoutDescriptionType/textContent, generalPortDescriptionType/textContent, landmarkDescriptionType/textContent, limitsDescriptionType/textContent, majorLightDescriptionType/textContent, markedByType/textContent, offshoreMarkDescriptionType/textContent, usefulMarkDescriptionType/textContent, weatherResourceType/textContent	
Model	categoryOfText{0,1}, information*, onlineResource{0,1}, sourceIndication*	

Complex Type **onlineResourceType**

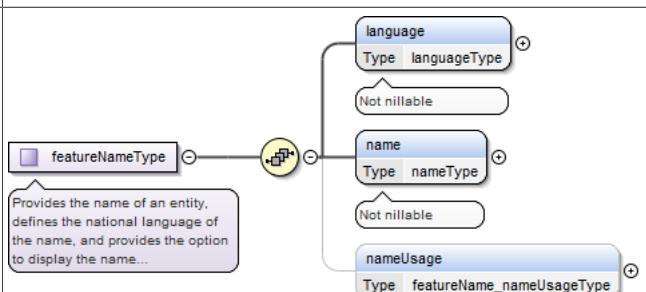
Namespace	http://www.ihodata.org/S131/2.0	
Annotations	Information about online sources from which a resource or data can be obtained.	
Diagram	<pre> classDiagram class onlineResourceType { linkage : linkageType protocol : protocolType applicationProfile : applicationProfileType nameOfResource : nameOfResourceType onlineResourceDescription : onlineResourceDescriptionType 0..oo onlineFunction : onlineResource_onlineFunctionType protocolRequest : protocolRequestType } </pre>	
Used by	Elements ContactDetailsType/onlineResource, textContentType/onlineResource, weatherResourceType/onlineResource	
Model	linkage, protocol{0,1}, applicationProfile{0,1}, nameOfResource{0,1}, onlineResourceDescription{0,1}, onlineFunction{0,1}, protocolRequest{0,1}	

Complex Type **sourceIndicationType**

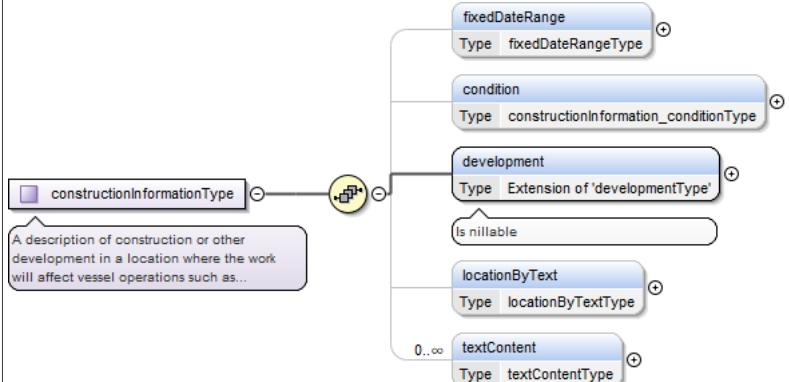
Namespace	http://www.ihodata.org/S131/2.0	
Annotations	Information about the source document, publication, or reference from which object data or textual material included or referenced in a dataset are derived.	

Diagram	
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*

Complex Type **featureNameType**

Namespace	http://www.ihodata.org/S131/2.0
Annotations	Provides the name of an entity, defines the national language of the name, and provides the option to display the name at various system display settings.
Diagram	
Used by	Elements FeatureTypeType/featureName, InformationTypeType/featureName, sourceIndicationType/featureName
Model	language , name , nameUsage{0,1}

Complex Type **constructionInformationType**

Namespace	http://www.ihodata.org/S131/2.0
Annotations	A description of construction or other development in a location where the work will affect vessel operations such as navigation, maneuvering or docking/berthing.
Diagram	
Used by	Element generalHarbourInformationType/constructionInformation
Model	fixedDateRange{0,1} , condition{0,1} , development , locationByText{0,1} , textContent*

Complex Type fixedDateRangeType

Namespace	http://www.ihc.int/S131/2.0
Annotations	An active period of a single fixed event or occurrence, as the date range between discrete start and end dates.
Diagram	<pre> classDiagram class fixedDateRangeType { dateStart : dateStartType dateEnd : dateEndType } dateStart <--> dateEnd dateStart --> dateStart </pre>
Used by	Elements FeatureTypeType/fixedDateRange, InformationTypeType/fixedDateRange, constructionInformationType/fixedDateRange, spatialAccuracyType/fixedDateRange
Model	dateStart{0,1} , dateEnd{0,1}

Complex Type contactAddressType

Namespace	http://www.ihc.int/S131/2.0
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	<pre> classDiagram class contactAddressType { deliveryPoint : deliveryPointType cityName : cityNameType administrativeDivision : administrativeDivisionType countryName : countryNameType postalCode : postalCodeType } deliveryPoint <--> cityName deliveryPoint <--> administrativeDivision deliveryPoint <--> countryName deliveryPoint <--> postalCode deliveryPoint --> deliveryPoint </pre>
Used by	Element ContactDetailsType/contactAddress
Model	deliveryPoint*, cityName{0,1} , administrativeDivision{0,1} , countryName{0,1} , postalCode{0,1}

Complex Type depthsDescriptionType

Namespace	http://www.ihc.int/S131/2.0
Annotations	Textual description of the characteristics and notable matters pertaining to depths in an area.
Diagram	<pre> classDiagram class depthsDescriptionType { categoryOfDepthsDescription : Extension of 'depthsDescription_categoryOfDepthsDescriptionType' textContent : textContentType } categoryOfDepthsDescription <--> textContent categoryOfDepthsDescription --> categoryOfDepthsDescription </pre>
Used by	Elements AnchorageAreaType/depthsDescription, DockAreaType/depthsDescription, DumpingGroundType/depthsDescription, HarbourBasinType/depthsDescription, PilotBoardingPlaceType/depthsDescription, SeaplaneLandingAreaType/depthsDescription, TurningBasinType/depthsDescription, WaterwayAreaType/depthsDescription
Model	categoryOfDepthsDescription , textContent+

Complex Type facilitiesLayoutDescriptionType

Namespace	http://www.ihc.int/S131/2.0
Annotations	Textual description of the layout of port facilities.
Diagram	<pre> classDiagram class facilitiesLayoutDescriptionType { textContent : textContentType } textContent <--> facilitiesLayoutDescriptionType textContent --> textContent </pre>

Used by	Elements	HarbourAreaSectionType/facilitiesLayoutDescription, generalHarbourInformationType/facilitiesLayoutDescription
Model	textContent+	

Complex Type frequencyPairType

Namespace	http://www.aho.int/S131/2.0	
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 { <<A pair of frequencies for transmitting and receiving radio signals. The shore station transmits and receives on the...>> } class frequencyShoreStationReceives { <<frequencyShoreStationReceives
Type frequencyShoreStationReceivesType>> } class frequencyShoreStationTransmits { <<frequencyShoreStationTransmits
Type Extension of 'frequencyShoreStationTransmitsType'>> } frequencyPairType "1" -- "1" frequencyShoreStationReceives frequencyPairType "1" -- "1" frequencyShoreStationTransmits </pre>	
Used by	Element	ContactDetailsType/frequencyPair
Model	frequencyShoreStationReceives{0,1} , frequencyShoreStationTransmits	

Complex Type generalHarbourInformationType

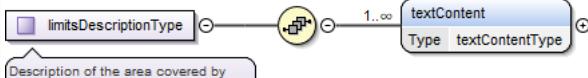
Namespace	http://www.aho.int/S131/2.0	
Annotations	General information about the port or harbour area.	
Diagram	<pre> classDiagram class generalHarbourInformationType { <<General information about the port or harbour area.>> } class generalPortDescription { <<generalPortDescription
Type generalPortDescriptionType>> } class facilitiesLayoutDescription { <<facilitiesLayoutDescription
Type facilitiesLayoutDescriptionType>> } class limitsDescription { <<limitsDescription
Type limitsDescriptionType>> } class constructionInformation { <<constructionInformation
Type constructionInformationType>> } class cargoServicesDescription { <<cargoServicesDescription
Type cargoServicesDescriptionType>> } class weatherResource { <<weatherResource
Type weatherResourceType>> } generalHarbourInformationType "1" -- "1" generalPortDescription generalHarbourInformationType "1" -- "1" facilitiesLayoutDescription generalHarbourInformationType "1" -- "1" limitsDescription generalHarbourInformationType "0..>" -- "1..>" constructionInformation generalHarbourInformationType "0..>" -- "1..>" cargoServicesDescription generalHarbourInformationType "0..>" -- "1..>" weatherResource </pre>	
Used by	Element	HarbourAreaAdministrativeType/generalHarbourInformation
Model	generalPortDescription{0,1} , facilitiesLayoutDescription{0,1} , limitsDescription{0,1} , constructionInformation* , cargoServicesDescription{0,1} , weatherResource*	

Complex Type generalPortDescriptionType

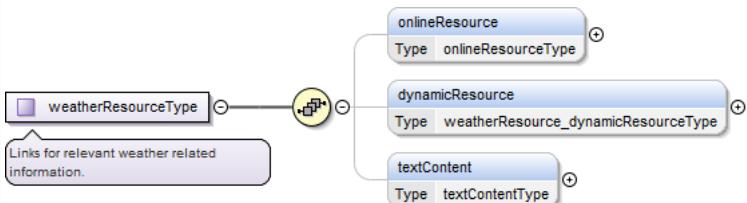
Namespace	http://www.aho.int/S131/2.0	
Annotations	General, introductory information about the port.	
Diagram	<pre> classDiagram class generalPortDescriptionType { <<General, introductory information about the port.>> } class textContent { <<textContent
Type textContentType>> } generalPortDescriptionType "1" -- "1..>" textContent </pre>	
Used by	Element	generalHarbourInformationType/generalPortDescription
Model	textContent+	

Complex Type limitsDescriptionType

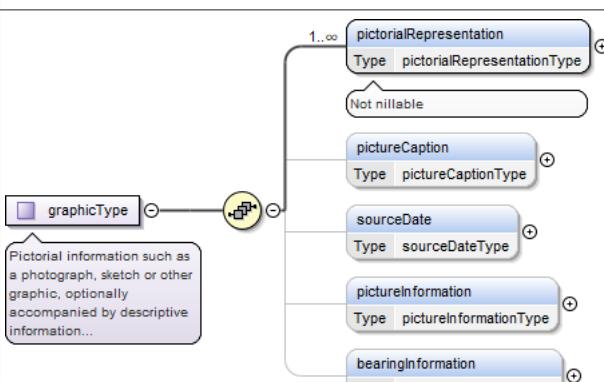
Namespace	http://www.aho.int/S131/2.0	
Annotations	Description of the area covered by the information specified.	

Diagram	
Used by	Elements OuterLimitType/limitsDescription, generalHarbourInformationType/limitsDescription
Model	textContent+

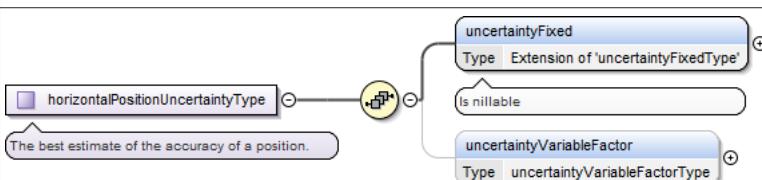
Complex Type weatherResourceType

Namespace	http://www.ihodata.org/S131/2.0
Annotations	Links for relevant weather related information.
Diagram	
Used by	Element generalHarbourInformationType/weatherResource
Model	onlineResource{0,1}, dynamicResource{0,1}, textContent{0,1}

Complex Type graphicType

Namespace	http://www.ihodata.org/S131/2.0
Annotations	Pictorial information such as a photograph, sketch or other graphic, optionally accompanied by descriptive information about the graphic and the location relative to its subject from which it was made.
Diagram	
Used by	Elements FeatureTypeType/graphic, InformationTypeType/graphic
Model	pictorialRepresentation+, pictureCaption{0,1}, sourceDate{0,1}, pictureInformation{0,1}, bearingInformation{0,1}

Complex Type horizontalPositionUncertaintyType

Namespace	http://www.ihodata.org/S131/2.0
Annotations	The best estimate of the accuracy of a position.
Diagram	
Used by	Elements QualityOfNonBathymetricDataType/horizontalPositionUncertainty, spatialAccuracyType/horizontalPositionUncertainty

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

Complex Type **landmarkDescriptionType**

Namespace	http://www.ihc.int/S131/2.0
Annotations	Textual description of selected landmarks that have significance in an area.
Diagram	<pre> classDiagram class landmarkDescriptionType class textContent { <<Type textContentType>> } landmarkDescriptionType "1..oo" --> textContent : </pre>
Used by	Elements EntranceType/landmarkDescription, OuterLimitType/landmarkDescription
Model	textContent+

Complex Type **majorLightDescriptionType**

Namespace	http://www.ihc.int/S131/2.0
Annotations	A description of navigationally significant lights essential for marking landfalls, offshore dangers, shipping routes, port access channels or protection of the marine environment.
Diagram	<pre> classDiagram class majorLightDescriptionType class textContent { <<Type textContentType>> } majorLightDescriptionType "1..oo" --> textContent : </pre>
Used by	Elements EntranceType/majorLightDescription, OuterLimitType/majorLightDescription
Model	textContent+

Complex Type **markedByType**

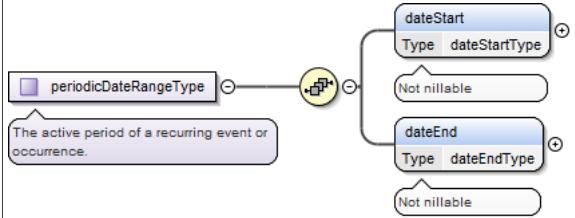
Namespace	http://www.ihc.int/S131/2.0
Annotations	Description of the aids to navigation used to mark an area or object.
Diagram	<pre> classDiagram class markedByType class textContent { <<Type textContentType>> } markedByType "1..oo" --> textContent : </pre>
Used by	Elements AnchorageAreaType-markedBy, DockAreaType-markedBy, DumpingGroundType-markedBy, EntranceType-markedBy, HarbourBasinType-markedBy, OuterLimitType-markedBy, PilotBoarding-PlaceType-markedBy, SeaplaneLandingAreaType-markedBy, TurningBasinType-markedBy, WaterwayAreaType-markedBy
Model	textContent+

Complex Type **offshoreMarkDescriptionType**

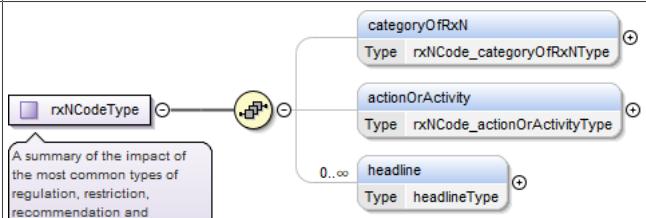
Namespace	http://www.ihc.int/S131/2.0
Annotations	Description of aids to navigation or prominent marks located away from the shore.
Diagram	<pre> classDiagram class offshoreMarkDescriptionType class textContent { <<Type textContentType>> } offshoreMarkDescriptionType "1..oo" --> textContent : </pre>
Used by	Elements EntranceType/offshoreMarkDescription, OuterLimitType/offshoreMarkDescription
Model	textContent+

Complex Type **periodicDateRangeType**

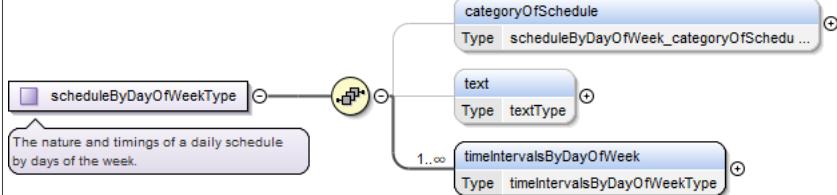
Namespace	http://www.ihc.int/S131/2.0
Annotations	The active period of a recurring event or occurrence.

Diagram	
Used by	Elements FeatureTypeType/periodicDateRange, InformationTypeType/periodicDateRange
Model	dateStart , dateEnd

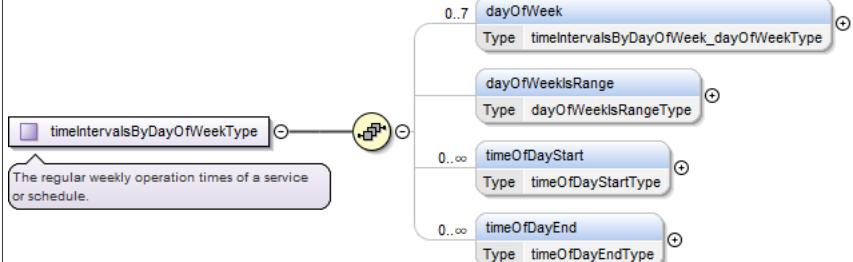
Complex Type rxNCodeType

Namespace	http://www.oho.int/S131/2.0
Annotations	A summary of the impact of the most common types of regulation, restriction, recommendation and nautical information on a vessel.
Diagram	
Used by	Elements AbstractRxNType/rxNCode, FeatureTypeType/rxNCode
Model	categoryOfRxN{0,1} , actionOrActivity{0,1} , headline*

Complex Type scheduleByDayOfWeekType

Namespace	http://www.oho.int/S131/2.0
Annotations	The nature and timings of a daily schedule by days of the week.
Diagram	
Used by	Element ServiceHoursType/scheduleByDayOfWeek
Model	categoryOfSchedule{0,1} , text{0,1} , timeIntervalsByDayOfWeek+

Complex Type timeIntervalsByDayOfWeekType

Namespace	http://www.oho.int/S131/2.0
Annotations	The regular weekly operation times of a service or schedule.
Diagram	
Used by	Element scheduleByDayOfWeekType/timeIntervalsByDayOfWeek
Model	dayOfTheWeek{0,7} , dayOfTheWeekIsRange{0,1} , timeOfDayStart* , timeOfDayEnd*

Complex Type spatialAccuracyType

Namespace	http://www.ihodata.org/S131/2.0
Annotations	Provides an indication of the vertical and horizontal positional uncertainty of bathymetric data, optionally within a specified date range.
Diagram	<pre> classDiagram spatialAccuracyType < -- uncertaintyType spatialAccuracyType < -- fixedDateRangeType spatialAccuracyType < -- horizontalPositionUncertaintyType spatialAccuracyType < -- verticalUncertaintyType </pre> <p>The diagram shows the UML class <code>spatialAccuracyType</code> which inherits from <code>uncertaintyType</code>. It also has three associated objects: <code>fixedDateRange</code> (Type: <code>fixedDateRangeType</code>), <code>horizontalPositionUncertainty</code> (Type: <code>horizontalPositionUncertaintyType</code>), and <code>verticalUncertainty</code> (Type: <code>verticalUncertaintyType</code>). A callout box provides the annotation: "Provides an indication of the vertical and horizontal positional uncertainty of bathymetric data, optionally within a..."</p>
Used by	Element SpatialQualityType/spatialAccuracy
Model	<code>fixedDateRange{0,1}</code> , <code>horizontalPositionUncertainty{0,1}</code> , <code>verticalUncertainty{0,1}</code>

Complex Type verticalUncertaintyType

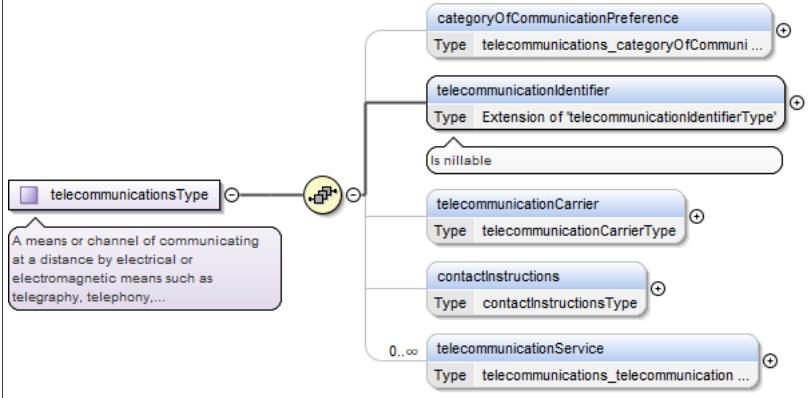
Namespace	http://www.ihodata.org/S131/2.0
Annotations	The best estimate of the vertical accuracy of depths, heights, vertical distances and vertical clearances.
Diagram	<pre> classDiagram verticalUncertaintyType < -- uncertaintyType verticalUncertaintyType < -- uncertaintyFixedType verticalUncertaintyType < -- uncertaintyVariableFactorType </pre> <p>The diagram shows the UML class <code>verticalUncertaintyType</code> which inherits from <code>uncertaintyType</code>. It also has two associated objects: <code>uncertaintyFixed</code> (Type: <code>Extension of 'uncertaintyFixedType'</code>) and <code>uncertaintyVariableFactor</code> (Type: <code>uncertaintyVariableFactorType</code>). A callout box provides the annotation: "The best estimate of the vertical accuracy of depths, heights, vertical distances and vertical clearances."</p>
Used by	Elements QualityOfNonBathymetricDataType/verticalUncertainty, spatialAccuracyType/verticalUncertainty
Model	<code>uncertaintyFixed</code> , <code>uncertaintyVariableFactor{0,1}</code>

Complex Type surveyDateRangeType

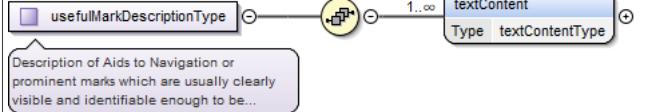
Namespace	http://www.ihodata.org/S131/2.0
Annotations	The complex attribute describes the period of the hydrographic survey, as the time between its sub-attributes.
Diagram	<pre> classDiagram surveyDateRangeType < -- dateType surveyDateRangeType < -- dateStartType surveyDateRangeType < -- dateEndType </pre> <p>The diagram shows the UML class <code>surveyDateRangeType</code> which inherits from <code>dateType</code>. It also has two associated objects: <code>dateStart</code> (Type: <code>dateStartType</code>) and <code>dateEnd</code> (Type: <code>Extension of 'dateEndType'</code>). A callout box provides the annotation: "The complex attribute describes the period of the hydrographic survey, as the time between its sub-attributes."</p>
Used by	Element QualityOfNonBathymetricDataType/surveyDateRange
Model	<code>dateStart{0,1}</code> , <code>dateEnd</code>

Complex Type telecommunicationsType

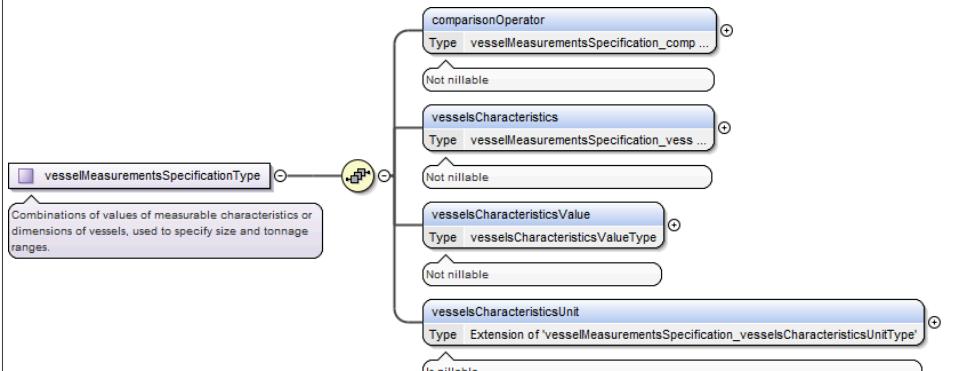
Namespace	http://www.ihodata.org/S131/2.0
Annotations	A means or channel of communicating at a distance by electrical or electromagnetic means such as telegraphy, telephony, or broadcasting.

Diagram	
Used by	Element ContactDetailsType/telecommunications
Model	categoryOfCommunicationPreference{0,1} , telecommunicationIdentifier , telecommunicationCarrier{0,1} , contactInstructions{0,1} , telecommunicationService*

Complex Type usefulMarkDescriptionType

Namespace	http://www.ihc.int/S131/2.0
Annotations	Description of Aids to Navigation or prominent marks which are usually clearly visible and identifiable enough to be used in determining location or direction.
Diagram	
Used by	Elements EntranceType/usefulMarkDescription, OuterLimitType/usefulMarkDescription
Model	textContent+

Complex Type vesselMeasurementsSpecificationType

Namespace	http://www.ihc.int/S131/2.0
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

Complex Type InformationTypeType

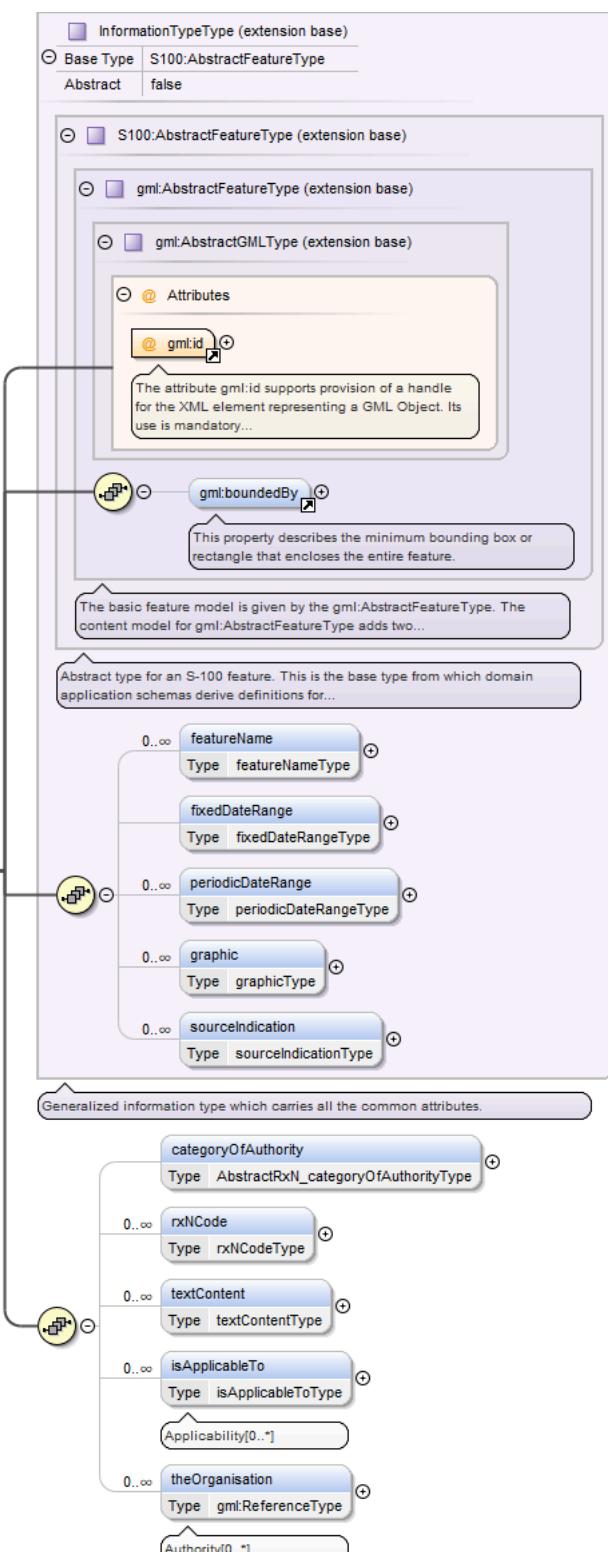
Namespace	http://www.ihc.int/S131/2.0
Annotations	Generalized information type which carries all the common attributes.

Diagram	<pre> classDiagram S100::AbstractFeatureType < -- gml::AbstractFeatureType gml::AbstractFeatureType < -- gml::AbstractGMLType gml::AbstractGMLType < -- InformationTypeType InformationTypeType < -- S100::AbstractFeatureType class S100::AbstractFeatureType { @gml:id gml:boundedBy } class gml::AbstractFeatureType { @Attributes gml:boundedBy } class gml::AbstractGMLType { gml:boundedBy } class InformationTypeType { Base Type: S100::AbstractFeatureType Abstract: false } </pre> <p>The diagram illustrates the schema's type hierarchy. At the top is <code>S100:AbstractFeatureType</code> (extension base), which is the base type from which domain application schemas derive definitions. Below it is <code>gml:AbstractFeatureType</code> (extension base), which adds two properties: <code>gml:boundedBy</code> (described as a minimum bounding box or rectangle that encloses the entire feature) and <code>@gml:id</code> (described as supporting provision of a handle for the XML element representing a GML Object, with its use being mandatory). Below <code>gml:AbstractFeatureType</code> is <code>gml:AbstractGMLType</code>, which also includes <code>gml:boundedBy</code>. Finally, <code>InformationTypeType</code> is shown as a derived type that carries all common attributes.</p>												
Type	extension of <code>AbstractFeatureType</code>												
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code> • <code>InformationTypeType</code> 												
Properties	<code>abstract: false</code>												
Used by	Complex Types <code>AbstractRxNType</code> , <code>ApplicabilityType</code> , <code>AuthorityType</code> , <code>AvailablePortServicesType</code> , <code>ContactDetailsType</code> , <code>EntranceType</code> , <code>NonStandardWorkingDayType</code> , <code>ServiceHoursType</code>												
Model	<code>gml:boundedBy{0,1}</code> , <code>featureName*</code> , <code>fixedDateRange{0,1}</code> , <code>periodicDateRange*</code> , <code>graphic*</code> , <code>sourceIndication*</code>												
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> <tr> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td colspan="2" 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 ID, so is constrained to be unique in the XML document within which it occurs.</p> </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											
		<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>											

Complex Type `AbstractRxNType`

Namespace	http://www.ihc.int/S131/2.0
Annotations	An abstract superclass for information types that encode rules, recommendations, and general information in text or graphic form.

Diagram



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

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

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

Complex Type isApplicableToType

Namespace	http://www.ihc.int/S131/2.0				
Annotations	The object or class of objects to which the regulation, restriction, recommendation, or nautical information applies				
Diagram					
Type	extension of gml:ReferenceType				
Type hierarchy	<ul style="list-style-type: none"> • gml:ReferenceType <ul style="list-style-type: none"> • isApplicableToType 				
Used by	Element AbstractRxNType/isApplicableTo				
Model	InclusionType				
Attributes	QName nilReason owns xlink:actuate xlink:arcrole xlink:href xlink:role xlink:show xlink:title xlink:type	Type gml:NilReasonType boolean xlink:actuateType xlink:arcroleType xlink:hrefType xlink:roleType xlink:showType xlink:titleAttrType xlink:typeType	Fixed simple	Default optional	Use optional optional optional optional optional optional optional optional optional

Complex Type InclusionTypeType

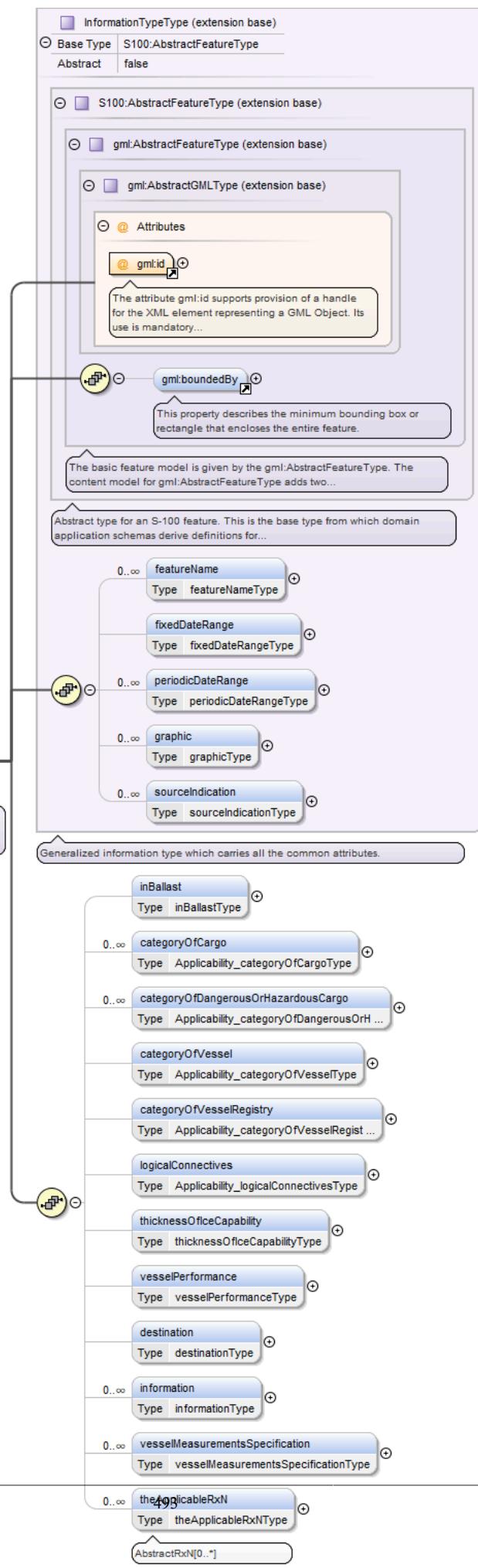
Namespace	http://www.ihc.int/S131/2.0
-----------	-----------------------------

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> } class gml:id { <<@ gml:id</i> } class membership { <<membership</i> } class membershipType { <<membershipType</i> } InclusionTypeType "1" -- "*" Attributes : @ gml:id InclusionTypeType "*" -- "1" membership : membershipType </pre> <p>The diagram shows the UML class <code>InclusionTypeType</code>. It has an association named <code>@ gml:id</code> with multiplicity 1..* at the <code>InclusionTypeType</code> end and 0..1 at the <code>Attributes</code> end. It also has an association named <code>membership</code> with multiplicity *..1 at the <code>InclusionTypeType</code> end and 1..1 at the <code>membership</code> end.</p>						
Used by	Elements <code>isApplicableToType/InclusionType</code> , <code>theApplicableRxNType/InclusionType</code>						
Model	membership						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:id</code></td> <td>ID</td> <td>optional</td> </tr> </tbody> </table> <p>The attribute <code>gml:id</code> supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	QName	Type	Use	<code>gml:id</code>	ID	optional
QName	Type	Use					
<code>gml:id</code>	ID	optional					

Complex Type ApplicabilityType

Namespace	http://www.ihc.int/S131/2.0
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*									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	gml:id	ID	required	<p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>		
QName	Type	Use								
gml:id	ID	required								

Complex Type theApplicableRxNType

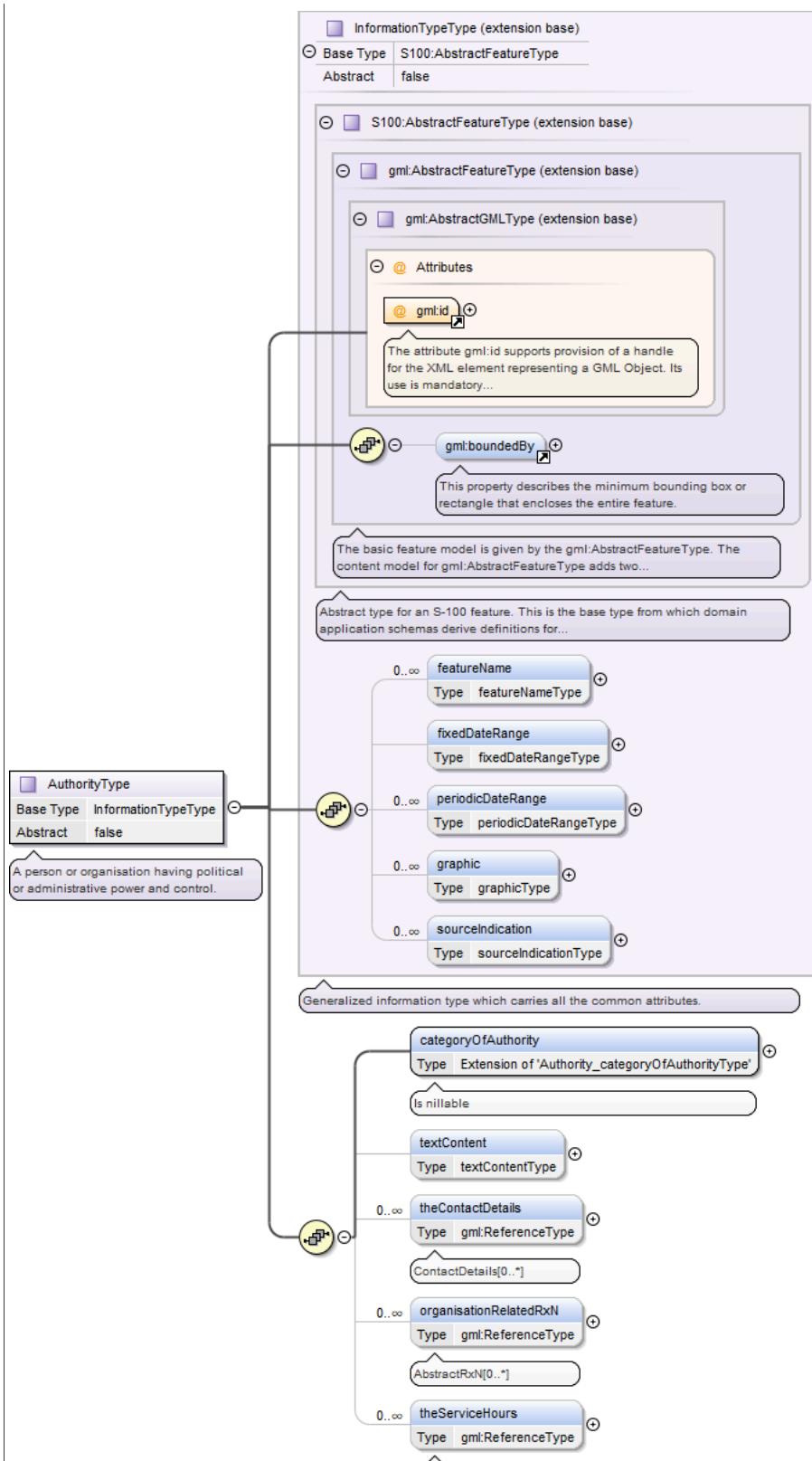
Namespace	http://www.ihc.int/S131/2.0																									
Annotations	The applicable regulation, restriction, recommendation or nautical information																									
Diagram	<pre> classDiagram class theApplicableRxNType { <<Base Type gml:ReferenceType>> <<The applicable regulation, restriction, recommendation or nautical information>> } class gml { class ReferenceType { <<extension base>> <<Attributes>> <<gml:OwnershipAttributeGroup>> <<gml:AssociationAttributeGroup>> } } theApplicableRxNType < -- gml:ReferenceType gml:ReferenceType < -- InclusionType InclusionType < -- InclusionTypeType </pre> <p>The diagram illustrates the inheritance relationship between theApplicableRxNType and gml:ReferenceType. It also shows the structure of gml:ReferenceType, which includes ownership and association attribute groups. A note indicates that gml:ReferenceType is intended for application schemas directly.</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																									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>xlink:actuateType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:arcrole</td> <td>xlink:arcroleType</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	xlink:actuateType			optional	xlink:arcrole	xlink:arcroleType			optional
QName	Type	Fixed	Default	Use																						
nilReason	gml:NilReasonType			optional																						
owns	boolean		false	optional																						
xlink:actuate	xlink:actuateType			optional																						
xlink:arcrole	xlink:arcroleType			optional																						

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

Complex Type AuthorityType

Namespace	http://www.ihc.int/S131/2.0
Annotations	A person or organisation having political or administrative power and control.

Diagram



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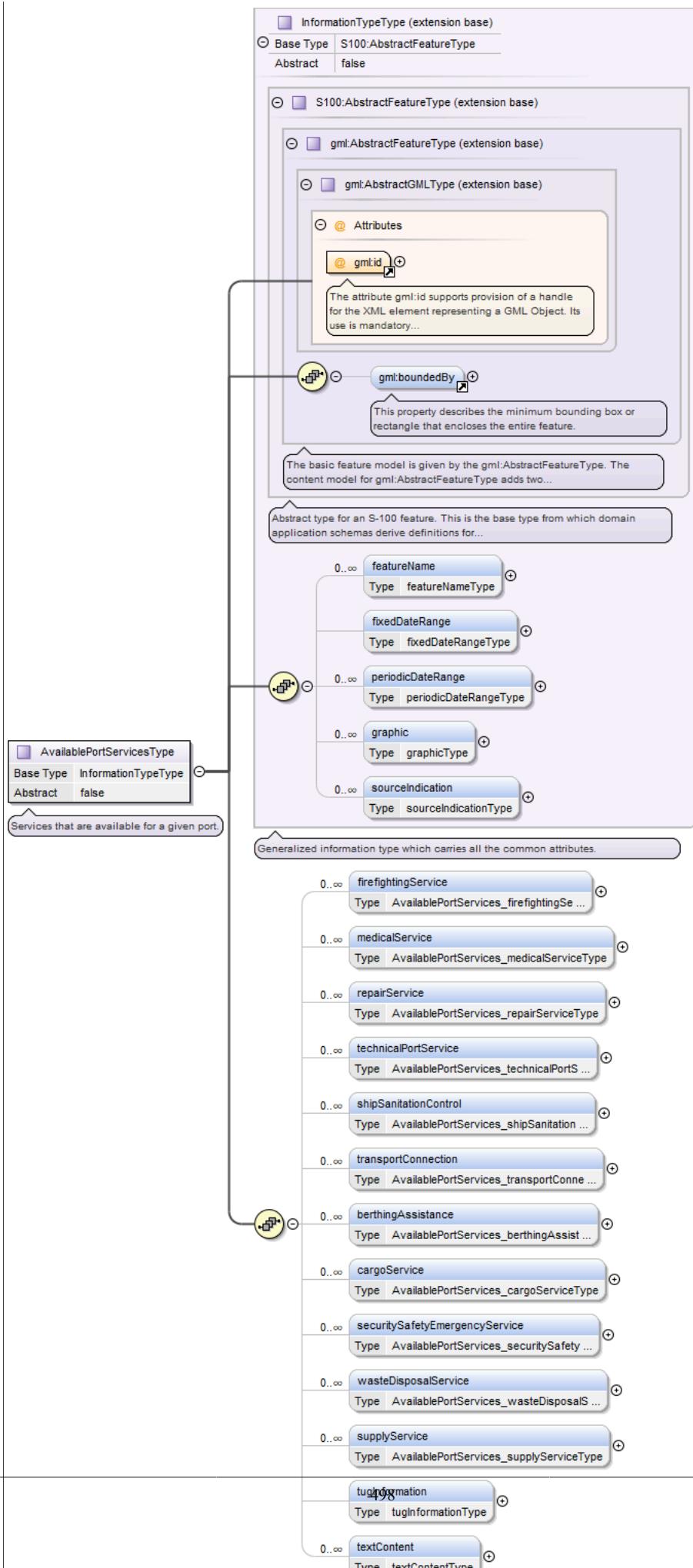
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType
----------------	--

	<ul style="list-style-type: none"> • InformationTypeType • AuthorityType 												
Properties	abstract: false												
Used by	Element Authority												
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication* , categoryOfAuthority , textContent{0,1} , theContactDetails* , organisationRelatedRxN* , theServiceHours*												
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td>gml:id</td><td>ID</td><td>required</td><td></td></tr> <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.	
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.											

Complex Type AvailablePortServicesType

Namespace	http://www.ihc.int/S131/2.0
Annotations	Services that are available for a given port.

Diagram

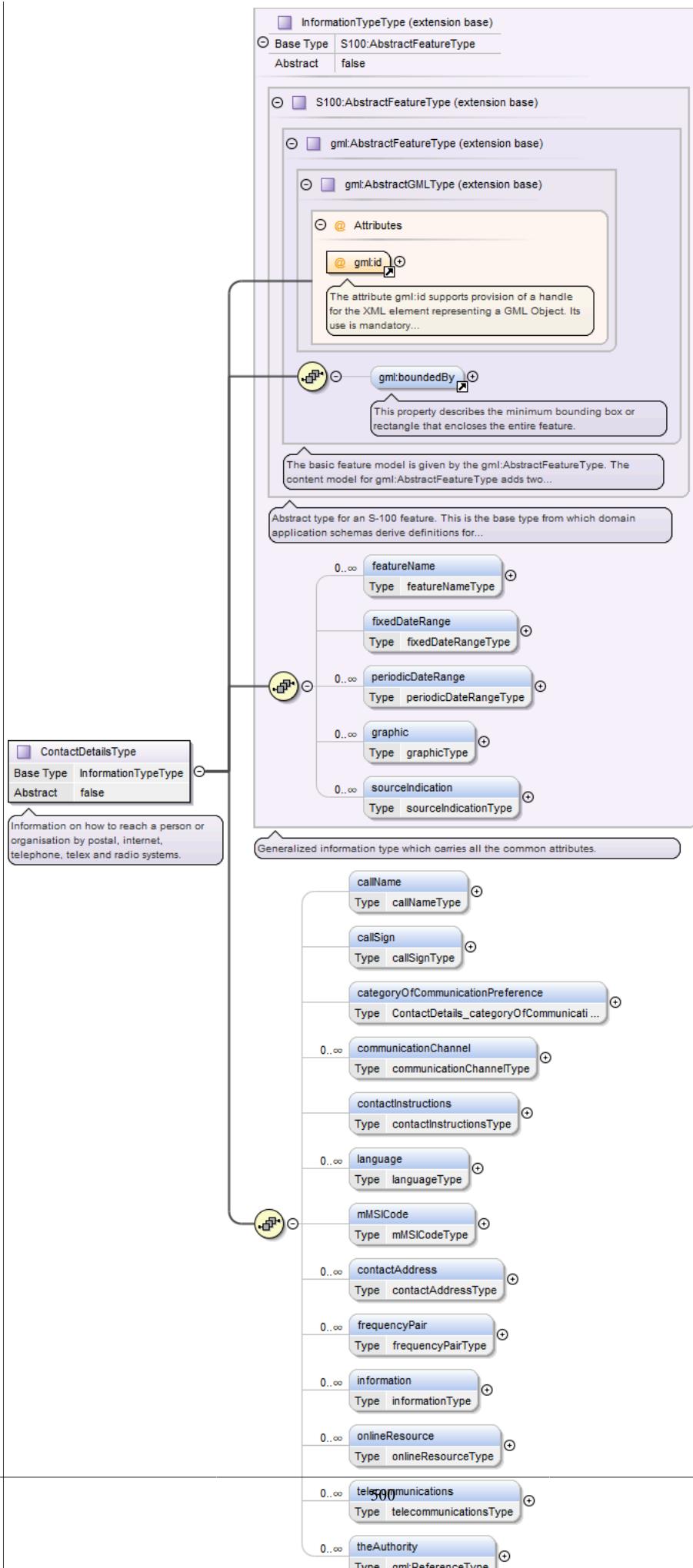


Type	extension of InformationTypeType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • InformationTypeType • AvailablePortServicesType 										
Properties	abstract: false										
Used by	Element AvailablePortServices										
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication* , firefightingService* , medicalService* , repairService* , technicalPortService* , shipSanitationControl* , transportConnection* , berthingAssistance* , cargoService* , securitySafetyEmergencyService* , wasteDisposalService* , supplyService* , tugInformation{0,1} , textContent*										
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									

Complex Type ContactDetailsType

Namespace	http://www.ihc.int/S131/2.0
Annotations	Information on how to reach a person or organisation by postal, internet, telephone, telex and radio systems.

Diagram

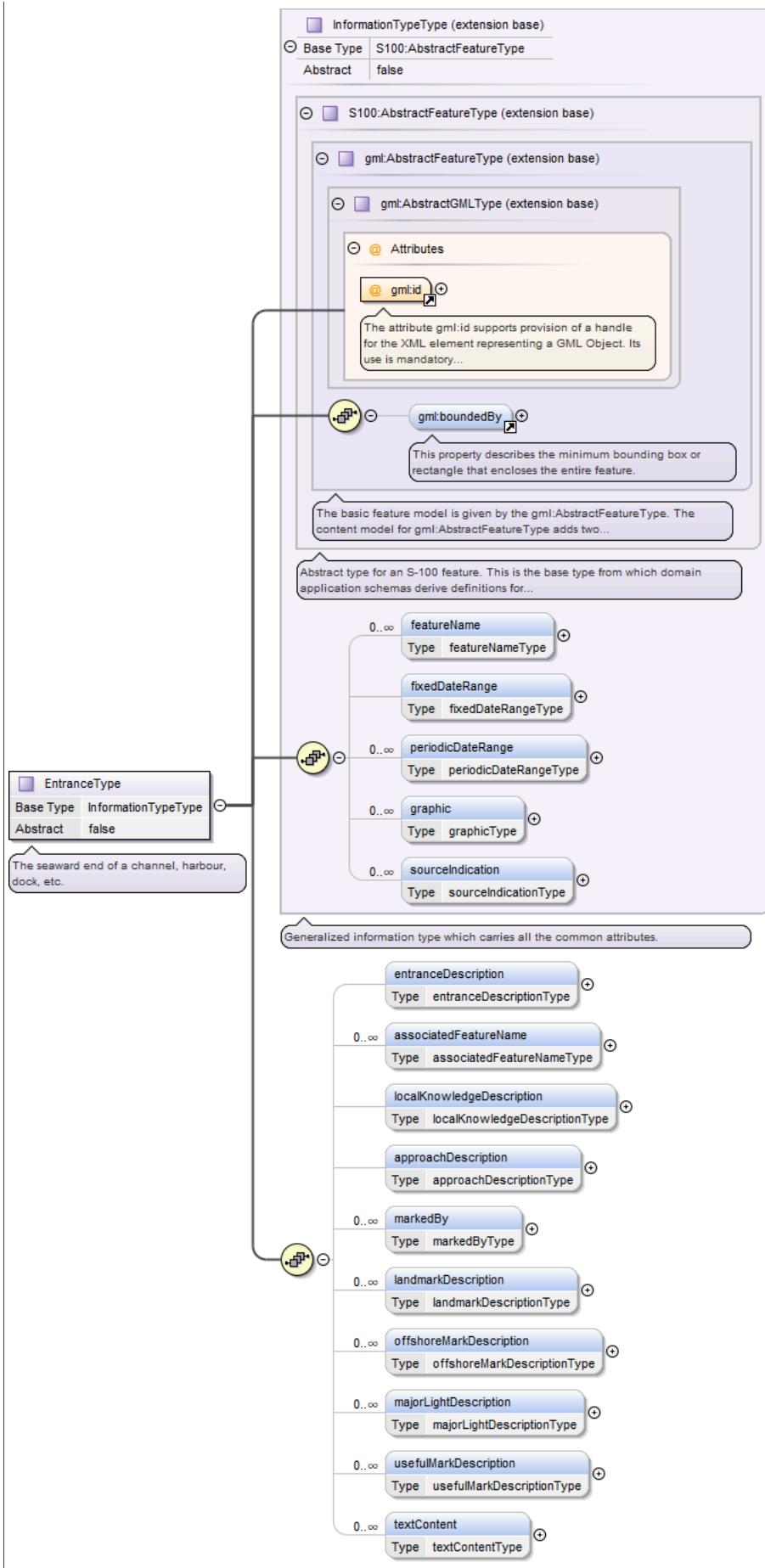


Type	extension of InformationTypeType		
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • InformationTypeType • ContactDetailsType 		
Properties	abstract: false		
Used by	Element ContactDetails		
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*		
Attributes	QName gml:id	Type	Use
		ID	required
	<p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>		

Complex Type EntranceType

Namespace	http://www.ihc.int/S131/2.0
Annotations	The seaward end of a channel, harbour, dock, etc.

Diagram



Type	extension of InformationTypeType		
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • InformationTypeType • EntranceType 		
Properties	abstract: false		
Used by	Element Entrance		
Model	gml:boundedBy{0,1} , featureName* , fixedDateRange{0,1} , periodicDateRange* , graphic* , sourceIndication* , entranceDescription{0,1} , associatedFeatureName* , localKnowledgeDescription{0,1} , approachDescription{0,1} , markedBy* , landmarkDescription* , offshoreMarkDescription* , majorLightDescription* , usefulMarkDescription* , textContent*		
Attributes	QName	Type	Use
		ID	required
	<p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>		

Complex Type NauticalInformationType

Namespace	http://www.ihc.int/S131/2.0
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>> 0..oo <<periodicDateRange>> 0..oo <<graphic>> 0..oo <<sourcelnformation>> 0..oo } class 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 NauticalInformationType { <<Base Type>> AbstractRxNType <<Abstract>> false } class AbstractRxN_Type { <<Generalized information type which carries all the common attributes.>> <<categoryOfAuthority>> 0..oo <<rxNCode>> 0..oo <<textContent>> 0..oo <<isApplicableTo>> 0..oo <<theOrganisation>> 0..oo } </pre>
Type	extension of AbstractRxNType

Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> <ul style="list-style-type: none"> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code> • <code>InformationTypeType</code> • <code>AbstractRxNType</code> • <code>NauticalInformationType</code> 								
Properties	<code>abstract:</code> false								
Used by	Element NauticalInformation								
Model	<code>gml:boundedBy{0,1}</code> , <code>featureName*</code> , <code>fixedDateRange{0,1}</code> , <code>periodicDateRange*</code> , <code>graphic*</code> , <code>sourceIndication*</code> , <code>categoryOfAuthority{0,1}</code> , <code>rxNCode*</code> , <code>textContent*</code> , <code>isApplicableTo*</code> , <code>theOrganisation*</code>								
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">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 <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							

Complex Type NonStandardWorkingDayType

Namespace	http://www.ihodata.com/S131/2.0
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.

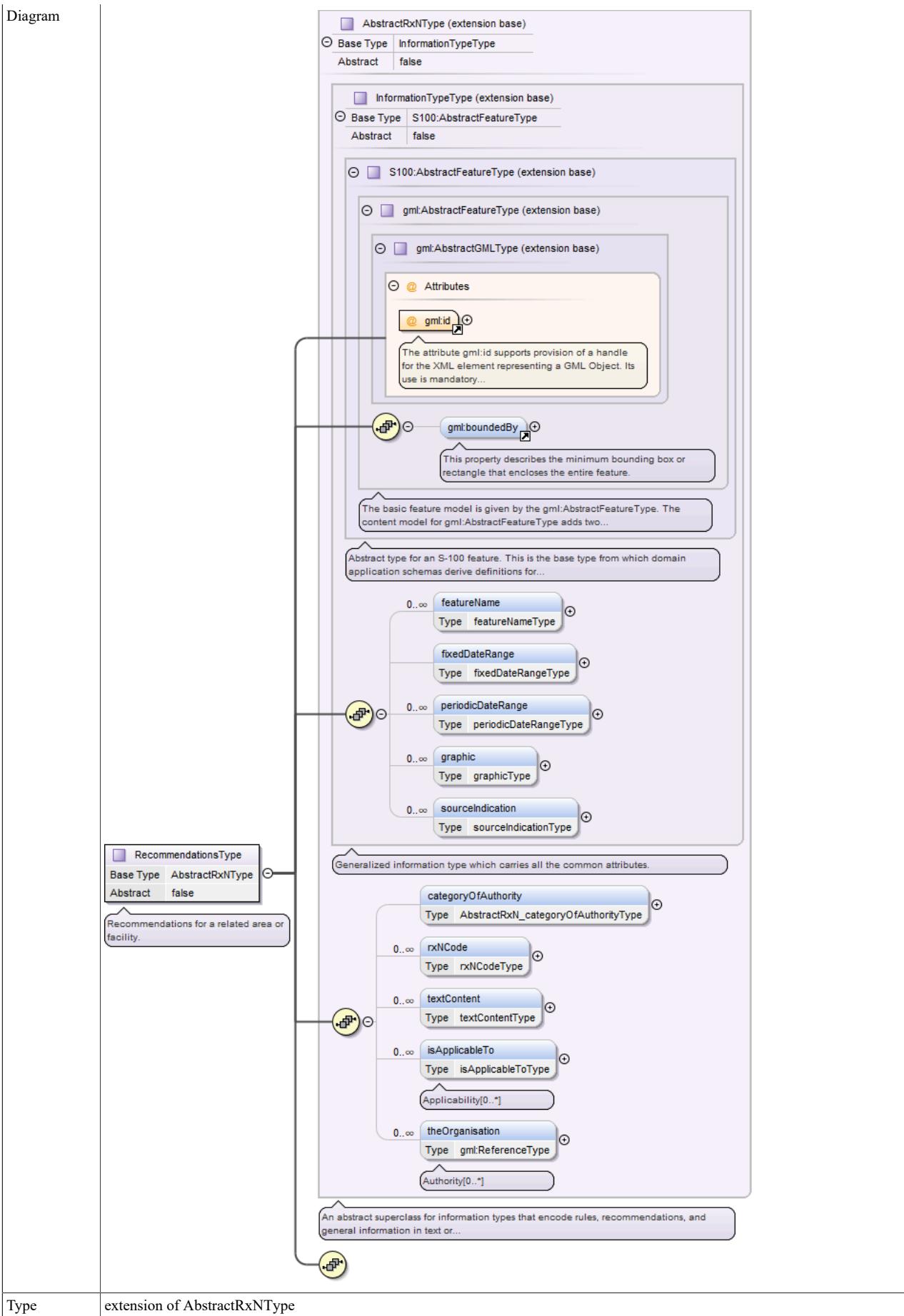
Diagram	<pre> classDiagram class NonStandardWorkingDayType { <<Days when many services are not available. Often days of festivity or recreation or public holidays when normal working...>> } class InformationTypeType { <<Abstract type for an S-100 feature. This is the base type from which domain application schemas derive definitions for...>> } class S100AbstractFeatureType { <<The basic feature model is given by the gml:AbstractFeatureType. The content model for gml:AbstractFeatureType adds two...>> } class gmlAbstractGMLType { <<Generalized information type which carries all the common attributes.>> } class gmlAbstractFeatureType { <<This property describes the minimum bounding box or rectangle that encloses the entire feature.>> } class gmlid { <<The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory...>> } class gmlboundedBy { <<This property describes the minimum bounding box or rectangle that encloses the entire feature.>> } class featureName { <<0..>> } class fixedDateRange { <<0..>> } class periodicDateRange { <<0..>> } class graphic { <<0..>> } class sourceIndication { <<0..>> } class dateFixed { <<0..>> } class dateVariable { <<0..>> } class information { <<0..>> } NonStandardWorkingDayType --> InformationTypeType InformationTypeType --> S100AbstractFeatureType S100AbstractFeatureType --> gmlAbstractGMLType gmlAbstractGMLType --> gmlAbstractFeatureType gmlAbstractFeatureType --> gmlid gmlAbstractFeatureType --> gmlboundedBy gmlAbstractFeatureType --> featureName gmlAbstractFeatureType --> fixedDateRange gmlAbstractFeatureType --> periodicDateRange gmlAbstractFeatureType --> graphic gmlAbstractFeatureType --> sourceIndication gmlAbstractFeatureType --> dateFixed gmlAbstractFeatureType --> dateVariable gmlAbstractFeatureType --> information </pre>								
Type	extension of InformationTypeType								
Type hierarchy	<ul style="list-style-type: none"> gml:AbstractGMLType gml:AbstractFeatureType 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*								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td>gml:id</td><td>ID</td><td>required</td><td></td></tr> </tbody> </table>	QName	Type	Use		gml:id	ID	required	
QName	Type	Use							
gml:id	ID	required							

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

Complex Type RecommendationsType

Namespace	http://www.ihc.int/S131/2.0
Annotations	Recommendations for a related area or facility.

Diagram



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>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>								
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 <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							

Complex Type **RegulationsType**

Namespace	http://www.ihc.int/S131/2.0
Annotations	Regulations for a related area or facility.

Diagram

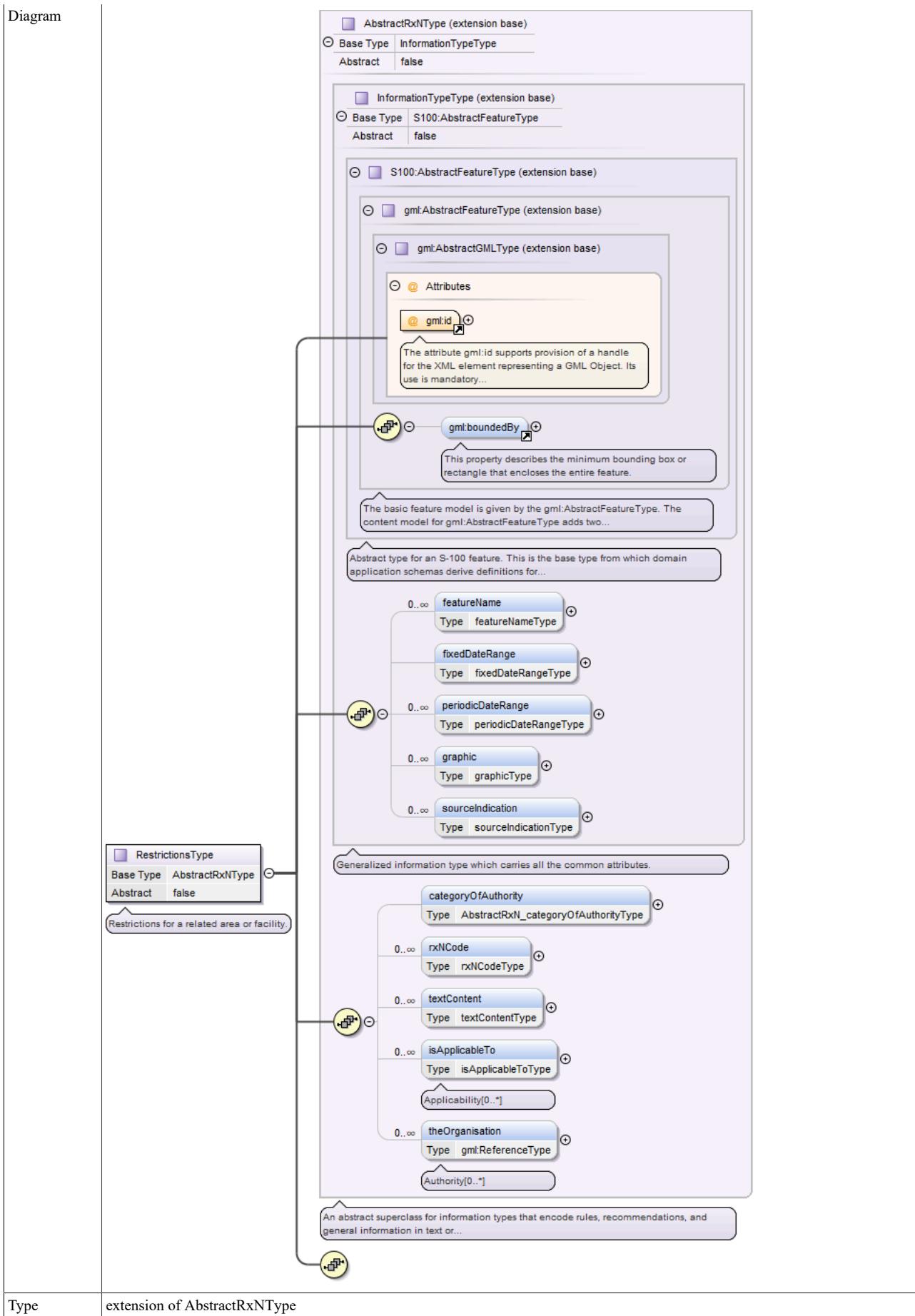
	<pre> classDiagram class AbstractRxNType { <<extension base>> <<Base Type>> InformationTypeType <<Abstract>> false } class InformationTypeType { <<extension base>> <<Base Type>> S100:AbstractFeatureType <<Abstract>> false } class S100:AbstractFeatureType { <<extension base>> class gml:AbstractFeatureType { <<extension base>> class 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 Type featureNameType fixedDateRange Type fixedDateRangeType periodicDateRange Type periodicDateRangeType graphic Type graphicType sourceIndication Type sourceIndicationType Generalized information type which carries all the common attributes. categoryOfAuthority Type AbstractRxN_categoryOfAuthorityType rxNCode Type rxNCodeType textContent Type textContentType isApplicableTo Type isApplicableToType isApplicableTo Type isApplicableToType theOrganisation Type gml:ReferenceType Authority[0..*] } } } class RegulationsType { <<extension base>> <<Base Type>> AbstractRxNType <<Abstract>> false Regulations for a related area or facility. } </pre>
Type	extension of AbstractRxNType

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>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>								
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 <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							

Complex Type **RestrictionsType**

Namespace	http://www.ihc.int/S131/2.0
Annotations	Restrictions for a related area or facility.

Diagram

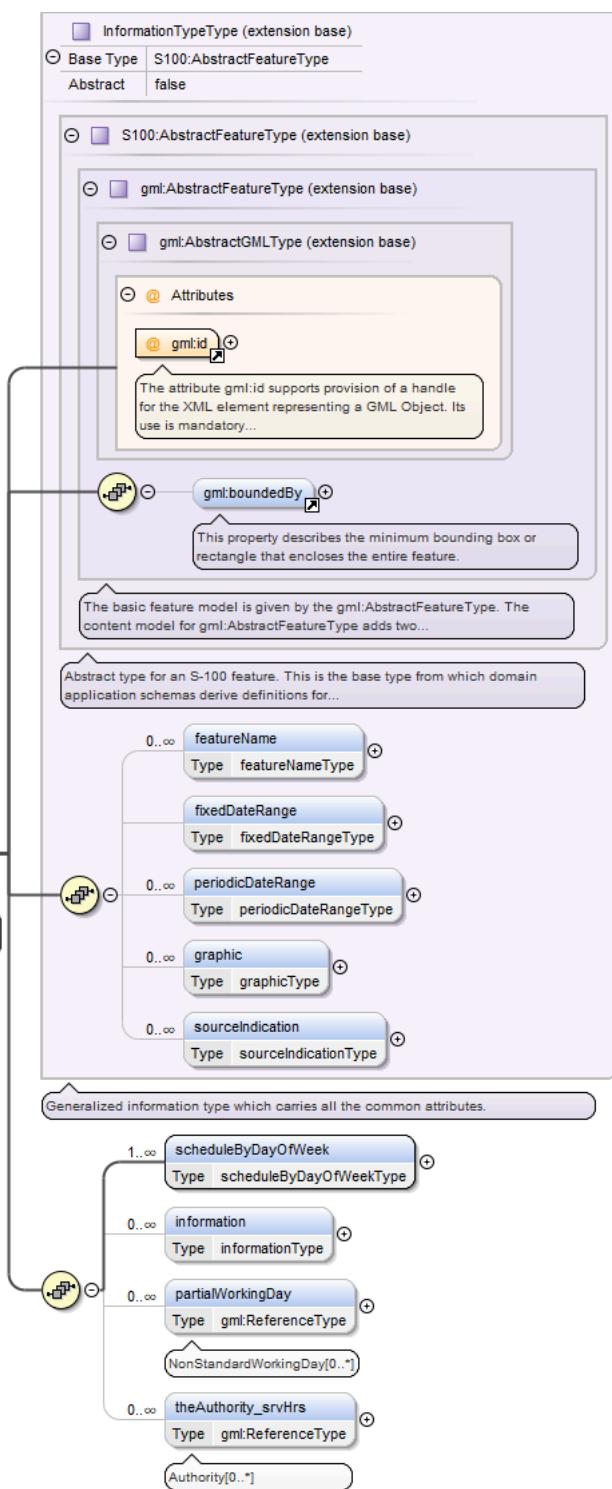


Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code> • <code>InformationTypeType</code> • <code>AbstractRxNType</code> • <code>RestrictionsType</code> 						
Properties	<code>abstract:</code> <code>false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

Complex Type ServiceHoursType

Namespace	http://www.ihc.int/S131/2.0
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* , scheduleBy-DayOfWeek+ , information* , partialWorkingDay* , 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.

Complex Type SpatialQualityType

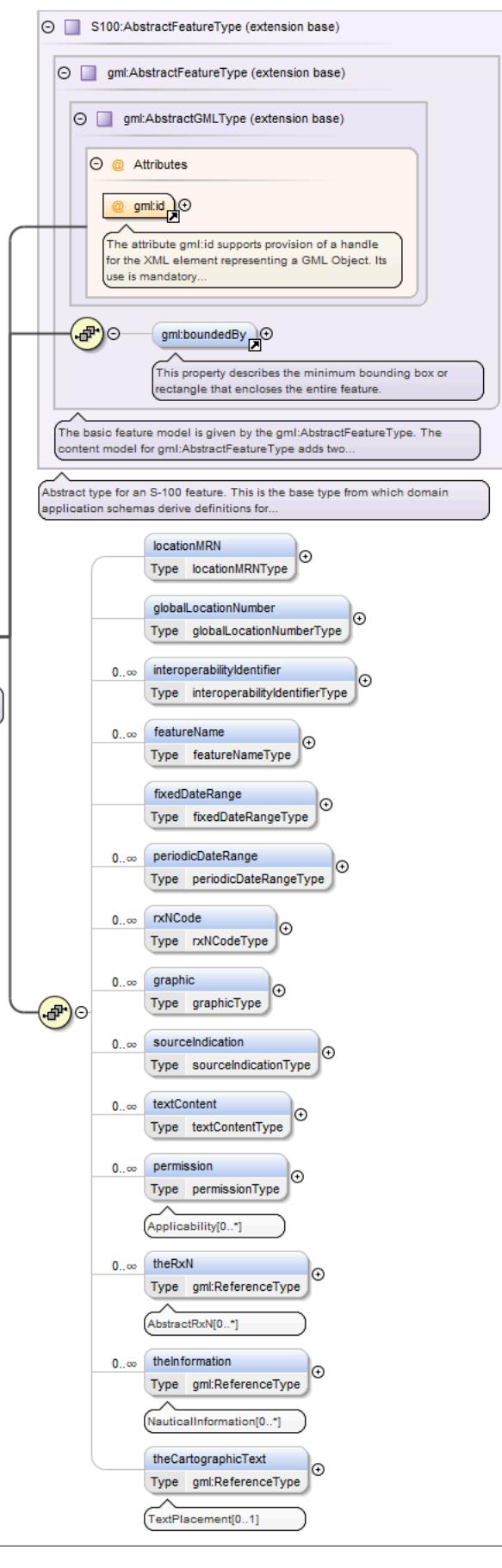
Namespace	http://www.ihc.int/S131/2.0		
Annotations	The indication of the quality of the locational information for features in a dataset.		
Diagram	<pre> classDiagram S100::AbstractFeatureType < -- gml::AbstractFeatureType gml::AbstractFeatureType < -- gml::AbstractGMLType gml::AbstractGMLType < -- Attributes Attributes < -- gml:id SpatialQualityType < -- S100::AbstractFeatureType </pre> <p>The diagram illustrates the inheritance path of the <code>SpatialQualityType</code> class. It starts with <code>S100:AbstractFeatureType</code> (extension base), which is a specialization of <code>gml:AbstractFeatureType</code> (extension base). This in turn is a specialization of <code>gml:AbstractGMLType</code> (extension base). The <code>gml:AbstractGMLType</code> class contains an attribute named <code>gml:id</code>, which is described as supporting provision of a handle for the XML element representing a GML Object. Its use is mandatory. The <code>gml:AbstractFeatureType</code> class adds two properties: <code>gml:boundedBy</code> (described as the minimum bounding box or rectangle that encloses the entire feature) and <code>qualityOfHorizontalMeasurement</code> (described as the basic feature model given by the <code>gml:AbstractFeatureType</code>). The <code>SpatialQualityType</code> class is defined as an extension of <code>S100:AbstractFeatureType</code>. It also includes the <code>gml:boundedBy</code> property and the <code>qualityOfHorizontalMeasurement</code> property. Additionally, it has a relationship named <code>spatialAccuracy</code> with multiplicity 0..oo, which is associated with the <code>spatialAccuracyType</code>.</p>		
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*		
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.

Complex Type **FeatureTypeType**

Namespace	http://www.ihc.int/S131/2.0
Annotations	Generalized feature type which carries all the common attributes.

Diagram



Type	extension of AbstractFeatureType
------	----------------------------------

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

Complex Type permissionType

Namespace	http://www.ihc.int/S131/2.0																																								
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 permissionType { <<Association class for associations describing whether the subsets of vessels determined by the ship characteristics...>> } class gmlReferenceType { <<Base Type gml:ReferenceType ... gml:ReferenceType (extension base) gmt:OwnershipAttributeGroup gmt:AssociationAttributeGroup PermissionType } permissionType < -- gmlReferenceType permissionType "1" -- "0..1" PermissionType </pre>																																								
Type	extension of <code>gml:ReferenceType</code>																																								
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:ReferenceType</code> • <code>permissionType</code> 																																								
Used by	Element FeatureTypeType/permission																																								
Model	PermissionType																																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><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> </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
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																																					

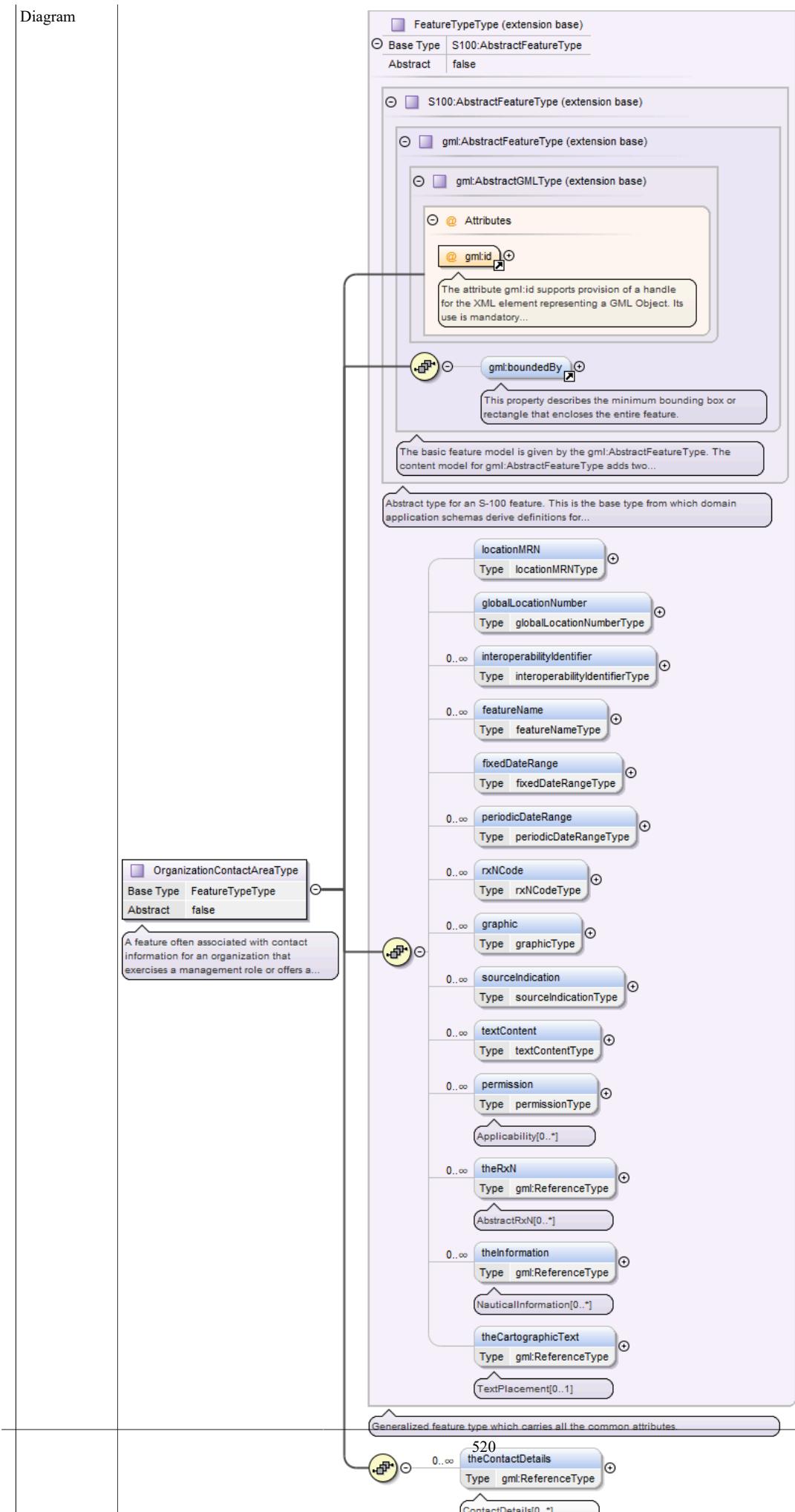
QName	Type	Fixed	Default	Use
xlink:title	xlink:titleAttrType			optional
xlink:type	xlink:typeType	simple		optional

Complex Type PermissionTypeType

Namespace	http://www.ihc.int/S131/2.0									
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 { @ Attributes @ gml:id categoryOfRelationship "0..1" --> "1" categoryOfRelationshipType } class categoryOfRelationshipType </pre>									
Used by	Element permissionType/PermissionType									
Model	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>	QName	Type	Use	gml:id	ID	optional	<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								

Complex Type OrganizationContactAreaType

Namespace	http://www.ihc.int/S131/2.0			
Annotations	A feature often associated with contact information for an organization that exercises a management role or offers a service in the location.			

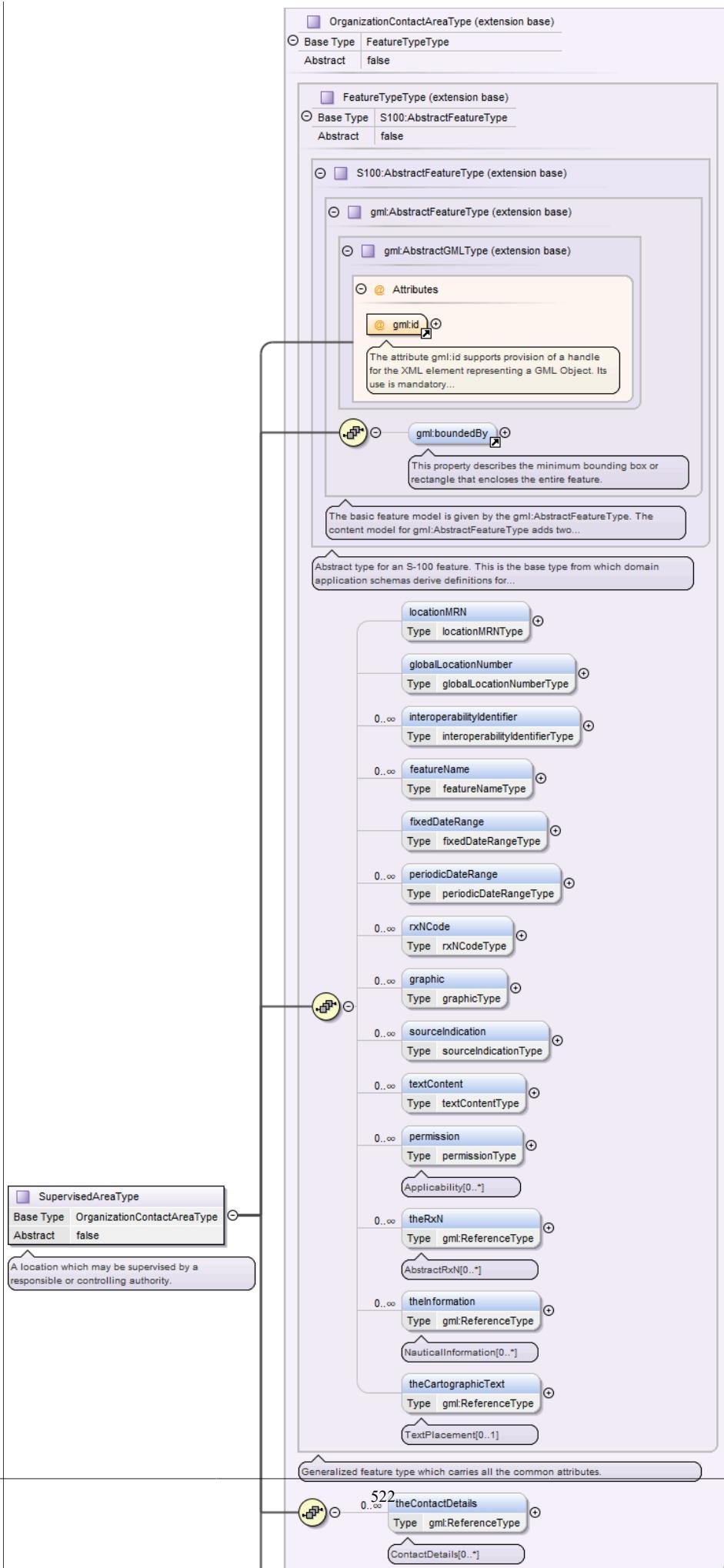


Type	extension of FeatureTypeType		
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code> • <code>FeatureTypeType</code> • <code>OrganizationContactAreaType</code> 		
Properties	<code>abstract:</code> false		
Used by	Complex Type SupervisedAreaType		
Model	<code>gml:boundedBy{0,1}</code> , <code>locationMRN{0,1}</code> , <code>globalLocationNumber{0,1}</code> , <code>interoperabilityIdentifier*</code> , <code>featureName*</code> , <code>fixedDateRange{0,1}</code> , <code>periodicDateRange*</code> , <code>rxNCode*</code> , <code>graphic*</code> , <code>sourceIndication*</code> , <code>textContent*</code> , <code>permission*</code> , <code>theRxN*</code> , <code>theInformation*</code> , <code>theCartographicText{0,1}</code> , <code>theContactDetails*</code>		
Attributes	QName <code>gml:id</code>	Type ID	Use 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.	

Complex Type SupervisedAreaType

Namespace	http://www.ihc.int/S131/2.0
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 HarbourPhysicalInfrastructureType, LayoutType								
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1}								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	gml:id	ID	required	<p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	
QName	Type	Use							
gml:id	ID	required							

Complex Type HarbourPhysicalInfrastructureType

Namespace	http://www.ihc.int/S131/2.0
Annotations	The physical installations and facilities that support operations in a port or harbour.

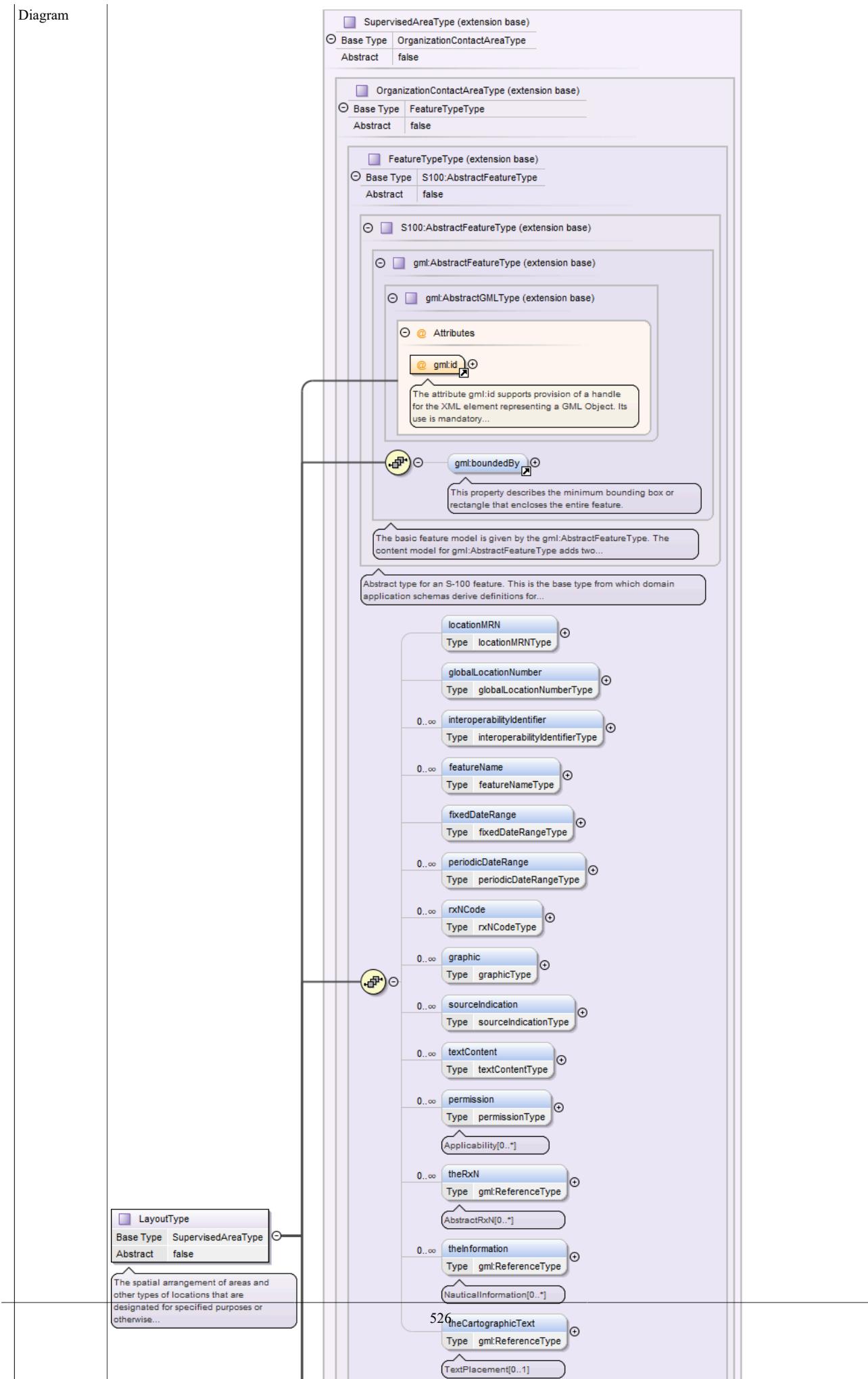
Diagram



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 • HarbourPhysicalInfrastructureType 		
Properties	abstract: false		
Used by	Complex Types AutomatedGuidedVehicleType, BollardType, DolphinType, DryDockType, FloatingDockType, GridironType, HarbourFacilityType, LockBasinPartType, LockBasinType, MooringBuoyType, OnshorePowerFacilityType, ShipLiftType, StraddleCarrierType		
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , infrastructureLocation{0,1}		
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>		

Complex Type LayoutType

Namespace	http://www.ihc.int/S131/2.0
Annotations	The spatial arrangement of areas and other types of locations that are designated for specified purposes or otherwise distinguished from other areas and locations.

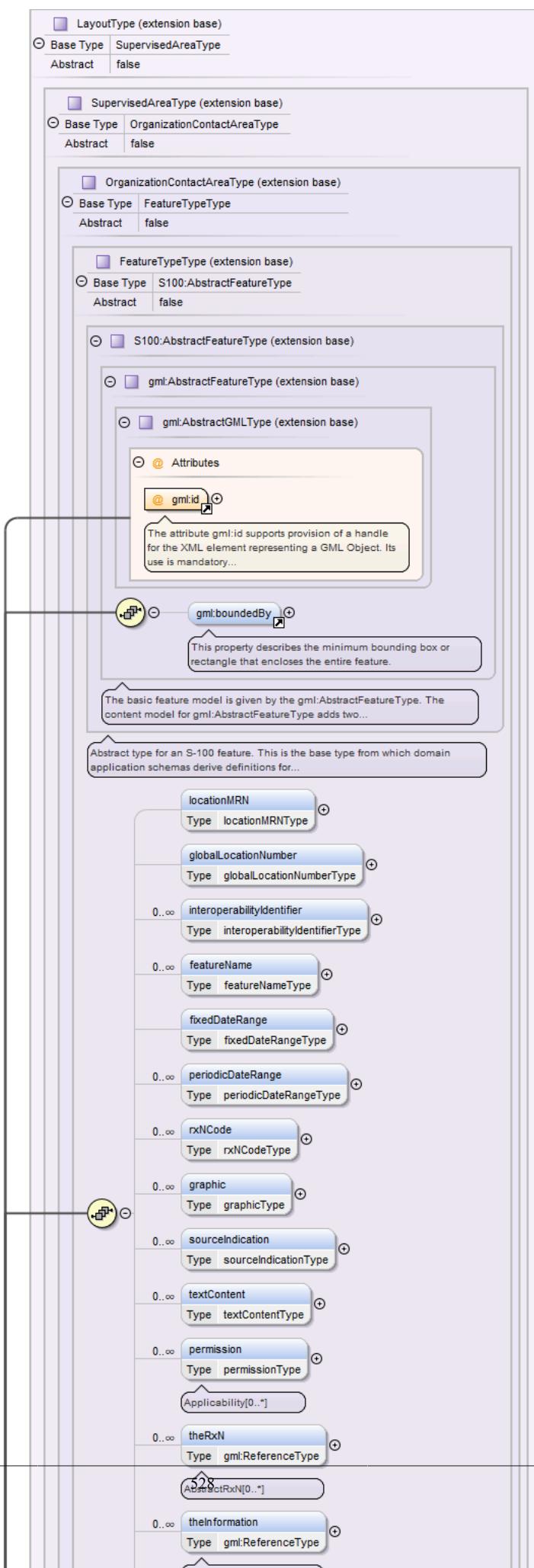


Type	extension of SupervisedAreaType								
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code> • <code>FeatureTypeType</code> • <code>OrganizationContactAreaType</code> • <code>SupervisedAreaType</code> • <code>LayoutType</code> 								
Properties	<code>abstract:</code> <code>false</code>								
Used by	Complex Types								
AnchorBerthType, AnchorageAreaType, BerthPositionType, BerthType, DockAreaType, Dumping-GroundType, FenderLineType, HarbourAreaAdministrativeType, HarbourAreaSectionType, Harbour-BasinType, MooringWarpingFacilityType, OuterLimitType, PilotBoardingPlaceType, SeaplaneLandingAreaType, TerminalType, TurningBasinType, WaterwayAreaType									
Model	<code>gml:boundedBy{0,1}</code> , <code>locationMRN{0,1}</code> , <code>globalLocationNumber{0,1}</code> , <code>interoperabilityIdentifier*</code> , <code>featureName*</code> , <code>fixedDateRange{0,1}</code> , <code>periodicDateRange*</code> , <code>rxNCode*</code> , <code>graphic*</code> , <code>sourceIndication*</code> , <code>textContent*</code> , <code>permission*</code> , <code>theRxN*</code> , <code>theInformation*</code> , <code>theCartographicText{0,1}</code> , <code>theContactDetails*</code> , <code>controlAuthority{0,1}</code>								
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>gml:id</code></td><td>ID</td><td>required</td></tr> </tbody> </table>			QName	Type	Use	<code>gml:id</code>	ID	required
QName	Type	Use							
<code>gml:id</code>	ID	required							
	<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>								

Complex Type AnchorBerthType

Namespace	http://www.ihc.int/S131/2.0
Annotations	A designated area of water where a vessel, sea plane, etc., may anchor.

Diagram

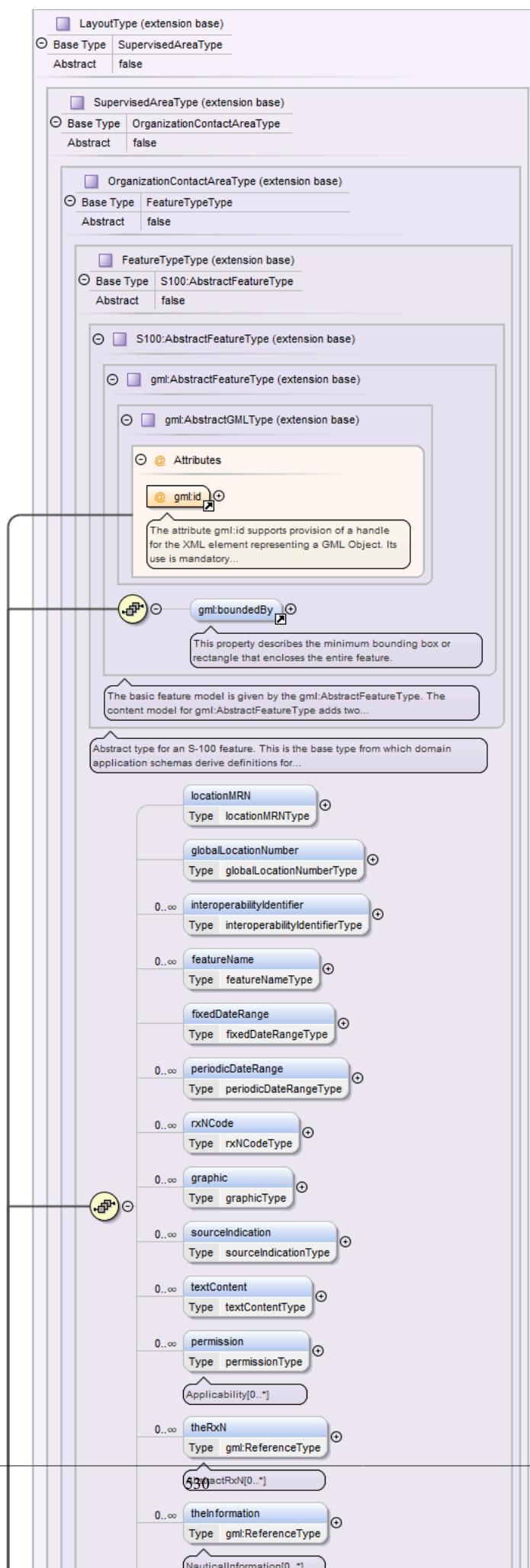


Type	extension of LayoutType														
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code> • <code>FeatureTypeType</code> • <code>OrganizationContactAreaType</code> • <code>SupervisedAreaType</code> • <code>LayoutType</code> • <code>AnchorBerthType</code> 														
Properties	<code>abstract:</code> <code>false</code>														
Used by	Element <code>AnchorBerth</code>														
Model	<code>gml:boundedBy{0,1}</code> , <code>locationMRN{0,1}</code> , <code>globalLocationNumber{0,1}</code> , <code>interoperabilityIdentifier*</code> , <code>featureName*</code> , <code>fixedDateRange{0,1}</code> , <code>periodicDateRange*</code> , <code>rxNCode*</code> , <code>graphic*</code> , <code>sourceIndication*</code> , <code>textContent*</code> , <code>permission*</code> , <code>theRxN*</code> , <code>theInformation*</code> , <code>theCartographicText{0,1}</code> , <code>theContactDetails*</code> , <code>controlAuthority{0,1}</code> , <code>categoryOfAnchorage*</code> , <code>categoryOfCargo*</code> , <code>radius{0,1}</code> , <code>serviceDescriptionReference{0,1}</code> , <code>facilityOperatingHours{0,1}</code> , <code>auxiliaryFacility*</code> , <code>geometry+</code>														
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> <tr> <td></td> <td colspan="3"> 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.														

Complex Type AnchorageAreaType

Namespace	http://www.ihc.int/S131/2.0
Annotations	An area in which vessels or seaplanes anchor or may anchor.

Diagram

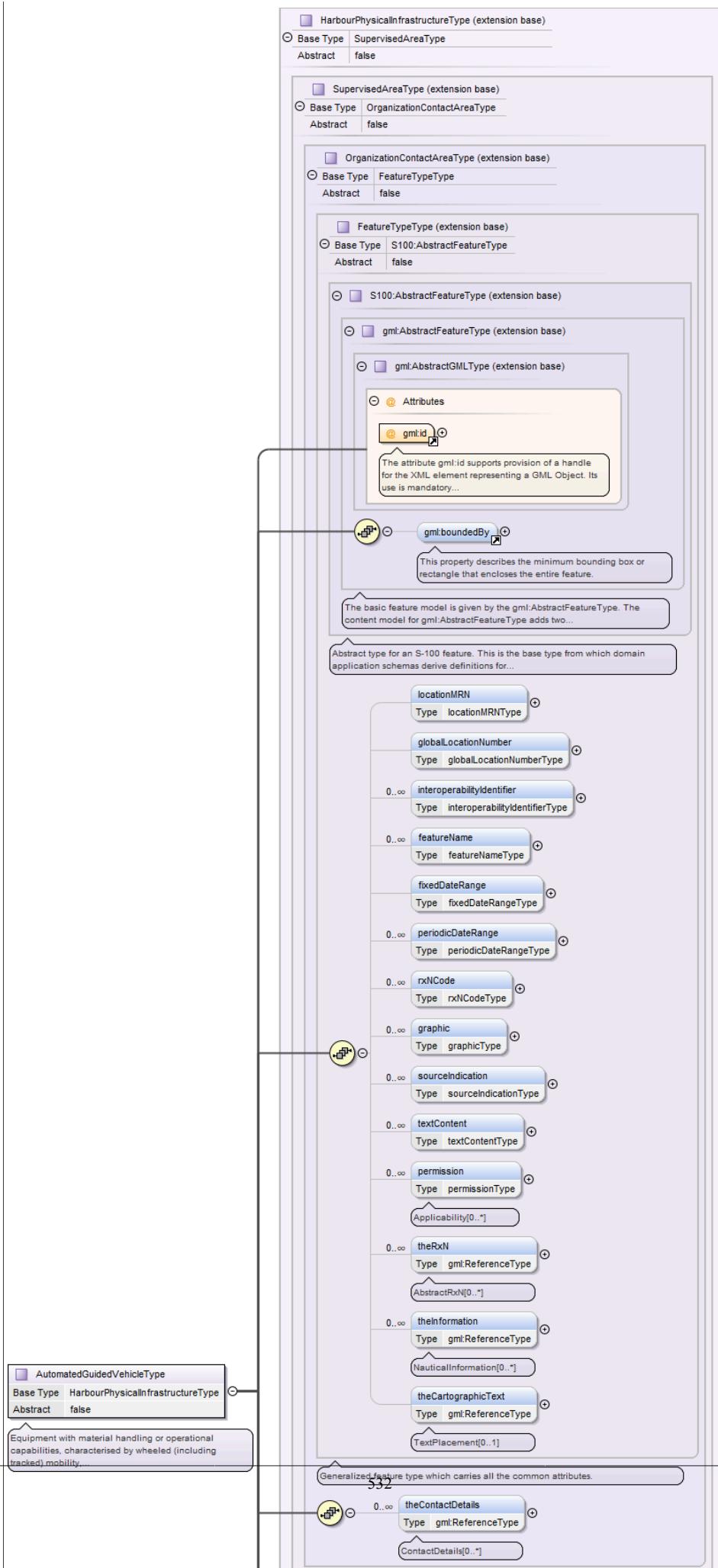


Type	extension of LayoutType											
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • LayoutType • AnchorageAreaType 											
Properties	abstract: false											
Used by	Element AnchorageArea											
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDataRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , categoryOfAnchorage* , iSPSLevel{0,1} , categoryOfCargo* , locationByText{0,1} , depthsDescription{0,1} , markedBy{0,1} , facilityOperatingHours{0,1} , componentOf , geometry+											
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> </tr> <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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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.										

Complex Type AutomatedGuidedVehicleType

Namespace	http://www.ihc.int/S131/2.0
Annotations	Equipment with material handling or operational capabilities, characterised by wheeled (including tracked) mobility, and which autonomously moves along a preset route based on environmental markers or external guidance signals.

Diagram

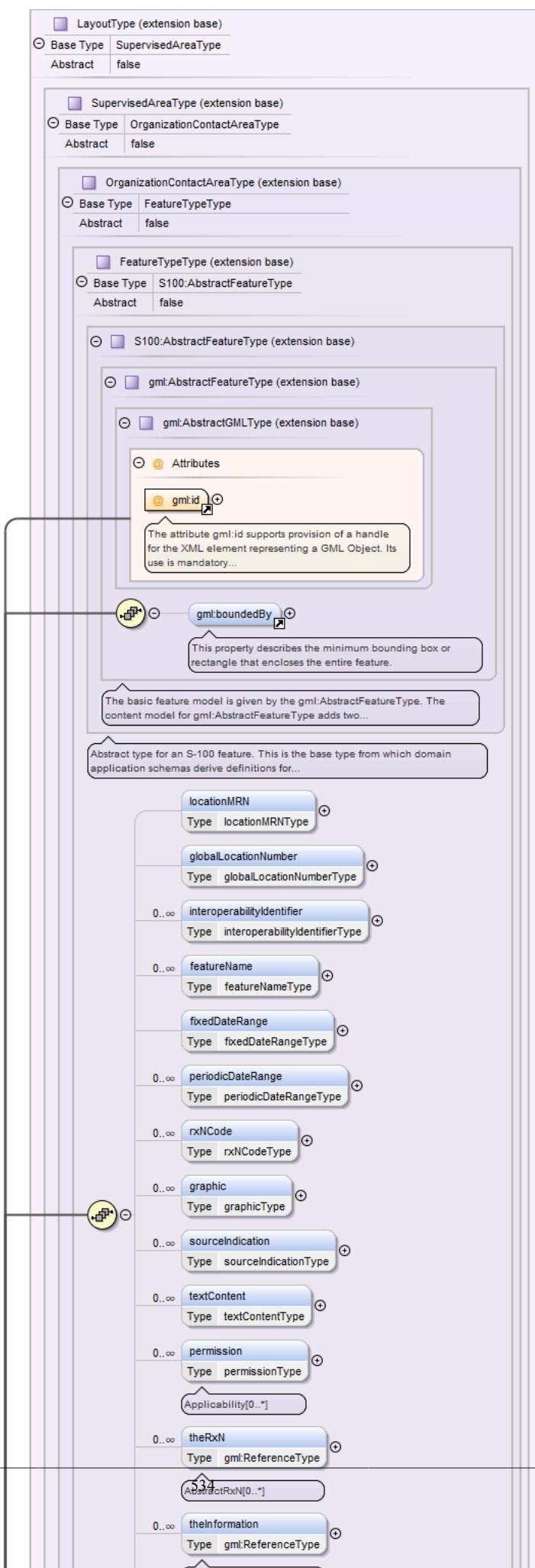


Type	extension of HarbourPhysicalInfrastructureType											
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • HarbourPhysicalInfrastructureType • AutomatedGuidedVehicleType 											
Properties	abstract: false											
Used by	Element AutomatedGuidedVehicle											
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , infrastructureLocation{0,1} , facilityOperatingHours{0,1} , geometry+											
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> </tr> <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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Complex Type BerthType

Namespace	http://www.ihc.int/S131/2.0
Annotations	A place, generally named or numbered, where a vessel may moor or anchor.

Diagram

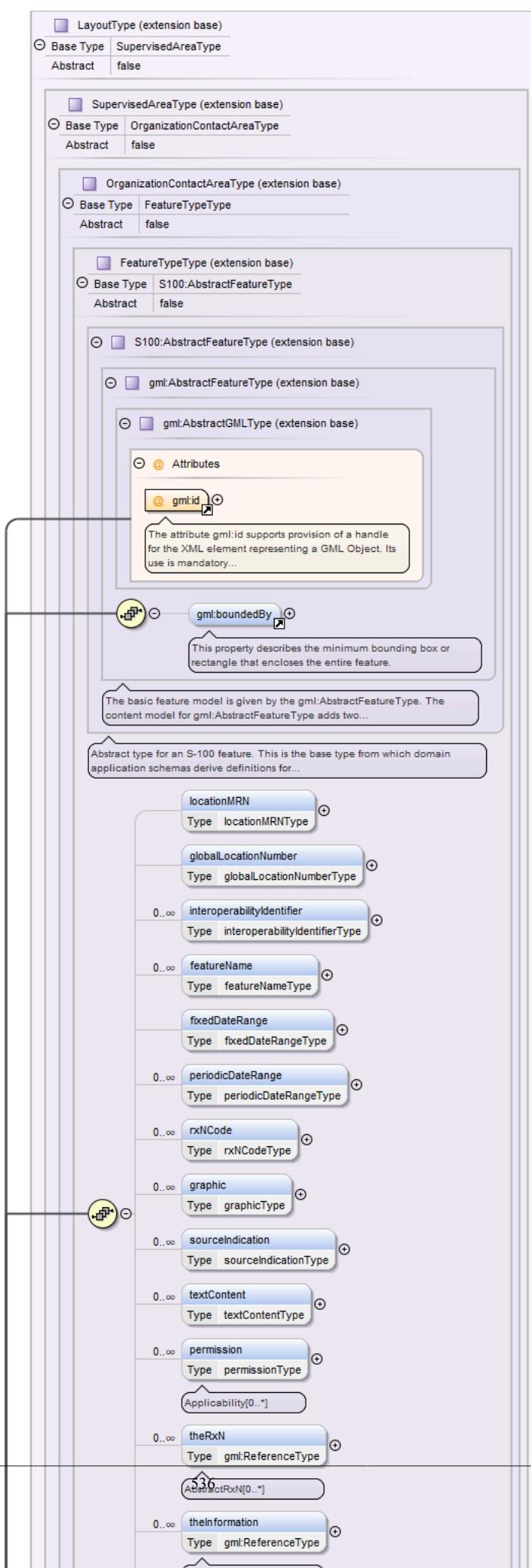


Type	extension of LayoutType								
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • LayoutType • BerthType 								
Properties	abstract: false								
Used by	Element Berth								
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , availableBerthingLength{0,1} , bollardDescription{0,1} , safeWorkingLoad{0,1} , minimumBerthDepth{0,1} , elevation{0,1} , cathodicProtectionSystem{0,1} , categoryOfBerthLocation{0,1} , portFacilityNumber{0,1} , bollardNumber{0,2} , gLNExtension{0,1} , metreMarkNumber{0,2} , manifoldNumber{0,2} , rampNumber{0,1} , locationByText{0,1} , methodOfSecuring{0,1} , uNLocationCode , terminalIdentifier{0,1} , shorePowerDescription{0,1} , categoryOfFrequency* , categoryOfVoltage* , categoryOfPlug* , categoryOfCargo* , serviceDescriptionReference{0,1} , facilityOperatingHours{0,1} , demarcationIndicator* , componentOf , geometry+								
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>	QName	Type	Use	gml:id	ID	required	<p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	
QName	Type	Use							
gml:id	ID	required							

Complex Type BerthPositionType

Namespace	http://www.ihc.int/S131/2.0
Annotations	A specific position within a berth where a vessel may be moored or anchored.

Diagram

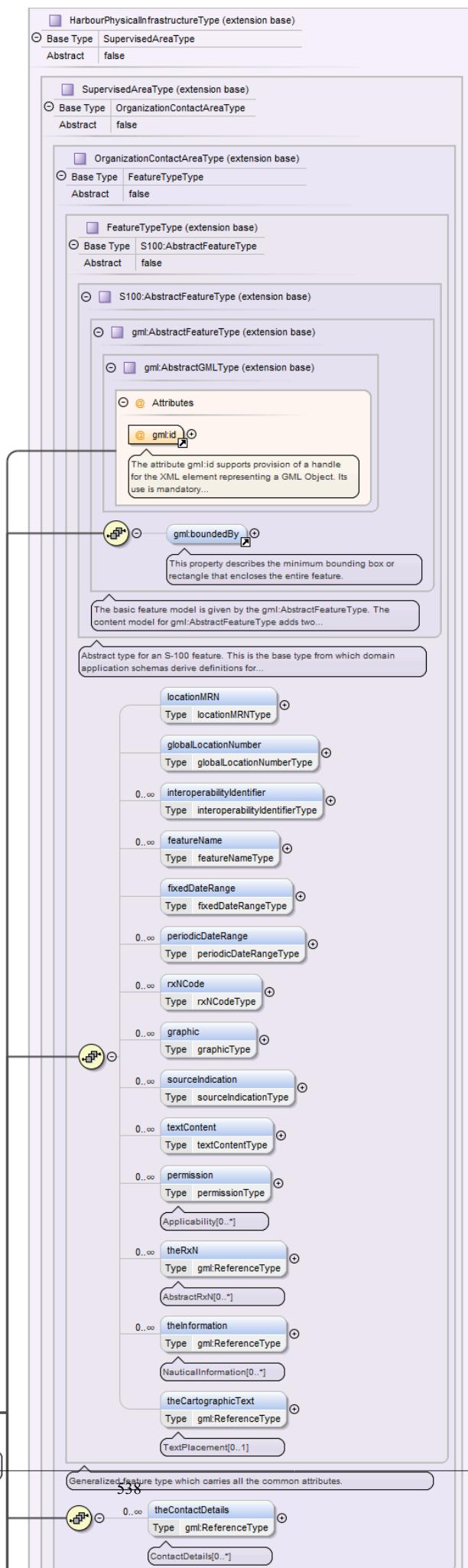


Type	extension of LayoutType														
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code> • <code>FeatureTypeType</code> • <code>OrganizationContactAreaType</code> • <code>SupervisedAreaType</code> • <code>LayoutType</code> • <code>BerthPositionType</code> 														
Properties	<code>abstract:</code> <code>false</code>														
Used by	Element <code>BerthPosition</code>														
Model	<code>gml:boundedBy{0,1}</code> , <code>locationMRN{0,1}</code> , <code>globalLocationNumber{0,1}</code> , <code>interoperabilityIdentifier*</code> , <code>featureName*</code> , <code>fixedDateRange{0,1}</code> , <code>periodicDateRange*</code> , <code>rxNCode*</code> , <code>graphic*</code> , <code>sourceIndication*</code> , <code>textContent*</code> , <code>permission*</code> , <code>theRxN*</code> , <code>theInformation*</code> , <code>theCartographicText{0,1}</code> , <code>theContactDetails*</code> , <code>controlAuthority{0,1}</code> , <code>bollardNumber{0,1}</code> , <code>gLNExtension{0,1}</code> , <code>metreMarkNumber{0,1}</code> , <code>manifoldNumber{0,1}</code> , <code>rampNumber{0,1}</code> , <code>locationByText{0,1}</code> , <code>demarcatedFeature</code> , <code>auxiliaryFacility*</code> , <code>geometry+</code>														
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Complex Type `BollardType`

Namespace	http://www.ihc.int/S131/2.0
Annotations	Small shaped post, mounted on a wharf or dolphin used to secure ship's lines.

Diagram

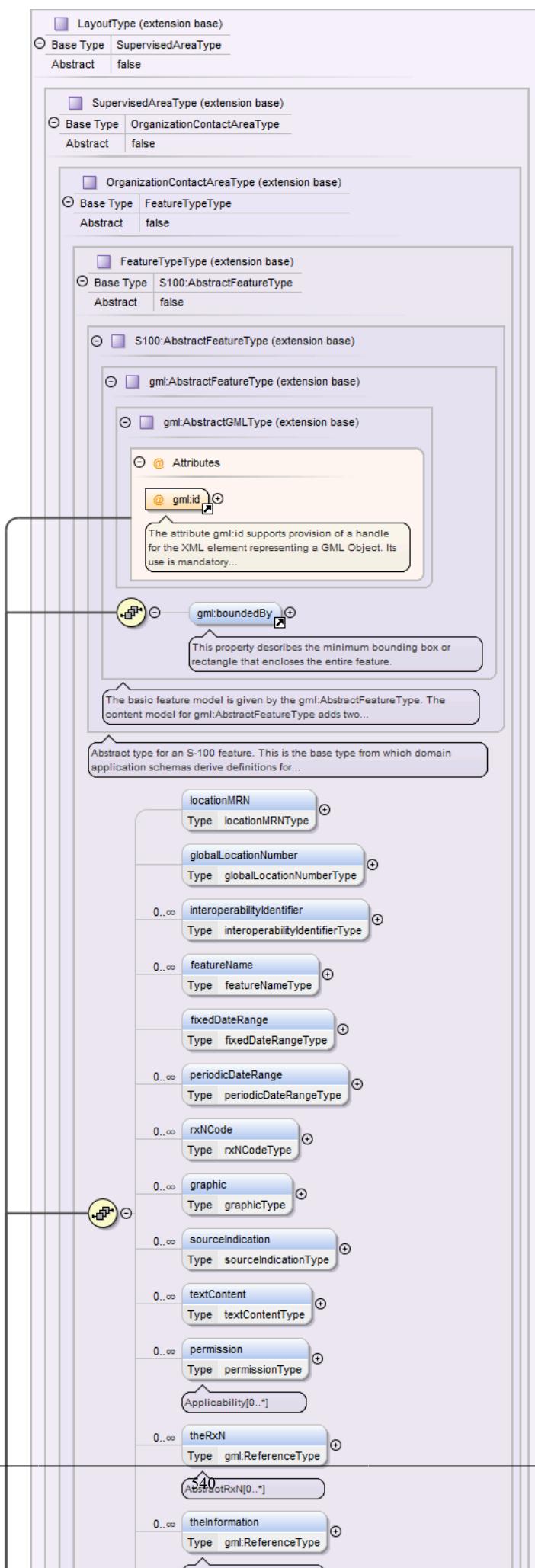


Type	extension of HarbourPhysicalInfrastructureType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • HarbourPhysicalInfrastructureType • BollardType 														
Properties	abstract: false														
Used by	Element Bollard														
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , infrastructureLocation{0,1} , height{0,1} , verticalLength{0,1} , safeWorkingLoad{0,1} , geometry+														
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.														

Complex Type DockAreaType

Namespace	http://www.ihc.int/S131/2.0
Annotations	An artificially enclosed area within which ships may moor and which may have gates to regulate water level.

Diagram

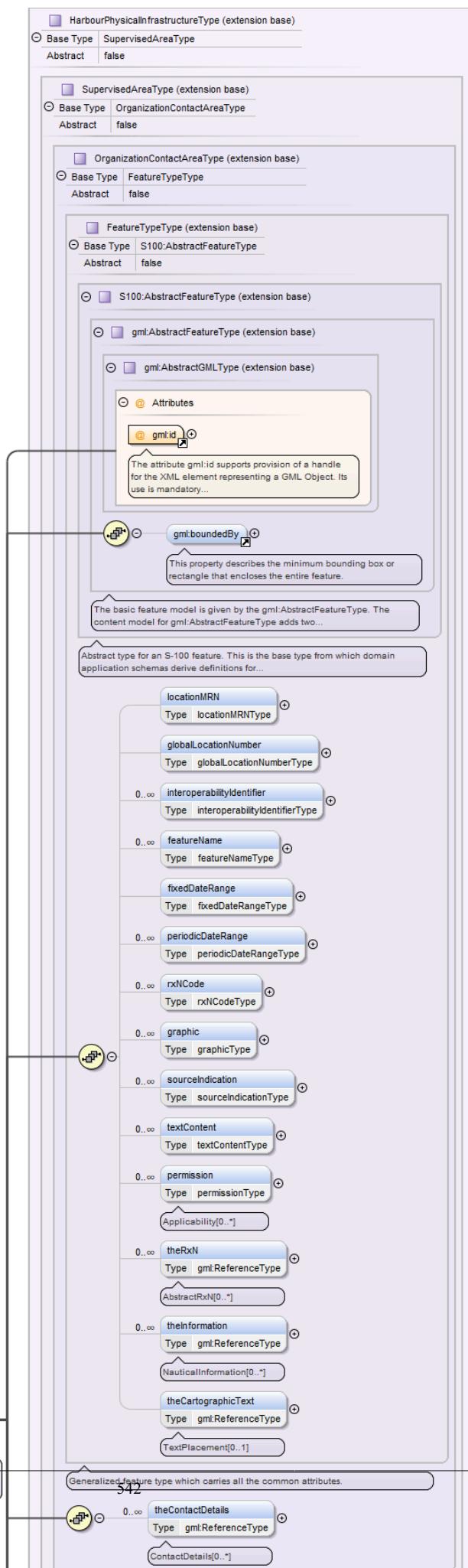


Type	extension of LayoutType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • LayoutType • DockAreaType 										
Properties	abstract: false										
Used by	Element DockArea										
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDataRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , depthsDescription{0,1} , locationByText{0,1} , markedBy{0,1} , iSPSLevel{0,1} , serviceDescriptionReference{0,1} , facilityOperatingHours{0,1} , componentOf , geometry+										
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QName	Type	Use									
gml:id	ID	required									

Complex Type DryDockType

Namespace	http://www.ihc.int/S131/2.0
Annotations	An artificial basin fitted with a gate or caisson, into which vessels can be floated and the water pumped out to expose the vessel's bottom. Also called graving dock.

Diagram

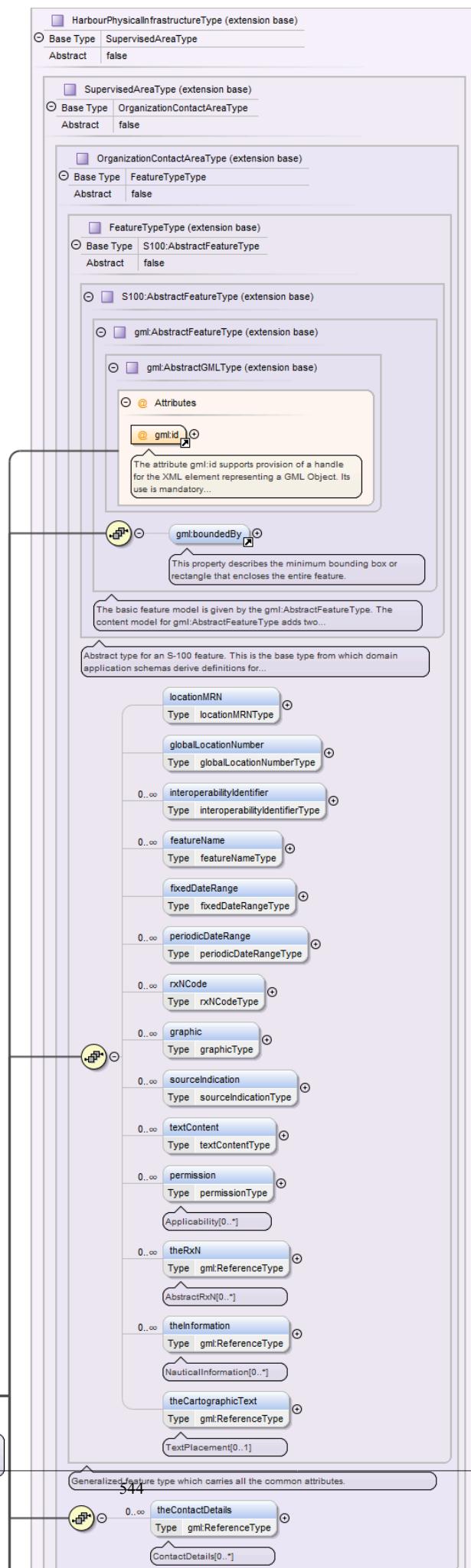


Type	extension of HarbourPhysicalInfrastructureType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • HarbourPhysicalInfrastructureType • DryDockType 										
Properties	abstract: false										
Used by	Element DryDock										
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , infrastructureLocation{0,1} , sillDepth{0,1} , verticalClearanceValue{0,1} , facilityOperatingHours{0,1} , geometry+										
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>gml:id</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		gml:id	ID	required			
QName	Type	Use									
gml:id	ID	required									

Complex Type DolphinType

Namespace	http://www.ihc.int/S131/2.0
Annotations	A post or group of posts, used for mooring or warping a vessel, or as an aid to navigation. The dolphin may be in the water, on a wharf or on the beach.

Diagram

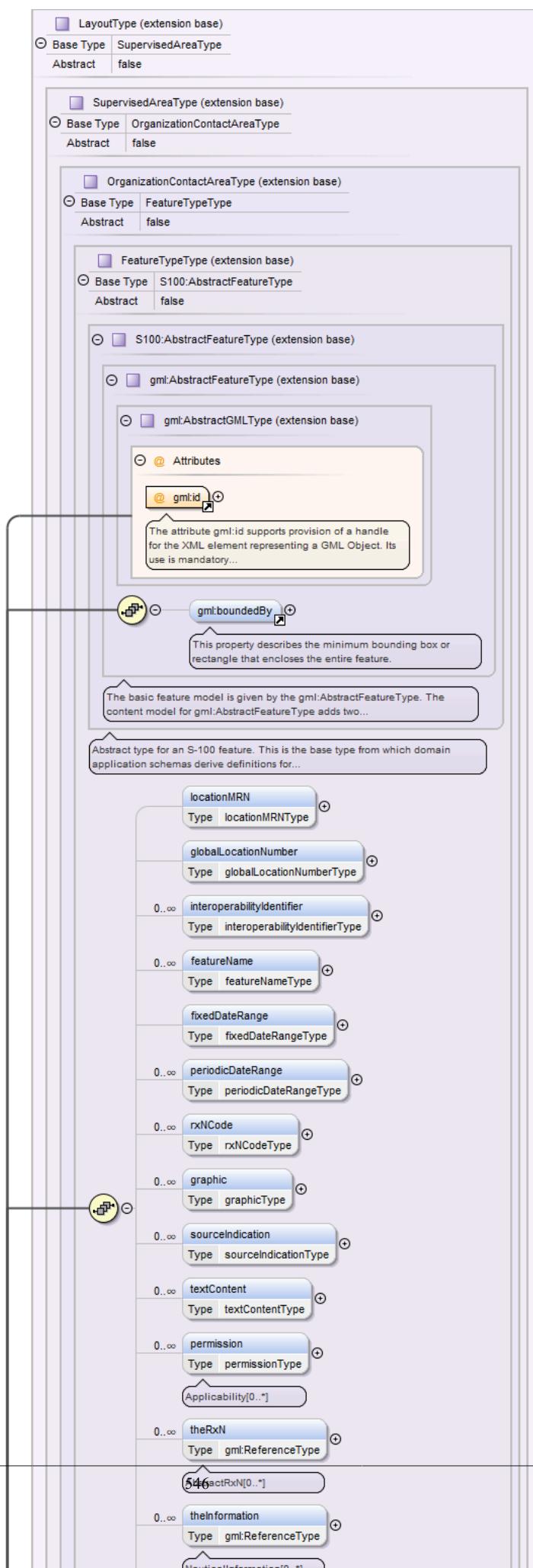


Type	extension of HarbourPhysicalInfrastructureType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • HarbourPhysicalInfrastructureType • DolphinType 										
Properties	abstract: false										
Used by	Element Dolphin										
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , infrastructureLocation{0,1} , categoryOfDolphin+ , geometry+										
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>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									

Complex Type DumpingGroundType

Namespace	http://www.ihc.int/S131/2.0
Annotations	A sea area where dredged material or other potentially more harmful material, for example explosives, chemical waste, is deliberately deposited.

Diagram

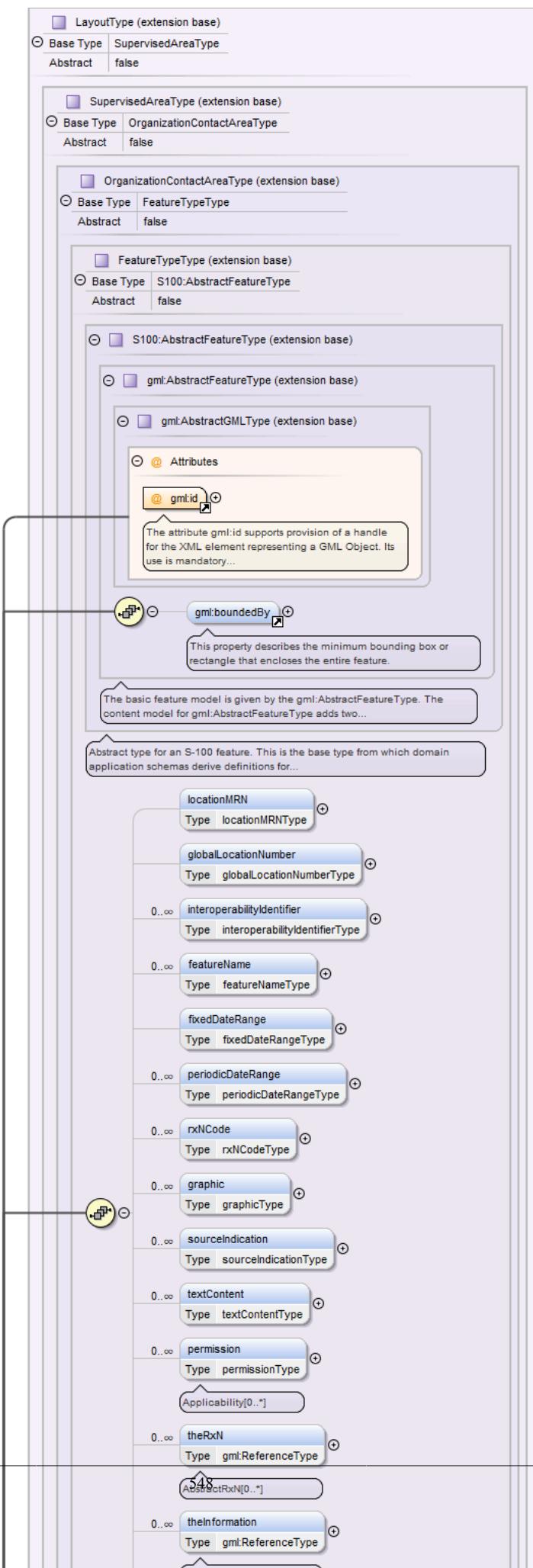


Type	extension of LayoutType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • LayoutType • DumpingGroundType 										
Properties	abstract: false										
Used by	Element DumpingGround										
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDataRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , depthsDescription{0,1} , locationByText{0,1} , markedBy{0,1} , iSPSLevel{0,1} , facilityOperatingHours{0,1} , componentOf , geometry+										
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QName	Type	Use									
gml:id	ID	required									

Complex Type FenderLineType

Namespace	http://www.ihc.int/S131/2.0
Annotations	An imaginary line parallel to a face of a berth or quay which touches the seaward face of the fenders.

Diagram

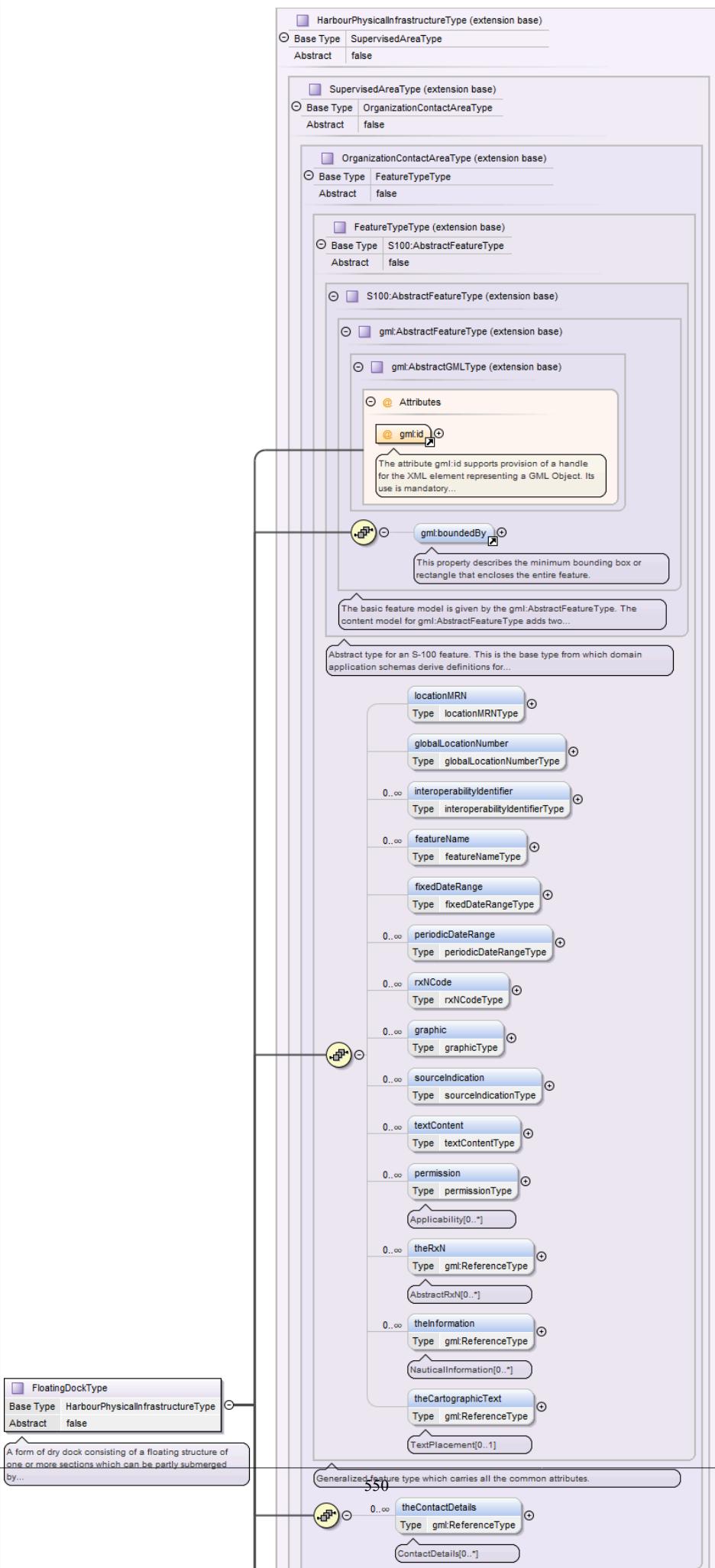


Type	extension of LayoutType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • LayoutType • FenderLineType 										
Properties	abstract: false										
Used by	Element FenderLine										
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , orientation{0,1} , componentOf , geometry+										
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QName	Type	Use									
gml:id	ID	required									

Complex Type FloatingDockType

Namespace	http://www.ihc.int/S131/2.0
Annotations	A form of dry dock consisting of a floating structure of one or more sections which can be partly submerged by controlled flooding to receive a vessel, then raised by pumping out the water so that the vessel's bottom can be exposed.

Diagram

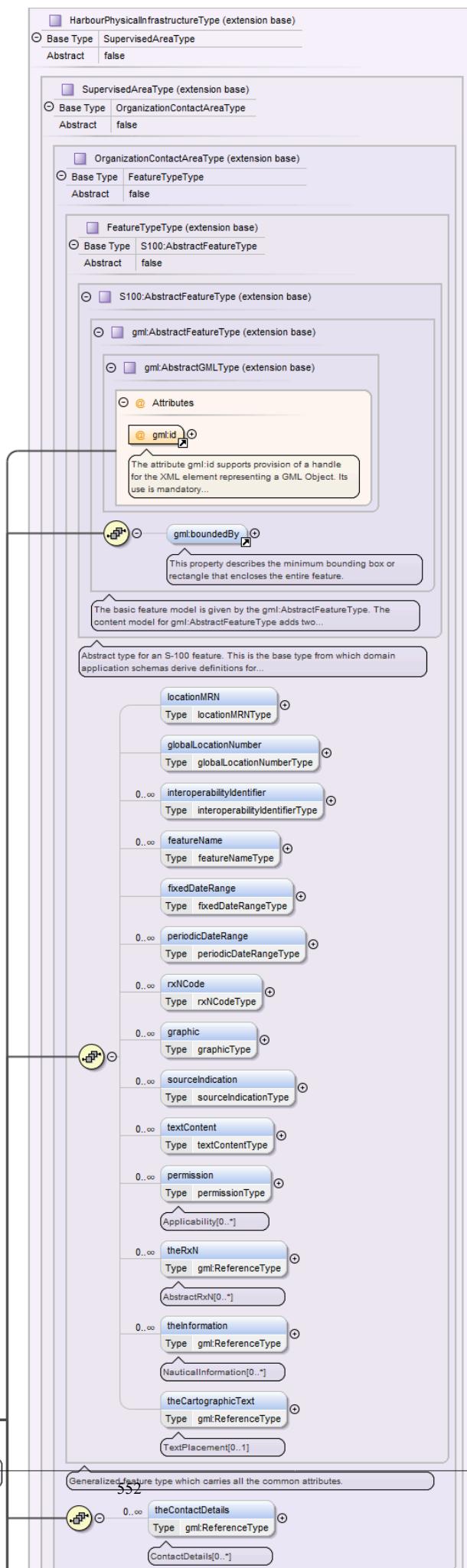


Type	extension of HarbourPhysicalInfrastructureType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • HarbourPhysicalInfrastructureType • FloatingDockType 														
Properties	abstract: false														
Used by	Element FloatingDock														
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , infrastructureLocation{0,1} , sillDepth{0,1} , facilityOperatingHours{0,1} , geometry+														
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.														

Complex Type GridironType

Namespace	http://www.ihc.int/S131/2.0
Annotations	A structure in the intertidal zone serving as a support for vessels at low stages of the tide to permit work on the exposed portion of the vessel's hull.

Diagram

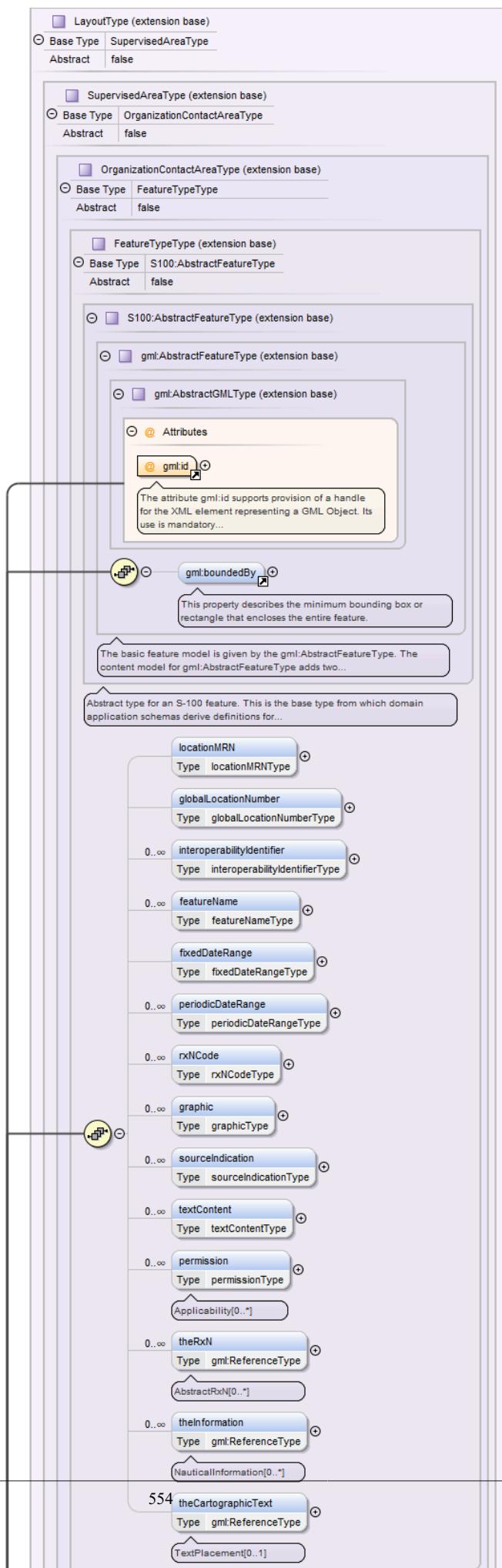


Type	extension of HarbourPhysicalInfrastructureType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • HarbourPhysicalInfrastructureType • GridironType 										
Properties	abstract: false										
Used by	Element Gridiron										
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , infrastructureLocation{0,1} , sillDepth{0,1} , verticalClearanceValue{0,1} , facilityOperatingHours{0,1} , geometry+										
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>gml:id</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		gml:id	ID	required			
QName	Type	Use									
gml:id	ID	required									

Complex Type HarbourAreaAdministrativeType

Namespace	http://www.ihc.int/S131/2.0
Annotations	The area over which a harbour authority has jurisdiction.

Diagram

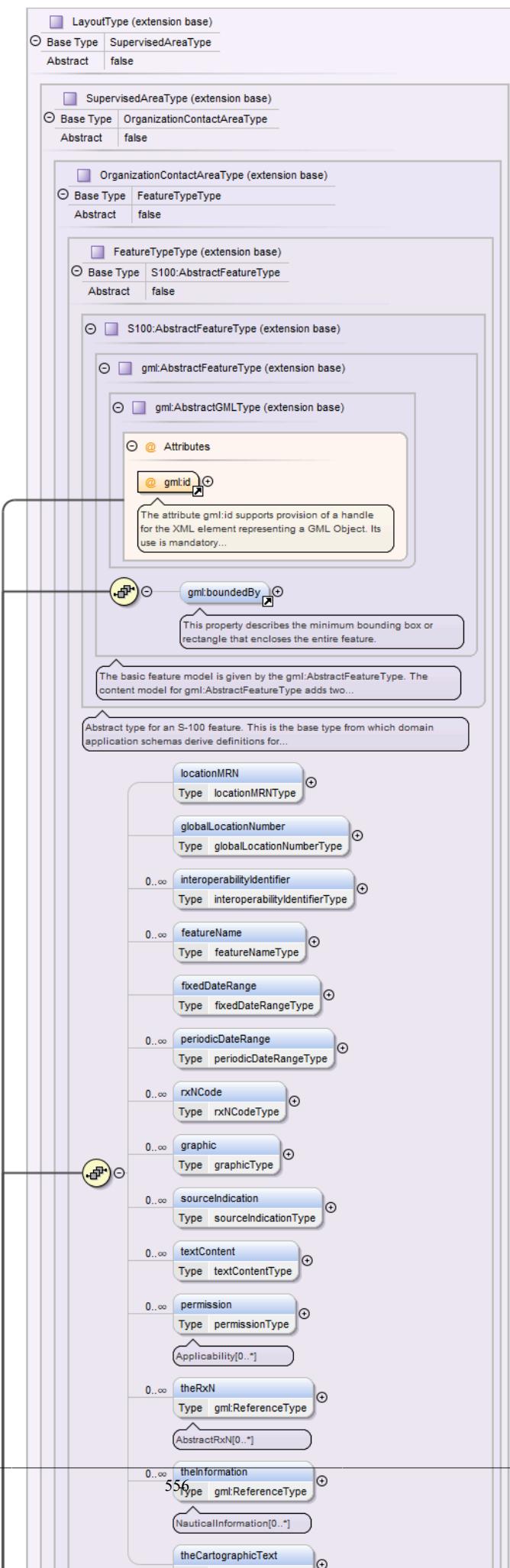


Type	extension of LayoutType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • LayoutType • HarbourAreaAdministrativeType 														
Properties	abstract: false														
Used by	Element HarbourAreaAdministrative														
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , uNLocationCode{0,1} , nationality{0,1} , applicableLoadLineZone{0,1} , iSPSLevel{0,1} , categoryOfHarbourFacility* , generalHarbourInformation{0,1} , serviceDescriptionReference{0,1} , facilityOperatingHours{0,1} , limitExtent{0,1} , layoutUnit* , geometry+														
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>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.			
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.													

Complex Type HarbourAreaSectionType

Namespace	http://www.ihc.int/S131/2.0
Annotations	A distinguishable portion of the area over which a harbour authority has jurisdiction.

Diagram

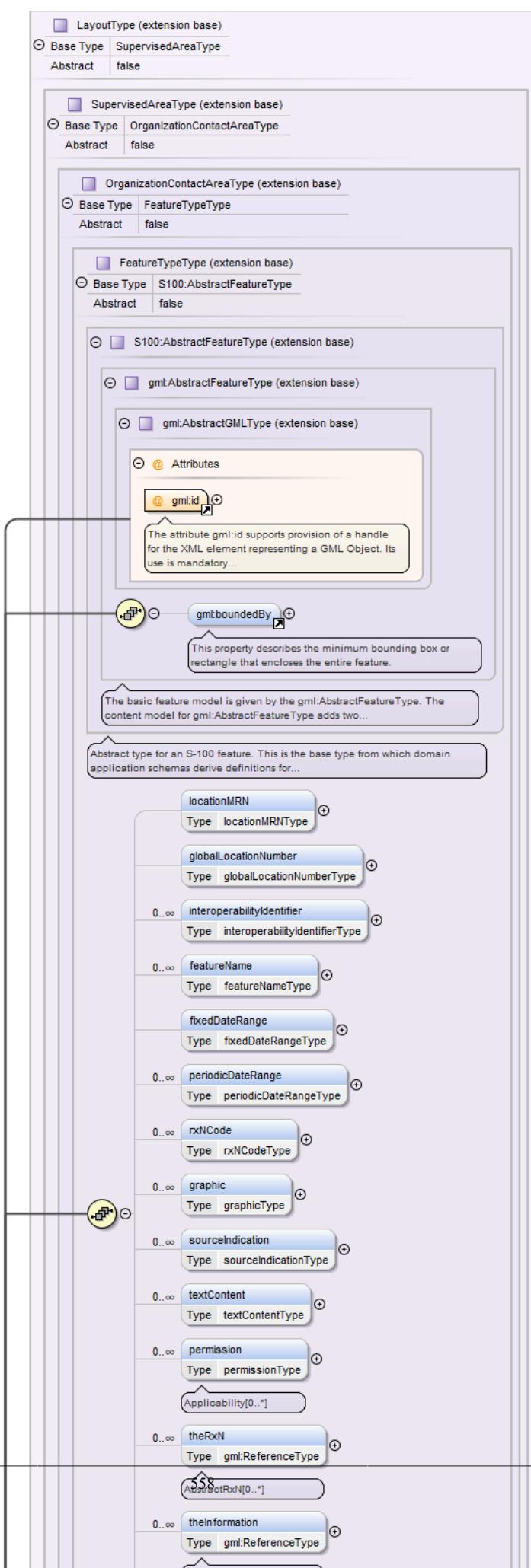


Type	extension of LayoutType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • LayoutType • HarbourAreaSectionType 										
Properties	abstract: false										
Used by	Element HarbourAreaSection										
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , categoryOfPortSection{0,1} , categoryOfHarbourFacility* , iSPSLlevel{0,1} , facilitiesLayoutDescription{0,1} , serviceDescriptionReference{0,1} , facilityOperatingHours{0,1} , componentOf{0,1} , constitute{0,1} , subUnit* , hasInfrastructure* , layoutUnit* , geometry+										
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		gml:id	ID	required		<p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	
QName	Type	Use									
gml:id	ID	required									

Complex Type HarbourBasinType

Namespace	http://www.ihc.int/S131/2.0
Annotations	An enclosed area of water surrounded by quay walls constructed to provide means for the transfer of cargos from and to ships.

Diagram

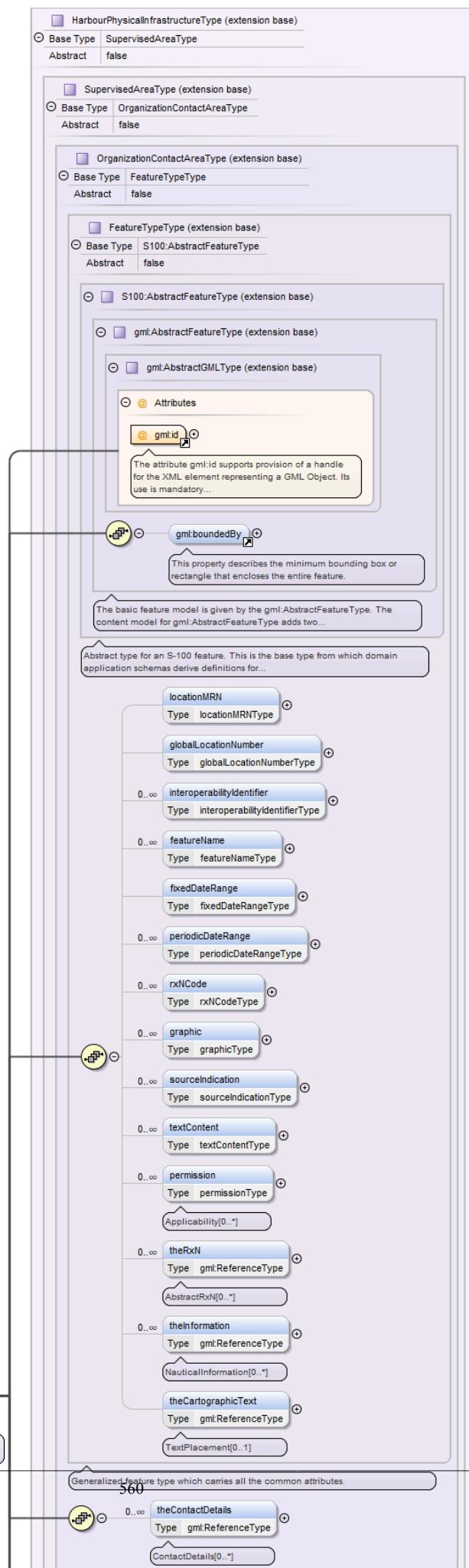


Type	extension of LayoutType														
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code> • <code>FeatureTypeType</code> • <code>OrganizationContactAreaType</code> • <code>SupervisedAreaType</code> • <code>LayoutType</code> • <code>HarbourBasinType</code> 														
Properties	<code>abstract:</code> <code>false</code>														
Used by	Element <code>HarbourBasin</code>														
Model	<code>gml:boundedBy{0,1}</code> , <code>locationMRN{0,1}</code> , <code>globalLocationNumber{0,1}</code> , <code>interoperabilityIdentifier*</code> , <code>featureName*</code> , <code>fixedDateRange{0,1}</code> , <code>periodicDateRange*</code> , <code>rxNCode*</code> , <code>graphic*</code> , <code>sourceIndication*</code> , <code>textContent*</code> , <code>permission*</code> , <code>theRxN*</code> , <code>theInformation*</code> , <code>theCartographicText{0,1}</code> , <code>theContactDetails*</code> , <code>controlAuthority{0,1}</code> , <code>depthsDescription{0,1}</code> , <code>locationByText{0,1}</code> , <code>markedBy{0,1}</code> , <code>iSPSLevel{0,1}</code> , <code>facilityOperatingHours{0,1}</code> , <code>componentOf</code> , <code>geometry+</code>														
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td><code>gml:id</code></td> <td>ID</td> <td>required</td> <td></td> </tr> <tr> <td></td> <td colspan="3"> 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.														

Complex Type HarbourFacilityType

Namespace	http://www.ihc.int/S131/2.0
Annotations	A harbour installation with a service or commercial operation of public interest.

Diagram

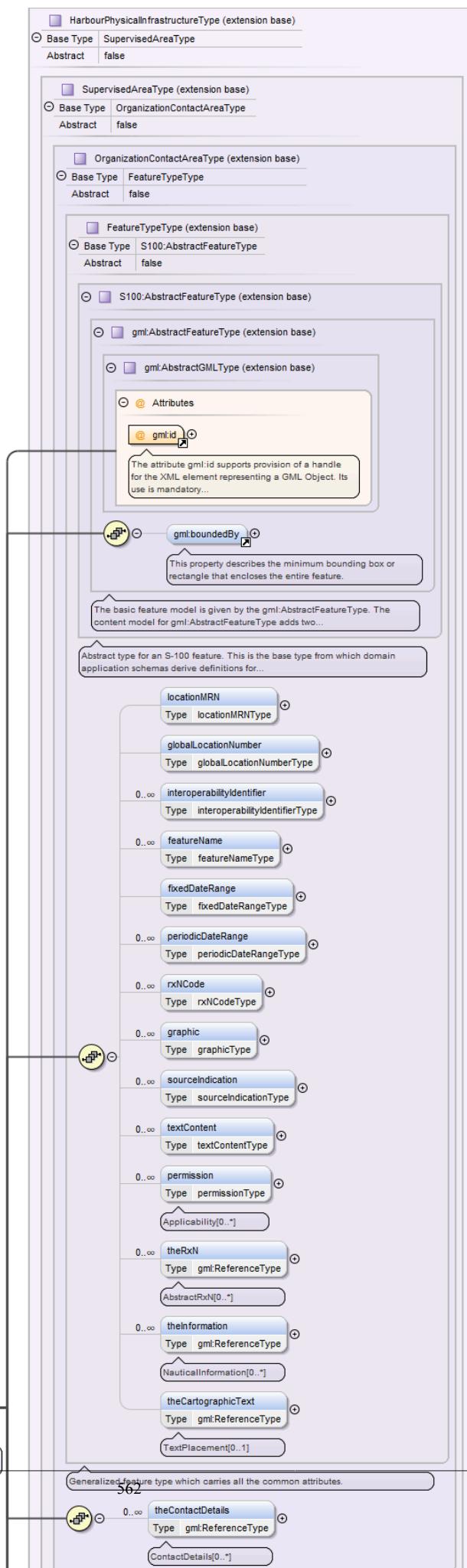


Type	extension of HarbourPhysicalInfrastructureType			
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code> • <code>FeatureTypeType</code> • <code>OrganizationContactAreaType</code> • <code>SupervisedAreaType</code> • <code>HarbourPhysicalInfrastructureType</code> • <code>HarbourFacilityType</code> 			
Properties	<code>abstract:</code> <code>false</code>			
Used by	Element <code>HarbourFacility</code>			
Model	<code>gml:boundedBy{0,1}</code> , <code>locationMRN{0,1}</code> , <code>globalLocationNumber{0,1}</code> , <code>interoperabilityIdentifier*</code> , <code>featureName*</code> , <code>fixedDateRange{0,1}</code> , <code>periodicDateRange*</code> , <code>rxNCode*</code> , <code>graphic*</code> , <code>sourceIndication*</code> , <code>textContent*</code> , <code>permission*</code> , <code>theRxN*</code> , <code>theInformation*</code> , <code>theCartographicText{0,1}</code> , <code>theContactDetails*</code> , <code>controlAuthority{0,1}</code> , <code>infrastructureLocation{0,1}</code> , <code>facilityOperatingHours{0,1}</code> , <code>geometry+</code>			
Attributes	QName <code>gml:id</code>	Type ID	Use 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.		

Complex Type LockBasinType

Namespace	http://www.ihc.int/S131/2.0
Annotations	A wet dock in a waterway, permitting a ship to pass from one level to another.

Diagram

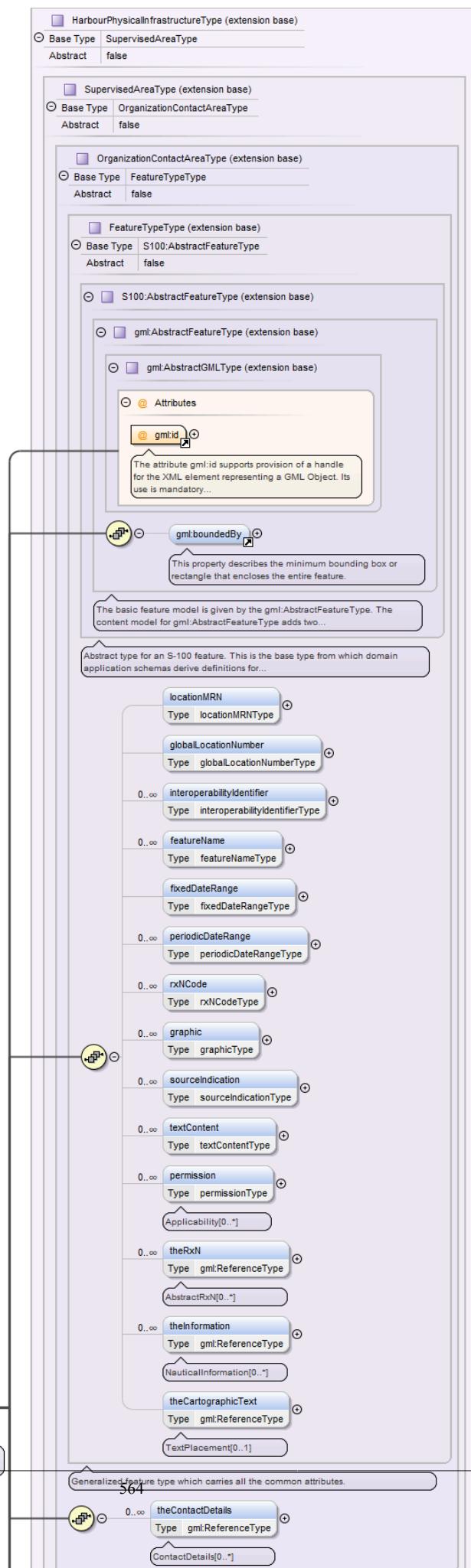


Type	extension of HarbourPhysicalInfrastructureType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • HarbourPhysicalInfrastructureType • LockBasinType 														
Properties	abstract: false														
Used by	Element LockBasin														
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , infrastructureLocation{0,1} , sillDepth{0,1} , facilityOperatingHours{0,1} , geometry+														
Attributes	<table border="1" style="width: 100%;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>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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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.														

Complex Type LockBasinPartType

Namespace	http://www.ihc.int/S131/2.0
Annotations	A lock basin is divided into several lock basin parts, if this lock basin has one ground level but several gates.

Diagram

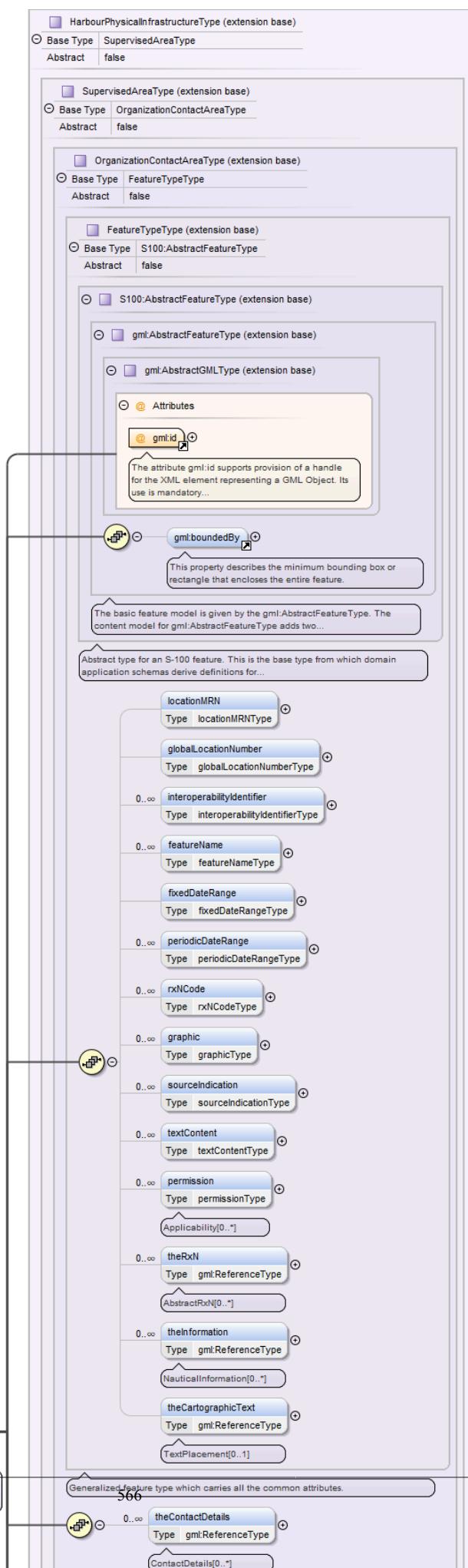


Type	extension of HarbourPhysicalInfrastructureType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • HarbourPhysicalInfrastructureType • LockBasinPartType 										
Properties	abstract: false										
Used by	Element LockBasinPart										
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , infrastructureLocation{0,1} , sillDepth{0,1} , facilityOperatingHours{0,1} , geometry+										
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>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									

Complex Type MooringBuoyType

Namespace	http://www.ihc.int/S131/2.0
Annotations	A buoy secured to the bottom by permanent moorings with means for mooring a vessel by use of its anchor chain or mooring lines.

Diagram

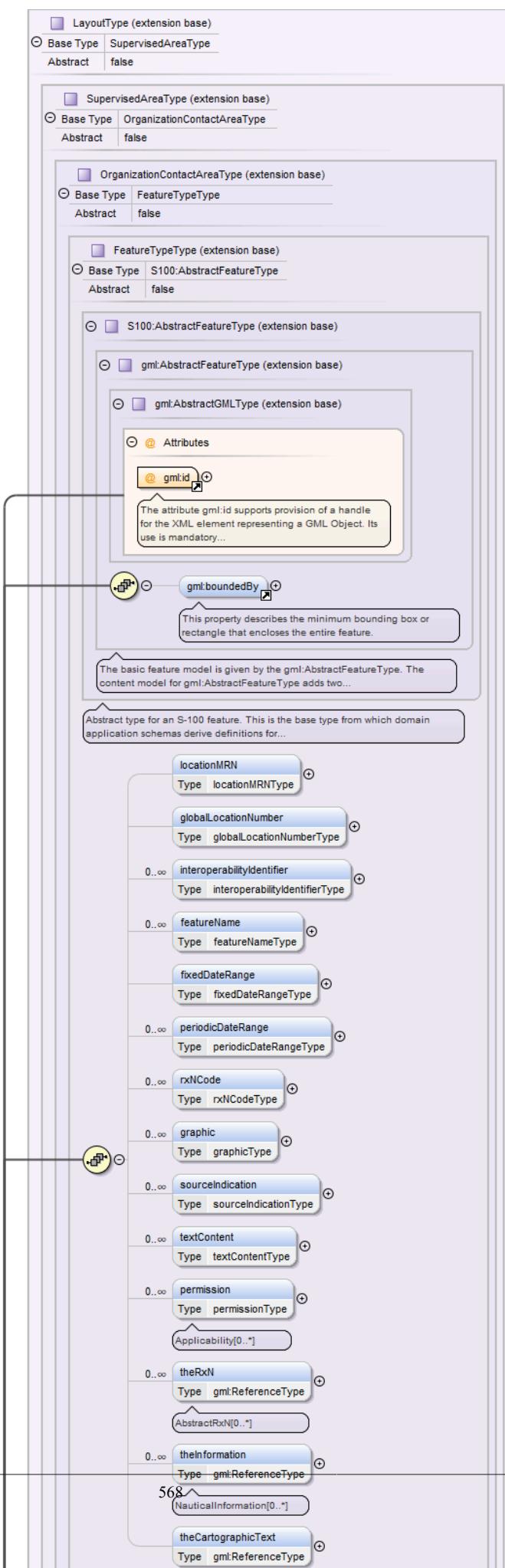


Type	extension of HarbourPhysicalInfrastructureType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • HarbourPhysicalInfrastructureType • MooringBuoyType 										
Properties	abstract: false										
Used by	Element MooringBuoy										
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , infrastructureLocation{0,1} , maximumPermittedDraught{0,1} , maximumPermittedVesselLength{0,1} , verticalLength{0,1} , visitorsMooring{0,1} , geometry+										
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>gml:id</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		gml:id	ID	required			
QName	Type	Use									
gml:id	ID	required									

Complex Type MooringWarpingFacilityType

Namespace	http://www.ihc.int/S131/2.0
Annotations	The equipment or structure used to secure a vessel.

Diagram

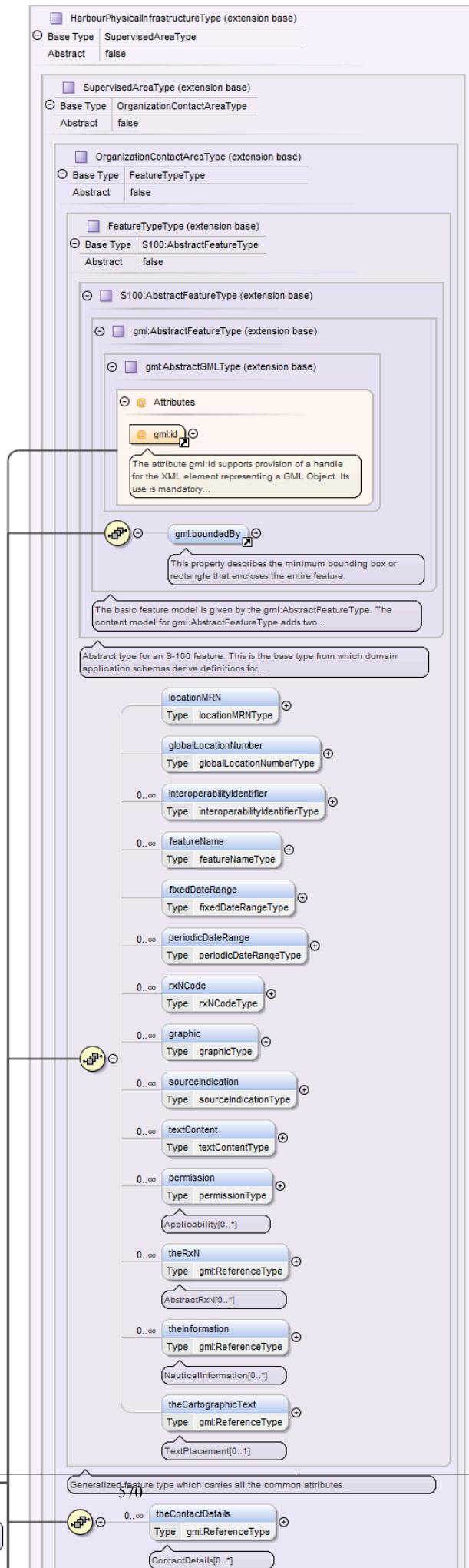


Type	extension of LayoutType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • LayoutType • MooringWarpingFacilityType 										
Properties	abstract: false										
Used by	Element MooringWarpingFacility										
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDataRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , categoryOfMooringWarpingFacility{0,1} , iDCode , bollardDescription{0,1} , safeWorkingLoad{0,1} , heavingLinesFromShore{0,1} , serviceDescriptionReference{0,1} , facilityOperatingHours{0,1} , primaryFacility{0,1} , geometry+										
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		gml:id	ID	required		<p>The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.</p>	
QName	Type	Use									
gml:id	ID	required									

Complex Type OnshorePowerFacilityType

Namespace	http://www.ihc.int/S131/2.0
Annotations	Facilities or infrastructure providing shore power to berthed vessels.

Diagram

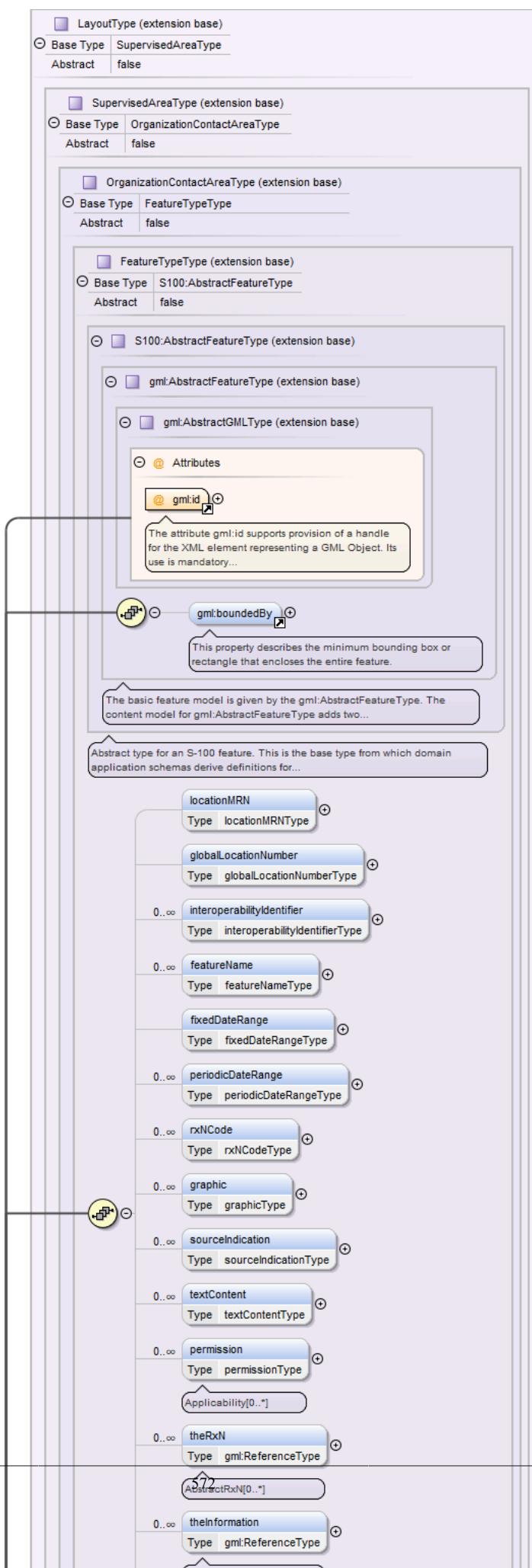


Type	extension of HarbourPhysicalInfrastructureType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • HarbourPhysicalInfrastructureType • OnshorePowerFacilityType 														
Properties	abstract: false														
Used by	Element OnshorePowerFacility														
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDataRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , infrastructureLocation{0,1} , categoryOfShorePowerFacility{0,1} , iDCode{0,1} , shorePowerDescription{0,1} , categoryOfVoltage* , categoryOfFrequency* , categoryOfPlug* , shorePowerServiceProvider{0,1} , facilityOperatingHours{0,1} , geometry+														
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>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													
		The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.													

Complex Type OuterLimitType

Namespace	http://www.ihc.int/S131/2.0
Annotations	The extent to which a coastal State claims or may claim a specific jurisdiction in accordance with the provisions of International Law.

Diagram

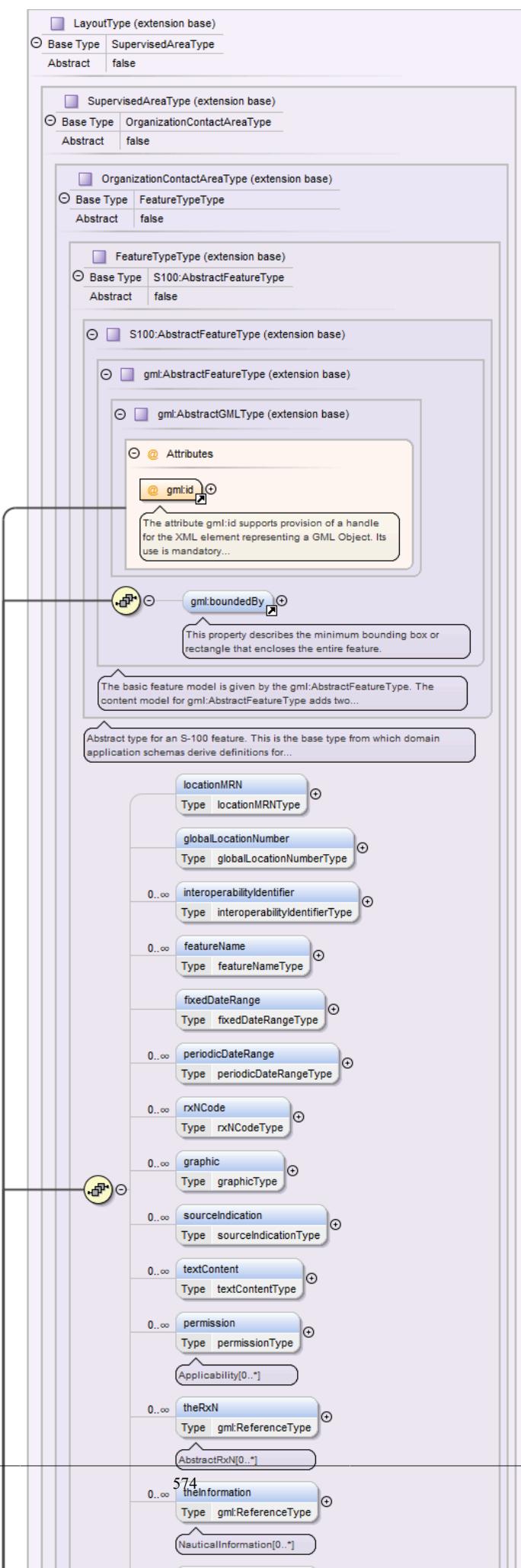


Type	extension of LayoutType														
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractFeatureType</code> • <code>AbstractFeatureType</code> • <code>FeatureTypeType</code> • <code>OrganizationContactAreaType</code> • <code>SupervisedAreaType</code> • <code>LayoutType</code> • <code>OuterLimitType</code> 														
Properties	<code>abstract:</code> <code>false</code>														
Used by	Element <code>OuterLimit</code>														
Model	<code>gml:boundedBy{0,1}</code> , <code>locationMRN{0,1}</code> , <code>globalLocationNumber{0,1}</code> , <code>interoperabilityIdentifier*</code> , <code>featureName*</code> , <code>fixedDateRange{0,1}</code> , <code>periodicDateRange*</code> , <code>rxNCode*</code> , <code>graphic*</code> , <code>sourceIndication*</code> , <code>textContent*</code> , <code>permission*</code> , <code>theRxN*</code> , <code>theInformation*</code> , <code>theCartographicText{0,1}</code> , <code>theContactDetails*</code> , <code>controlAuthority{0,1}</code> , <code>limitsDescription{0,1}</code> , <code>markedBy*</code> , <code>landmarkDescription*</code> , <code>offshoreMarkDescription*</code> , <code>majorLightDescription*</code> , <code>usefulMarkDescription*</code> , <code>entranceReference{0,1}</code> , <code>limitReference</code> , <code>geometry+</code>														
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> <tr> <td></td> <td></td> <td>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> <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.			
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<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.													

Complex Type PilotBoardingPlaceType

Namespace	http://www.ihc.int/S131/2.0
Annotations	A location offshore where a pilot may board a vessel in preparation to piloting it through local waters.

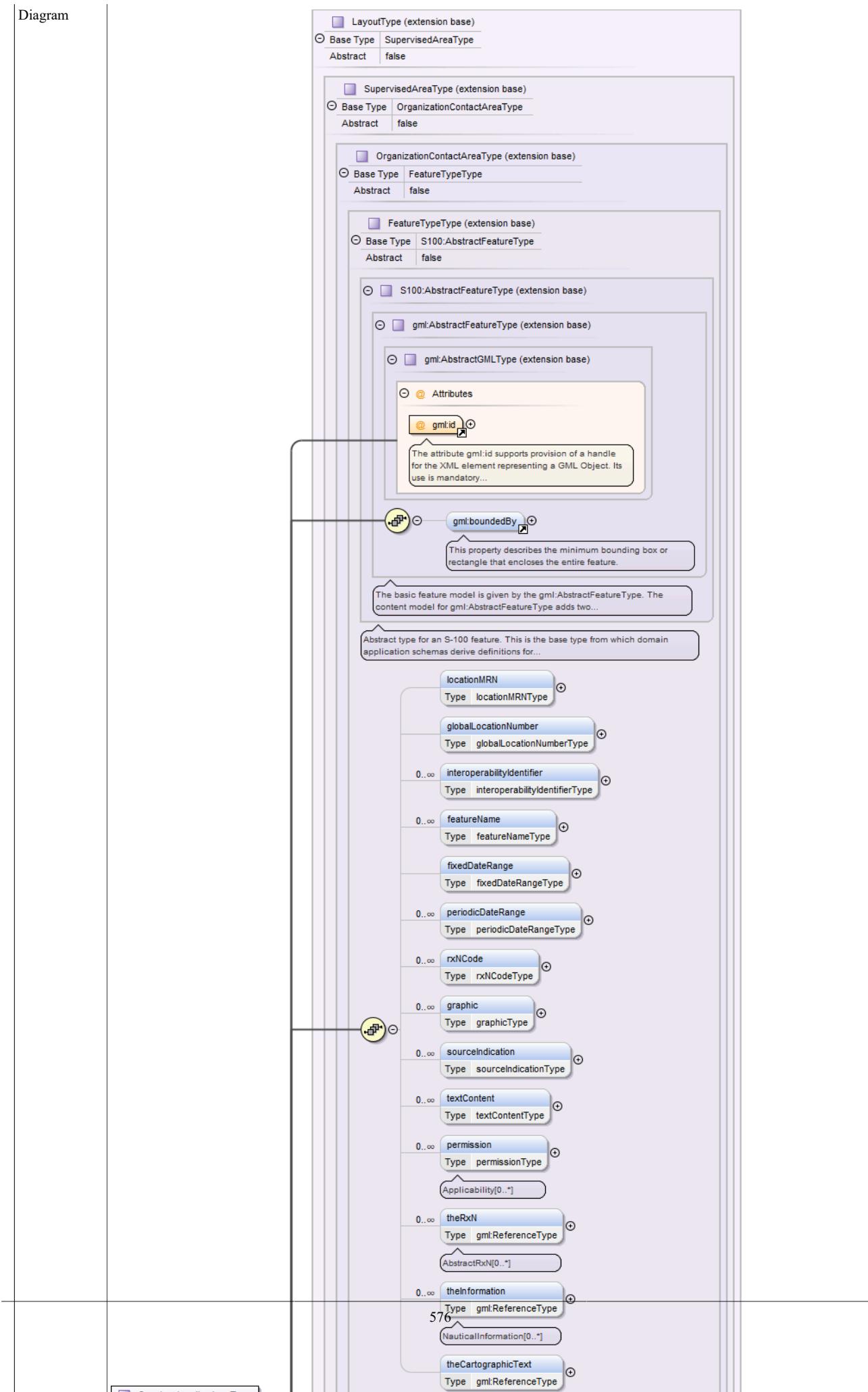
Diagram



Type	extension of LayoutType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • LayoutType • PilotBoardingPlaceType 														
Properties	abstract: false														
Used by	Element PilotBoardingPlace														
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , depthsDescription{0,1} , locationByText{0,1} , pilotMovement{0,3} , markedBy{0,1} , iSPSLevel{0,1} , facilityOperatingHours{0,1} , componentOf , geometry+														
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> <td></td> </tr> <tr> <td colspan="4">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													
The attribute gml:id supports provision of a handle for the XML element representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.															

Complex Type SeaplaneLandingAreaType

Namespace	http://www.ihc.int/S131/2.0
Annotations	A designated portion of water for the landing and take-off of seaplanes.

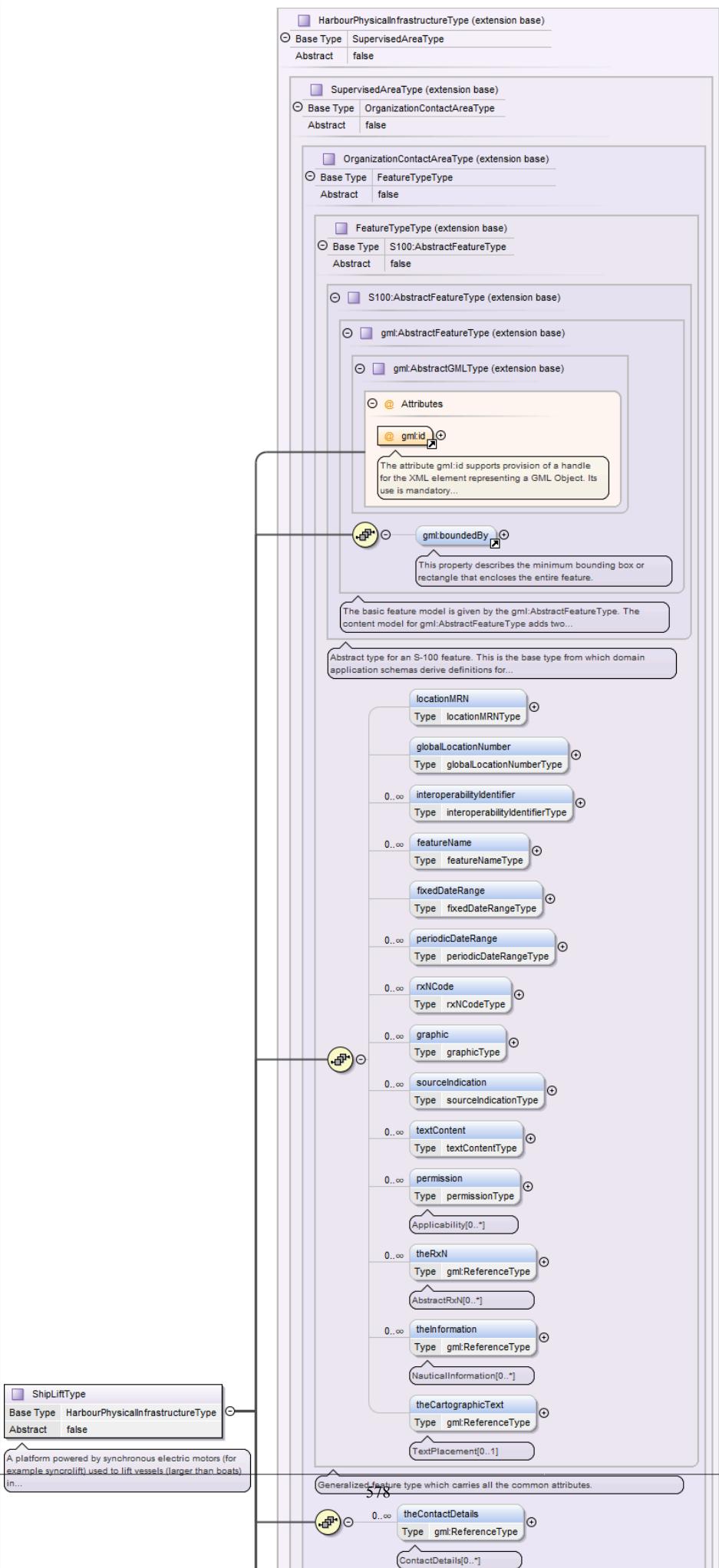


Type	extension of LayoutType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • LayoutType • SeaplaneLandingAreaType 										
Properties	abstract: false										
Used by	Element SeaplaneLandingArea										
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDataRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , depthsDescription{0,1} , locationByText{0,1} , markedBy{0,1} , iSPSLevel{0,1} , facilityOperatingHours{0,1} , componentOf , geometry+										
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QName	Type	Use									
gml:id	ID	required									

Complex Type ShipLiftType

Namespace	http://www.ihc.int/S131/2.0
Annotations	A platform powered by synchronous electric motors (for example syncrolift) used to lift vessels (larger than boats) in and out of the water.

Diagram

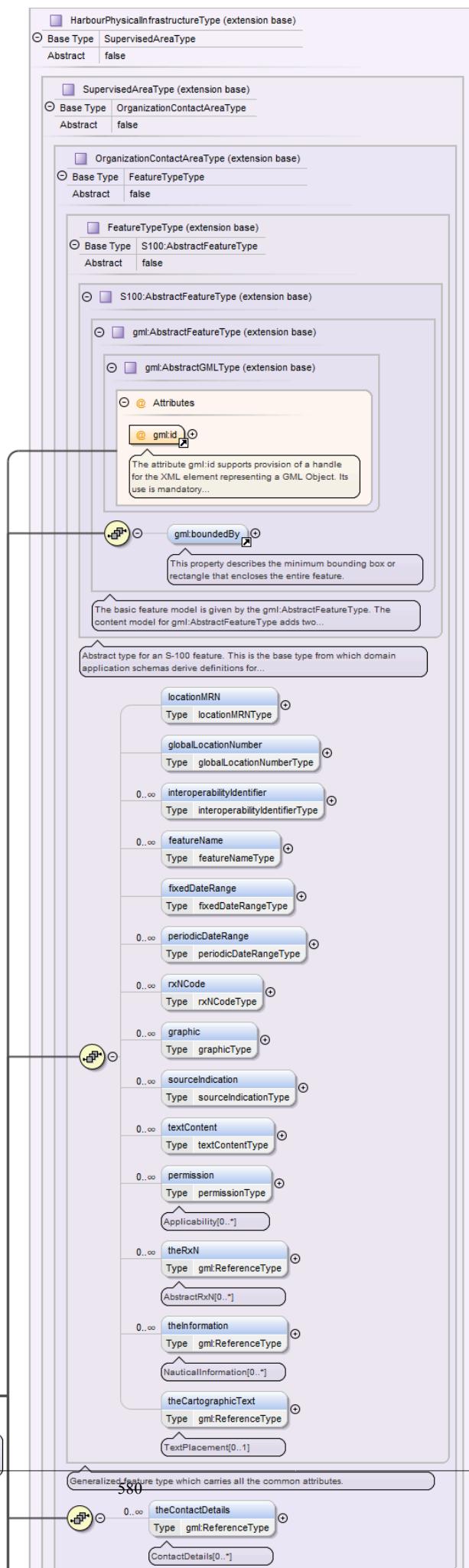


Type	extension of HarbourPhysicalInfrastructureType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • HarbourPhysicalInfrastructureType • ShipLiftType 														
Properties	abstract: false														
Used by	Element ShipLift														
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , infrastructureLocation{0,1} , verticalClearanceValue{0,1} , facilityOperatingHours{0,1} , geometry+														
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>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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Complex Type StraddleCarrierType

Namespace	http://www.ihc.int/S131/2.0
Annotations	A wheeled vehicle designed to lift and carry containers or vessels within its own framework. It is used for moving, and sometimes stacking, shipping containers and vessels.

Diagram

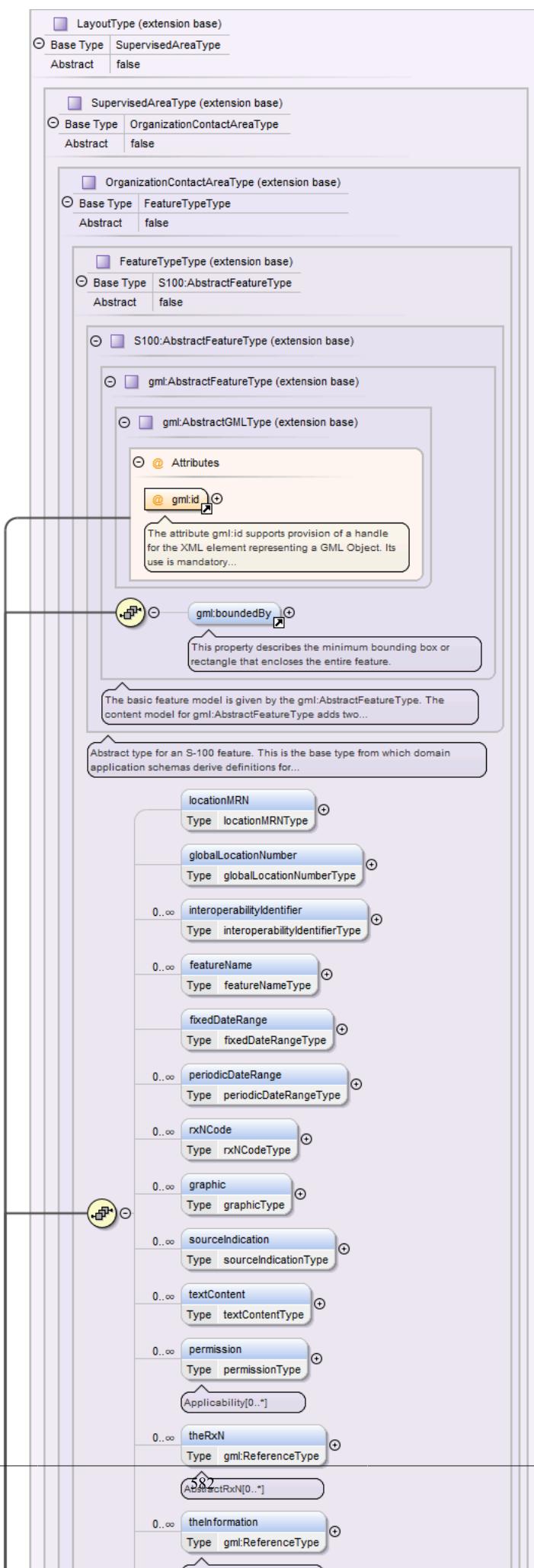


Type	extension of HarbourPhysicalInfrastructureType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • HarbourPhysicalInfrastructureType • StraddleCarrierType 														
Properties	abstract: false														
Used by	Element StraddleCarrier														
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , infrastructureLocation{0,1} , facilityOperatingHours{0,1} , geometry+														
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Complex Type TerminalType

Namespace	http://www.ihc.int/S131/2.0
Annotations	A terminal covers that area on shore which provides buildings and constructions for the transfer of cargo or passengers from and to ships.

Diagram

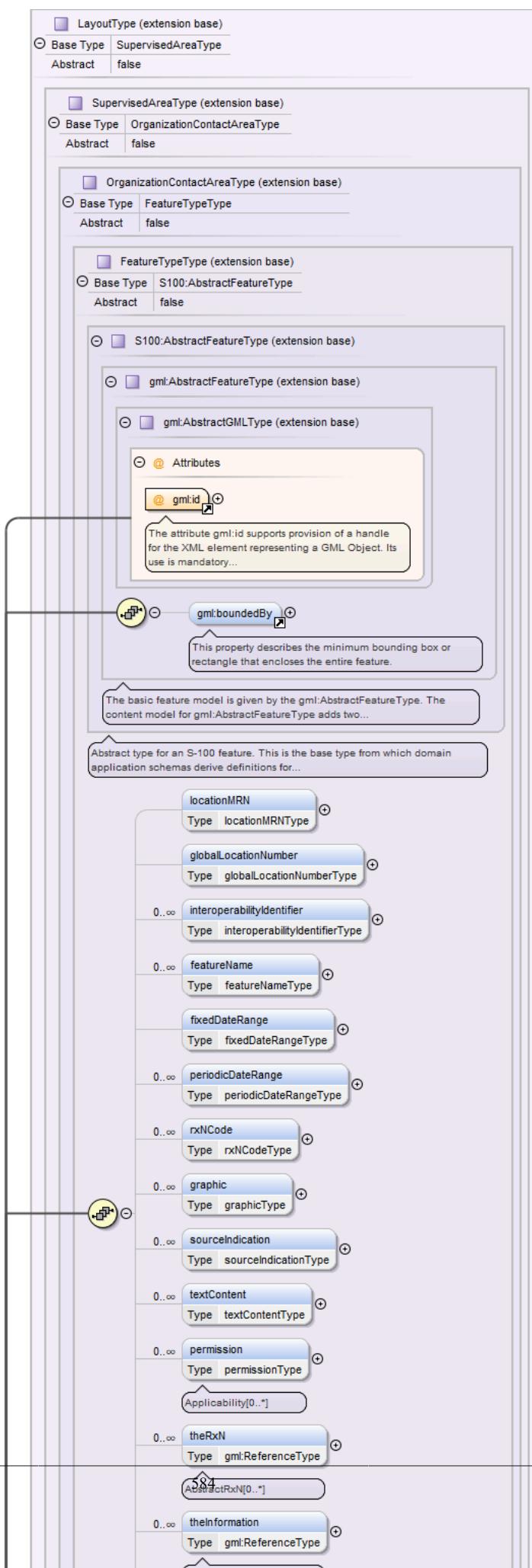


Type	extension of LayoutType														
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • LayoutType • TerminalType 														
Properties	abstract: false														
Used by	Element Terminal														
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDataRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , portFacilityNumber{0,1} , categoryOfTerminal{0,1} , categoryOfCargo* , product* , terminalIdentifier{0,1} , sMDGTerminalCode{0,1} , uNLocationCode{0,1} , serviceDescriptionReference{0,1} , facilityOperatingHours{0,1} , componentOf , layoutUnit* , hasInfrastructure* , geometry+														
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>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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Complex Type TurningBasinType

Namespace	http://www.ihc.int/S131/2.0
Annotations	An area of water or enlargement of a channel used for turning vessels.

Diagram

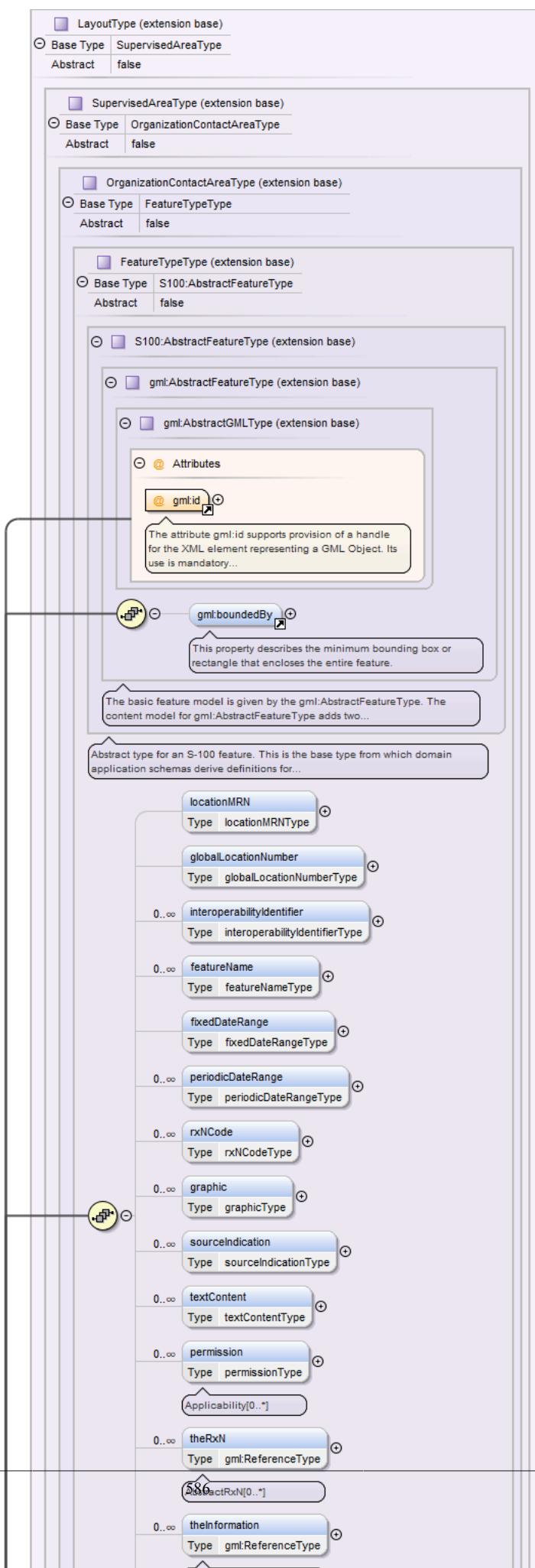


Type	extension of LayoutType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType <ul style="list-style-type: none"> • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • LayoutType • TurningBasinType 										
Properties	abstract: false										
Used by	Element TurningBasin										
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , depthsDescription{0,1} , locationByText{0,1} , markedBy{0,1} , iSPSLevel{0,1} , facilityOperatingHours{0,1} , componentOf , geometry+										
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>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									

Complex Type WaterwayAreaType

Namespace	http://www.ihc.int/S131/2.0
Annotations	An area in which uniform general information of the waterway exists.

Diagram



Type	extension of LayoutType										
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • FeatureTypeType • OrganizationContactAreaType • SupervisedAreaType • LayoutType • WaterwayAreaType 										
Properties	abstract: false										
Used by	Element WaterwayArea										
Model	gml:boundedBy{0,1} , locationMRN{0,1} , globalLocationNumber{0,1} , interoperabilityIdentifier* , featureName* , fixedDateRange{0,1} , periodicDateRange* , rxNCode* , graphic* , sourceIndication* , textContent* , permission* , theRxN* , theInformation* , theCartographicText{0,1} , theContactDetails* , controlAuthority{0,1} , categoryOfPortSection{0,1} , depthsDescription{0,1} , locationByText{0,1} , markedBy{0,1} , facilityOperatingHours{0,1} , componentOf , geometry+										
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QName	Type	Use									
gml:id	ID	required									

Complex Type DataCoverageType

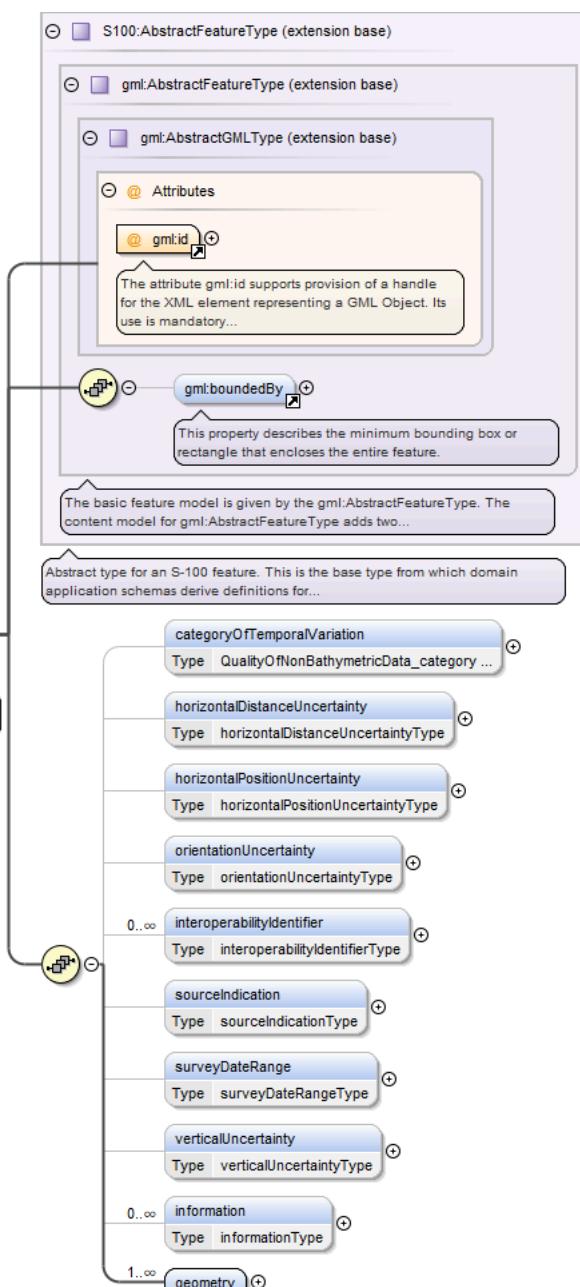
Namespace	http://www.ihc.int/S131/2.0
Annotations	A geographical area that describes the coverage and extent of spatial objects.

Diagram	<pre> classDiagram S100::AbstractFeatureType < -- gml::AbstractFeatureType gml::AbstractFeatureType < -- gml::AbstractGMLType gml::AbstractGMLType < -- DataCoverageType DataCoverageType < -- AbstractFeatureType DataCoverageType < -- DataCoverageType S100::AbstractFeatureType "0..1" --> @gml:id : ID S100::AbstractFeatureType "0..1" --> gml:boundedBy : BoundingBox S100::AbstractFeatureType "0..1" --> maximumDisplayScale : Double S100::AbstractFeatureType "0..1" --> minimumDisplayScale : Double S100::AbstractFeatureType "0..1" --> optimumDisplayScale : Double S100::AbstractFeatureType "0..1" --> interoperabilityIdentifier : Identifier S100::AbstractFeatureType "1..>" --> geometry : Geometry </pre>									
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} , maximumDisplayScale , minimumDisplayScale , optimumDisplayScale{0,1} , interoperabilityIdentifier* , geometry+									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>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.									

Complex Type QualityOfNonBathymetricDataType

Namespace	http://www.ihodata.org/S131/2.0
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"> • gml:AbstractGMLType • gml:AbstractFeatureType • AbstractFeatureType • QualityOfNonBathymetricDataType 									
Properties	abstract: false									
Used by	Element QualityOfNonBathymetricData									
Model	gml:boundedBy{0,1} , categoryOfTemporalVariation{0,1} , horizontalDistanceUncertainty{0,1} , horizontalPositionUncertainty{0,1} , orientationUncertainty{0,1} , interoperabilityIdentifier* , sourceIndication{0,1} , surveyDateRange{0,1} , verticalUncertainty{0,1} , information* , geometry+									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> </tr> <tr> <td></td> <td></td> <td>The attribute gml:id supports provision of a handle for the XML element</td> </tr> </tbody> </table>	QName	Type	Use	gml:id	ID	required			The attribute gml:id supports provision of a handle for the XML element
QName	Type	Use								
gml:id	ID	required								
		The attribute gml:id 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.	

Complex Type SoundingDatumType

Namespace	http://www.ihc.int/S131/2.0							
Annotations	The horizontal plane or tidal datum to which soundings have been reduced. Also called datum for sounding reduction.							
Diagram	<p>The diagram illustrates the inheritance path of the SoundingDatumType complex type. It starts with S100:AbstractFeatureType (extension base), which is itself an extension of gml:AbstractFeatureType (extension base), which in turn extends gml:AbstractGMLType (extension base). The SoundingDatumType class is shown as an abstract type (Base Type: S100:AbstractFeatureType, Abstract: true). Annotations provide detailed descriptions for several elements:</p> <ul style="list-style-type: none"> gml:id: Described as supporting provision of a handle for the XML element representing a GML Object. Its use is mandatory. gml:boundedBy: Described as describing the minimum bounding box or rectangle that encloses the entire feature. SoundingDatumType: Described as the horizontal plane or tidal datum to which soundings have been reduced. Also called datum for sounding reduction. Abstract type for an S-100 feature: Described as the basic feature model is given by the gml:AbstractFeatureType. The content model for gml:AbstractFeatureType adds two... verticalDatum: Described as a verticalDatum element with a type of SoundingDatum_verticalDatumType, marked as not nullable. information: Described as an information element with a type of informationType, marked as 0..oo. geometry: Described as a geometry element with a type of geometryType, marked as 1..oo. 							
Type	extension of AbstractFeatureType							
Type hierarchy	<ul style="list-style-type: none"> gml:AbstractGMLType gml:AbstractFeatureType AbstractFeatureType SoundingDatumType 							
Properties	abstract: false							
Used by	Element SoundingDatum							
Model	gml:boundedBy{0,1} , verticalDatum , information* , geometry+							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> </tr> </tbody> </table> <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						

Complex Type VerticalDatumOfDataType

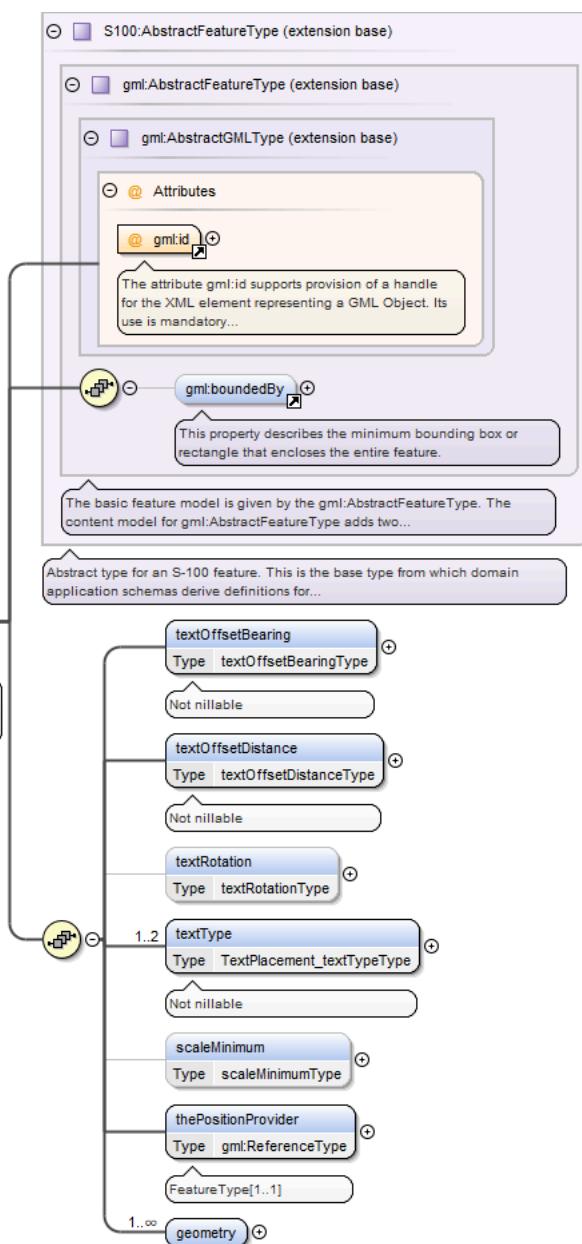
Namespace	http://www.ihc.int/S131/2.0
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Annotations	Any level surface (for example Mean Sea Level) taken as a surface of reference to which the elevations within a data set are reduced. Also called datum level, reference level, reference plane, levelling datum, datum for heights.						
Diagram	<pre> classDiagram class VerticalDatumOfDataType { <<Base Type: S100:AbstractFeatureType>> Abstract: false } class S100:AbstractFeatureType { <<extension base>> } class gml:AbstractFeatureType { <<extension base>> } class gml:AbstractGMLType { <<extension base>> } VerticalDatumOfDataType < -- S100:AbstractFeatureType S100:AbstractFeatureType < -- gml:AbstractFeatureType gml:AbstractFeatureType < -- gml:AbstractGMLType S100:AbstractFeatureType "1..1" --> @gml:id : ID S100:AbstractFeatureType "1..1" --> gml:boundedBy : BoundingBox S100:AbstractFeatureType "1..1" --> verticalDatum : VerticalDatumOfData_verticalDatumType S100:AbstractFeatureType "0..1" --> information : informationType S100:AbstractFeatureType "1..1" --> geometry : geometryType </pre> <p>The diagram illustrates the inheritance path from <code>VerticalDatumOfDataType</code> to <code>S100:AbstractFeatureType</code>. It shows the following relationships:</p> <ul style="list-style-type: none"> <code>VerticalDatumOfDataType</code> is a base type of <code>S100:AbstractFeatureType</code>. <code>S100:AbstractFeatureType</code> is an extension base for <code>gml:AbstractFeatureType</code>. <code>gml:AbstractFeatureType</code> is an extension base for <code>gml:AbstractGMLType</code>. <code>S100:AbstractFeatureType</code> has associations with several attributes: <ul style="list-style-type: none"> <code>@gml:id</code>: A required attribute of type <code>ID</code>. <code>gml:boundedBy</code>: An association with type <code>BoundingBox</code>. <code>verticalDatum</code>: An association with type <code>VerticalDatumOfData_verticalDatumType</code>, marked as <code>Not nullable</code>. <code>information</code>: An optional association with type <code>informationType</code>. <code>geometry</code>: An association with type <code>geometryType</code>. 						
Type	extension of <code>AbstractFeatureType</code>						
Type hierarchy	<ul style="list-style-type: none"> <code>gml:AbstractGMLType</code> <code>gml:AbstractFeatureType</code> <code>AbstractFeatureType</code> <code>VerticalDatumOfDataType</code> 						
Properties	<code>abstract: false</code>						
Used by	Element <code>VerticalDatumOfData</code>						
Model	<code>gml:boundedBy{0,1}</code> , <code>verticalDatum</code> , <code>information*</code> , <code>geometry+</code>						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>gml:id</code></td> <td><code>ID</code></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 <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
QName	Type	Use					
<code>gml:id</code>	<code>ID</code>	required					

Complex Type `TextPlacementType`

Namespace	http://www.ihoint/S131/2.0
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



Type	extension of AbstractFeatureType		
Type hierarchy	<ul style="list-style-type: none"> gml:AbstractGMLType gml:AbstractFeatureType 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+		
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	

QName	Type	Use
	occurs.	

Complex Type ThisDatasetType

Namespace	http://www.ih0.int/S131/2.0							
Diagram	<p>The diagram illustrates the inheritance path from ThisDatasetType to S100:DatasetType. It shows the following structure:</p> <ul style="list-style-type: none"> Attributes: gml:id (mandatory) supports provision of a handle for the XML element representing a GML Object. gml:boundedBy (0..1) describes the minimum bounding box or rectangle that encloses the entire feature. DatasetIdentificationInformation (0..1) provides dataset identification information. Geometry (0..1) contains: <ul style="list-style-type: none"> Point, MultiPoint curves (0..1): <ul style="list-style-type: none"> Curve, CompositeCurve, OrientableCurve S-100 orientable curve is the same as GML orientable curve. Added for consistency. Surface Polygon (S-100 version of polygon type) Allows spatial objects to be located outside feature objects. members (0..1) is an extension of gml:AbstractFeatureMemberType. 							
Type	extension of DatasetType							
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • DatasetType • ThisDatasetType 							
Used by	Element	Dataset						
Model	<p>gml:boundedBy{0,1} , DatasetIdentificationInformation , (Point MultiPoint Curve CompositeCurve OrientableCurve Surface Polygon) , members</p>							
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</p>		QName	Type	Use	gml:id	ID	required
QName	Type	Use						
gml:id	ID	required						

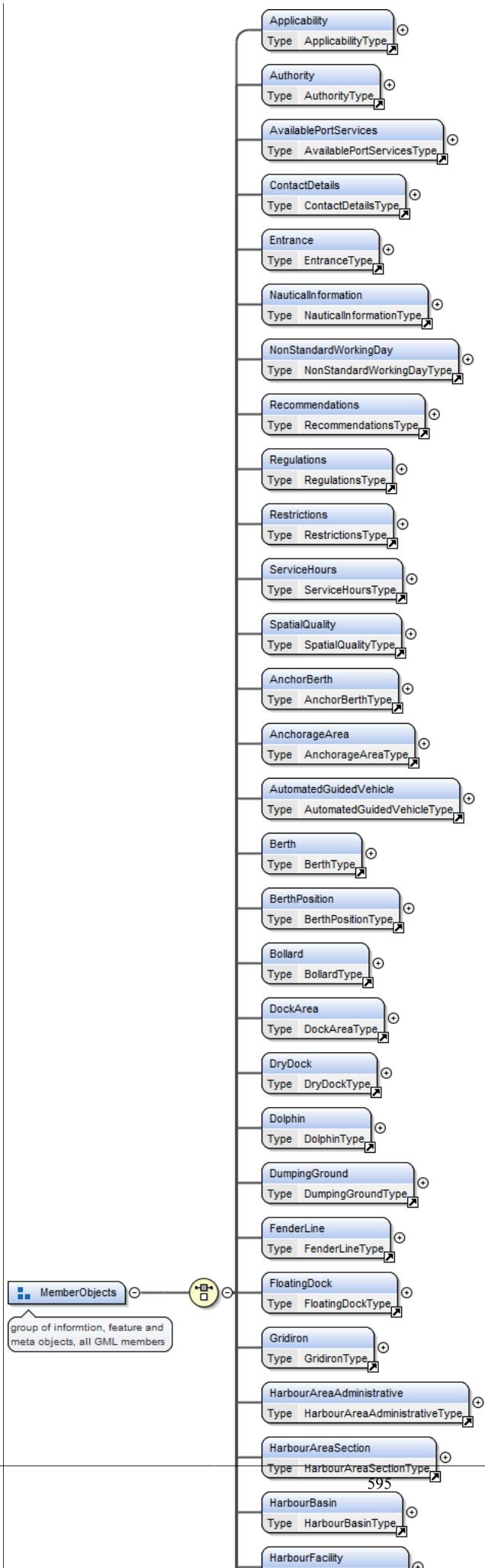
QName	Type	Use
		representing a GML Object. Its use is mandatory for all GML objects. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs.

Element Group(s)

Element Group MemberObjects

Namespace	http://www.ihg.int/S131/2.0
Annotations	group of information, feature and meta objects, all GML members

Diagram



Used by	Element	ThisDatasetType/members
Model		Applicability Authority AvailablePortServices ContactDetails Entrance NauticalInformation NonStandardWorkingDay Recommendations Regulations Restrictions ServiceHours SpatialQuality AnchorBerth AnchorageArea AutomatedGuidedVehicle Berth BerthPosition Bollard DockArea DryDock Dolphin DumpingGround FenderLine FloatingDock Gridiron HarbourAreaAdministrative HarbourAreaSection HarbourBasin HarbourFacility LockBasin LockBasinPart MooringBuoy MooringWarpingFacility OnshorePowerFacility OuterLimit PilotBoardingPlace SeaplaneLandingArea ShipLift StraddleCarrier Terminal TurningBasin WaterwayArea DataCoverage QualityOfNonBathymetricData SoundingDatum VerticalDatumOfData TextPlacement

Namespace: ""

Attribute(s)

Attribute **berthingAssistanceType / @code**

Namespace	No namespace		
Type	berthingAssistanceCode		
Properties	use:	required	
Facets	enumeration	1	Information about assistance or arrangements for a service related to berthing operations.
	enumeration	2	Personnel specializing in the mooring and unmooring of vessels.
	enumeration	3	A boat which assists the securement of a vessel to a berth or mooring with ropes or anchor.
	enumeration	4	A locomotive for moving vessels.
	enumeration	5	A powerful small boat designed to pull or push larger ships or powerless barges.
	enumeration	6	A ship equipped to make and maintain a channel through ice.
Used by	Complex Type	berthingAssistanceType	

Attribute **AvailablePortServices_berthingAssistanceType / @code**

Namespace	No namespace		
Type	AvailablePortServices_berthingAssistanceCode		
Properties	use:	required	
Facets	enumeration	1	Information about assistance or arrangements for a service related to berthing operations.
	enumeration	2	Personnel specializing in the mooring and unmooring of vessels.
	enumeration	3	A boat which assists the securement of a vessel to a berth or mooring with ropes or anchor.
	enumeration	4	A locomotive for moving vessels.
	enumeration	5	A powerful small boat designed to pull or push larger ships or powerless barges.
	enumeration	6	A ship equipped to make and maintain a channel through ice.
Used by	Complex Type	AvailablePortServices_berthingAssistanceType	

Attribute **cardinalDirectionType / @code**

Namespace	No namespace		
Type	cardinalDirectionCode		
Properties	use:	required	
Facets	enumeration	1	348.75-011.25 degrees (true north).
	enumeration	2	011.25 - 033.75 degrees.
	enumeration	3	033.75 - 056.25 degrees.

enumeration	4	056.25-078.75 degrees.
enumeration	5	078.75-101.25 degrees.
enumeration	6	101.25-123.75 degrees.
enumeration	7	123.75-146.25 degrees.
enumeration	8	146.25-168.75 degrees.
enumeration	9	168.75-191.25 degrees.
enumeration	10	191.25-213.75 degrees.
enumeration	11	213.75-236.25 degrees.
enumeration	12	236.25-258.75 degrees.
enumeration	13	258.75-281.25 degrees.
enumeration	14	281.25-303.75 degrees.
enumeration	15	303.75 - 326.25 degrees.
enumeration	16	326.25 - 348.75 degrees.
Used by	Complex Type	cardinalDirectionType

Attribute bearingInformation_cardinalDirectionType / @code

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

Attribute cargoServiceType / @code

Namespace	No namespace	
Type	cargoServiceCode	
Properties	use: required	
Facets	enumeration	1
		The loading, unloading, moving or handling of cargo, ship's stores, gear, or other materials, into, in, on, or out of any vessel.
	enumeration	2
		Inspection, evaluation or monitoring of the quantity, stowage, loading and unloading, and condition of cargo, and the effects of cargoes on vessel stability and safety.
	enumeration	3
		The securing of cargo to the ship's structure and/or other cargo.

	enumeration	4	Determination of the quantity of certain types of bulk cargo by assessment of its effect on displacement when loaded in a vessel.
Used by	Complex Type	cargoServiceType	

Attribute AvailablePortServices_cargoServiceType / @code

Namespace	No namespace		
Type	AvailablePortServices_cargoServiceCode		
Properties	use: required		
Facets	enumeration	1	The loading, unloading, moving or handling of cargo, ship's stores, gear, or other materials, into, in, on, or out of any vessel.
	enumeration	2	Inspection, evaluation or monitoring of the quantity, stowage, loading and unloading, and condition of cargo, and the effects of cargoes on vessel stability and safety.
	enumeration	3	The securement of cargo to the ship's structure and/or other cargo.
	enumeration	4	Determination of the quantity of certain types of bulk cargo by assessment of its effect on displacement when loaded in a vessel.
Used by	Complex Type	AvailablePortServices_cargoServiceType	

Attribute categoryOfAnchorageType / @code

Namespace	No namespace		
Type	categoryOfAnchorageCode		
Properties	use: required		
Facets	enumeration	1	An area in which vessels anchor or may anchor.
	enumeration	2	An area in which vessels of deep draught anchor or may anchor.
	enumeration	3	An area in which tankers anchor or may anchor.
	enumeration	5	An area where a vessel anchors when satisfying quarantine regulations.
	enumeration	6	An area in which seaplanes anchor or may anchor.
	enumeration	7	An area in which yachts and small boats anchor or may anchor.
	enumeration	9	An area in which vessels anchor or may anchor for periods of up to 24 hours.
	enumeration	10	An area in which vessels may anchor for a period of time not to exceed a specific limit.
	enumeration	14	An area in which vessels anchor or may anchor while waiting, for example, for access to a port or berth.
	enumeration	15	A location not defined by a regulatory authority that has been reported to be suitable and safe for anchoring.
Used by	Complex Type	categoryOfAnchorageType	

Attribute AnchorBerth_categoryOfAnchorageType / @code

Namespace	No namespace		
Type	AnchorBerth_categoryOfAnchorageCode		
Properties	use: required		
Facets	enumeration	1	An area in which vessels anchor or may anchor.
	enumeration	2	An area in which vessels of deep draught anchor or may anchor.
	enumeration	3	An area in which tankers anchor or may anchor.

	enumeration	5	An area where a vessel anchors when satisfying quarantine regulations.
	enumeration	6	An area in which seaplanes anchor or may anchor.
	enumeration	7	An area in which yachts and small boats anchor or may anchor.
	enumeration	9	An area in which vessels anchor or may anchor for periods of up to 24 hours.
	enumeration	10	An area in which vessels may anchor for a period of time not to exceed a specific limit.
	enumeration	14	An area in which vessels anchor or may anchor while waiting, for example, for access to a port or berth.
Used by	Complex Type	AnchorBerth_categoryOfAnchorageType	

Attribute AnchorageArea_categoryOfAnchorageType / @code

Namespace	No namespace		
Type	AnchorageArea_categoryOfAnchorageCode		
Properties	use: required		
Facets	enumeration	1	An area in which vessels anchor or may anchor.
	enumeration	2	An area in which vessels of deep draught anchor or may anchor.
	enumeration	3	An area in which tankers anchor or may anchor.
	enumeration	5	An area where a vessel anchors when satisfying quarantine regulations.
	enumeration	6	An area in which seaplanes anchor or may anchor.
	enumeration	7	An area in which yachts and small boats anchor or may anchor.
	enumeration	9	An area in which vessels anchor or may anchor for periods of up to 24 hours.
	enumeration	10	An area in which vessels may anchor for a period of time not to exceed a specific limit.
	enumeration	14	An area in which vessels anchor or may anchor while waiting, for example, for access to a port or berth.
	enumeration	15	A location not defined by a regulatory authority that has been reported to be suitable and safe for anchoring.
Used by	Complex Type	AnchorageArea_categoryOfAnchorageType	

Attribute categoryOfAuthorityType / @code

Namespace	No namespace		
Type	categoryOfAuthorityCode		
Properties	use: required		
Facets	enumeration	2	The administration to prevent or detect and prosecute violations of rules and regulations at international boundaries.
	enumeration	3	The department of government, or civil force, charged with maintaining public order.
	enumeration	4	Person or corporation, owners of, or entrusted with or invested with the power of managing a port. May be called a Harbour Board, Port Trust, Port Commission, Harbour Commission, Marine Department.
	enumeration	5	The authority controlling people entering a country.
	enumeration	6	The authority with responsibility for checking the validity of the health declaration of a vessel and for declaring free pratique.
	enumeration	7	Organization keeping watch on shipping and coastal waters according to governmental law;

		normally the authority with responsibility for search and rescue.
enumeration	8	The authority with responsibility for preventing infection of the agriculture of a country and for the protection of the agricultural interests of a country.
enumeration	9	A military authority which provides control of access to or approval for transit through designated areas or airspace.
enumeration	10	A private or publicly owned company or commercial enterprise which exercises control of facilities, for example a calibration area.
enumeration	11	A governmental or military force with jurisdiction in territorial waters. Examples could include Gendarmerie Maritime, Carabinierie, and Guardia Civil.
enumeration	12	An authority with responsibility for the protection of the environment.
enumeration	13	An authority with responsibility for the control of fisheries.
enumeration	14	An authority with responsibility for the control and movement of money.
enumeration	15	A national or regional authority charged with administration of maritime affairs.
enumeration	16	The agency or establishment for collecting duties, tolls.
Used by	Complex Type	categoryOfAuthorityType

Attribute AbstractRxN_categoryOfAuthorityType / @code

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

	enumeration	13	An authority with responsibility for the control of fisheries.
	enumeration	14	An authority with responsibility for the control and movement of money.
	enumeration	15	A national or regional authority charged with administration of maritime affairs.
	enumeration	16	The agency or establishment for collecting duties, tolls.
Used by	Complex Type		AbstractRxN_categoryOfAuthorityType

Attribute Authority_categoryOfAuthorityType / @code

Namespace	No namespace		
Type	Authority_categoryOfAuthorityCode		
Properties	use: required		
Facets	enumeration	2	The administration to prevent or detect and prosecute violations of rules and regulations at international boundaries.
	enumeration	3	The department of government, or civil force, charged with maintaining public order.
	enumeration	4	Person or corporation, owners of, or entrusted with or invested with the power of managing a port. May be called a Harbour Board, Port Trust, Port Commission, Harbour Commission, Marine Department.
	enumeration	5	The authority controlling people entering a country.
	enumeration	6	The authority with responsibility for checking the validity of the health declaration of a vessel and for declaring free pratique.
	enumeration	7	Organization keeping watch on shipping and coastal waters according to governmental law; normally the authority with responsibility for search and rescue.
	enumeration	8	The authority with responsibility for preventing infection of the agriculture of a country and for the protection of the agricultural interests of a country.
	enumeration	9	A military authority which provides control of access to or approval for transit through designated areas or airspace.
	enumeration	10	A private or publicly owned company or commercial enterprise which exercises control of facilities, for example a calibration area.
	enumeration	11	A governmental or military force with jurisdiction in territorial waters. Examples could include Gendarmerie Maritime, Carabinierie, and Guardia Civil.
	enumeration	12	An authority with responsibility for the protection of the environment.
	enumeration	13	An authority with responsibility for the control of fisheries.
	enumeration	14	An authority with responsibility for the control and movement of money.
	enumeration	15	A national or regional authority charged with administration of maritime affairs.
	enumeration	16	The agency or establishment for collecting duties, tolls.
	enumeration	0	
Used by	Complex Type		Authority_categoryOfAuthorityType

Attribute sourceIndication_categoryOfAuthorityType / @code

Namespace	No namespace
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Type	sourceIndication_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	sourceIndication_categoryOfAuthorityType	

Attribute categoryOfBerthLocationType / @code

Namespace	No namespace		
Type	categoryOfBerthLocationCode		
Properties	use:	required	
Facets	enumeration	1	A wharf or quay with reference position(s) given by one or more metre marks.
	enumeration	2	A wharf or quay with reference position(s) given by one or more point or points in geographic coordinates.
	enumeration	3	A long, narrow structure extending into the water to afford a berthing place for vessels, to serve as a promenade, etc.
	enumeration	4	A designated facility where a vessel may moor, usually by a combination of the mooring buoys and the ship's anchors.
Used by	Complex Type	categoryOfBerthLocationType	

Attribute Berth_categoryOfBerthLocationType / @code

Namespace	No namespace		
Type	Berth_categoryOfBerthLocationCode		
Properties	use: required		
Facets	enumeration	1	A wharf or quay with reference position(s) given by one or more metre marks.
	enumeration	2	A wharf or quay with reference position(s) given by one or more point or points in geographic coordinates.
	enumeration	3	A long, narrow structure extending into the water to afford a berthing place for vessels, to serve as a promenade, etc.
	enumeration	4	A designated facility where a vessel may moor, usually by a combination of the mooring buoys and the ship's anchors.
Used by	Complex Type	Berth_categoryOfBerthLocationType	

Attribute categoryOfCargoType / @code

Namespace	No namespace		
Type	categoryOfCargoCode		
Properties	use: required		
Facets	enumeration	1	Unpacked homogenous cargo poured loose in a certain space of a vessel, for example oil or grain.
	enumeration	2	One of a number of standard sized cargo carrying units, secured using standard corner attachments and bar.
	enumeration	3	Break bulk cargo normally loaded by crane.
	enumeration	4	Any cargo loaded by pipeline.
	enumeration	5	A fee paying traveller.
	enumeration	6	Live animals carried in bulk.
	enumeration	7	Dangerous or hazardous cargo as described by the IMO International Maritime Dangerous Goods code.
	enumeration	8	Indivisible heavy items of weight generally over 100 tons, and width or height greater than 100 metres.
	enumeration	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	

Attribute **Applicability_categoryOfCargoType / @code**

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

Attribute **AnchorBerth_categoryOfCargoType / @code**

Namespace	No namespace		
Type	AnchorBerth_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	AnchorBerth_categoryOfCargoType

Attribute AnchorageArea_categoryOfCargoType / @code

Namespace	No namespace		
Type	AnchorageArea_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	AnchorageArea_categoryOfCargoType	

Attribute Berth_categoryOfCargoType / @code

Namespace	No namespace		
Type	Berth_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	Berth_categoryOfCargoType

Attribute Terminal_categoryOfCargoType / @code

Namespace	No namespace	
Type	Terminal_categoryOfCargoCode	
Properties	use: required	
Facets	enumeration 3	Break bulk cargo normally loaded by crane.
	enumeration 4	Any cargo loaded by pipeline.
	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 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	Terminal_categoryOfCargoType

Attribute categoryOfCommunicationPreferenceType / @code

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

Used by	Complex Type	categoryOfCommunicationPreferenceType
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Attribute **ContactDetails_categoryOfCommunicationPreferenceType / @code**

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

Attribute **telecommunications_categoryOfCommunicationPreferenceType / @code**

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

Attribute **categoryOfDangerousOrHazardousCargoType / @code**

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

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

Attribute Applicability_categoryOfDangerousOrHazardousCargoType / @code

Namespace	No namespace	
Type	Applicability_categoryOfDangerousOrHazardousCargoCode	
Properties	use: required	
Facets	enumeration	1
		Explosives, Division 1: Substances and articles which have a mass explosion hazard.
	enumeration	2
		Explosives, Division 2: Substances and articles which have a projection hazard but not a mass explosion hazard.
	enumeration	3
		Explosives, Division 3: Substances and articles which have a fire hazard and either a minor blast hazard or a minor projection hazard or both, but not a mass explosion hazard.
	enumeration	4
		Explosives, Division 4: Substances and articles which present no significant hazard.
	enumeration	5
		Explosives, Division 5: Very insensitive substances which have a mass explosion hazard.
	enumeration	6
		Explosives, Division 6: Extremely insensitive articles which do not have a mass explosion hazard.
	enumeration	7
		Gases, flammable gases.
	enumeration	8
		Gases, non-flammable, non-toxic gases.
	enumeration	9
		Gases, toxic gases.
	enumeration	10
		Flammable liquids.
	enumeration	11
		Flammable solids, self-reactive substances and desensitized explosives.
	enumeration	12
		Substances liable to spontaneous combustion.
	enumeration	13
		Substances which, in contact with water, emit flammable gases.
	enumeration	14
		Oxidizing substances.
	enumeration	15
		Organic peroxides.
	enumeration	16
		Toxic substances.
	enumeration	17
		Infectious substances.

	enumeration	18	Radioactive material.
	enumeration	19	Corrosive substances.
	enumeration	20	Miscellaneous dangerous substances and articles.
	enumeration	21	Harmful substances are those substances which are identified as marine pollutants in the International Maritime Dangerous Goods Code (IMDG Code). Packaged form is defined as the forms of containment specified for harmful substances in the IMDG Code.
Used by	Complex Type	Applicability_categoryOfDangerousOrHazardousCargoType	

Attribute categoryOfDepthsDescriptionType / @code

Namespace	No namespace		
Type	categoryOfDepthsDescriptionCode		
Properties	use: required		
Facets	enumeration	1	A shallow elevation composed of unconsolidated material that may constitute a hazard to surface navigation.
	enumeration	2	General information about the vertical distance from the water surface to the bottom.
	enumeration	3	The least depth in the approach or channel to an area, such as a port or anchorage, governing the maximum draft of vessels that can enter.
Used by	Complex Type	categoryOfDepthsDescriptionType	

Attribute depthsDescription_categoryOfDepthsDescriptionType / @code

Namespace	No namespace		
Type	depthsDescription_categoryOfDepthsDescriptionCode		
Properties	use: required		
Facets	enumeration	1	A shallow elevation composed of unconsolidated material that may constitute a hazard to surface navigation.
	enumeration	2	General information about the vertical distance from the water surface to the bottom.
	enumeration	3	The least depth in the approach or channel to an area, such as a port or anchorage, governing the maximum draft of vessels that can enter.
Used by	Complex Type	depthsDescription_categoryOfDepthsDescriptionType	

Attribute categoryOfDolphinType / @code

Namespace	No namespace		
Type	categoryOfDolphinCode		
Properties	use: required		
Facets	enumeration	1	A post or group of posts driven into the seabed or riverbed, used as a mooring point for vessels.
	enumeration	2	A post or group of posts, which a vessel may swing around for compass adjustment.
	enumeration	3	A post or group of posts driven into the seabed or riverbed, used to extend the berth of a vessel by providing extra mooring points.
	enumeration	4	A post or group of posts driven into the seabed or riverbed, used to assist in berthing of vessels by taking up some berthing loads; keep vessels from pressing against the pier structure; or to protect structures from possible impact by ships.

Used by	Complex Type	categoryOfDolphinType
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Attribute **Dolphin_categoryOfDolphinType / @code**

Namespace	No namespace		
Type	Dolphin_categoryOfDolphinCode		
Properties	use: required		
Facets	enumeration	1	A post or group of posts driven into the seabed or riverbed, used as a mooring point for vessels.
	enumeration	2	A post or group of posts, which a vessel may swing around for compass adjustment.
	enumeration	3	A post or group of posts driven into the seabed or riverbed, used to extend the berth of a vessel by providing extra mooring points.
	enumeration	4	A post or group of posts driven into the seabed or riverbed, used to assist in berthing of vessels by taking up some berthing loads; keep vessels from pressing against the pier structure; or to protect structures from possible impact by ships.
	enumeration	0	
Used by	Complex Type	Dolphin_categoryOfDolphinType	

Attribute **categoryOffrequencyType / @code**

Namespace	No namespace		
Type	categoryOffrequencyCode		
Properties	use: required		
Facets	enumeration	1	50 Hertz
	enumeration	2	60 Hertz
Used by	Complex Type	categoryOffrequencyType	

Attribute **Berth_categoryOffrequencyType / @code**

Namespace	No namespace		
Type	Berth_categoryOffrequencyCode		
Properties	use: required		
Facets	enumeration	1	50 Hertz
	enumeration	2	60 Hertz
Used by	Complex Type	Berth_categoryOffrequencyType	

Attribute **OnshorePowerFacility_categoryOffrequencyType / @code**

Namespace	No namespace		
Type	OnshorePowerFacility_categoryOffrequencyCode		
Properties	use: required		
Facets	enumeration	1	50 Hertz
	enumeration	2	60 Hertz
Used by	Complex Type	OnshorePowerFacility_categoryOffrequencyType	

Attribute **categoryOfHarbourFacilityType / @code**

Namespace	No namespace		
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Type	categoryOfHarbourFacilityCode		
Properties	use:	required	
Facets	enumeration	1	A terminal for roll-on roll-off ferries.
	enumeration	3	A terminal for passenger and vehicle ferries.
	enumeration	4	A harbour with facilities for fishing boats.
	enumeration	5	A harbour facility for small boats, yachts, etc., where supplies, repairs, and various services are available.
	enumeration	6	A centre of operations for naval vessels.
	enumeration	7	A terminal for the bulk handling of liquid cargoes.
	enumeration	8	A terminal for the loading and unloading of passengers.
	enumeration	9	A place where ships are built or repaired.
	enumeration	10	A terminal with facilities to load/unload or store shipping containers.
	enumeration	11	A terminal for the handling of bulk materials such as iron ore, coal, etc.
	enumeration	12	A platform powered by synchronous electric motors (for example syncrolift) used to lift vessels (larger than boats) in and out of the water.
	enumeration	13	A wheeled vehicle designed to lift and carry containers or vessels within its own framework. It is used for moving, and sometimes stacking, shipping containers and vessels.
	enumeration	14	A harbour within which the floating equipment (dredges, tugs ...) of harbour services are stationed.
	enumeration	15	The services of 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, are available.
	enumeration	16	A place where mechanical services or repairs can be undertaken to engines or other vessel equipment.
	enumeration	17	A medical control center located in an isolated spot ashore where patients with contagious diseases from vessel in quarantine are taken.
Used by	Complex Type	categoryOfHarbourFacilityType	

Attribute HarbourAreaAdministrative_categoryOfHarbourFacilityType / @code

Namespace	No namespace		
Type	HarbourAreaAdministrative_categoryOfHarbourFacilityCode		
Properties	use:	required	
Facets	enumeration	1	A terminal for roll-on roll-off ferries.
	enumeration	3	A terminal for passenger and vehicle ferries.
	enumeration	4	A harbour with facilities for fishing boats.
	enumeration	5	A harbour facility for small boats, yachts, etc., where supplies, repairs, and various services are available.
	enumeration	6	A centre of operations for naval vessels.
	enumeration	7	A terminal for the bulk handling of liquid cargoes.
	enumeration	8	A terminal for the loading and unloading of passengers.
	enumeration	9	A place where ships are built or repaired.
	enumeration	10	A terminal with facilities to load/unload or store shipping containers.

	enumeration	11	A terminal for the handling of bulk materials such as iron ore, coal, etc.
	enumeration	12	A platform powered by synchronous electric motors (for example syncrolift) used to lift vessels (larger than boats) in and out of the water.
	enumeration	13	A wheeled vehicle designed to lift and carry containers or vessels within its own framework. It is used for moving, and sometimes stacking, shipping containers and vessels.
	enumeration	14	A harbour within which the floating equipment (dredges, tugs ...) of harbour services are stationed.
	enumeration	15	The services of 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, are available.
Used by	Complex Type	HarbourAreaAdministrative_categoryOfHarbourFacilityType	

Attribute HarbourAreaSection_categoryOfHarbourFacilityType / @code

Namespace	No namespace		
Type	HarbourAreaSection_categoryOfHarbourFacilityCode		
Properties	use: required		
Facets	enumeration	4	A harbour with facilities for fishing boats.
	enumeration	5	A harbour facility for small boats, yachts, etc., where supplies, repairs, and various services are available.
	enumeration	6	A centre of operations for naval vessels.
	enumeration	9	A place where ships are built or repaired.
	enumeration	14	A harbour within which the floating equipment (dredges, tugs ...) of harbour services are stationed.
	enumeration	15	The services of 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, are available.
	enumeration	16	A place where mechanical services or repairs can be undertaken to engines or other vessel equipment.
	enumeration	17	A medical control center located in an isolated spot ashore where patients with contagious diseases from vessel in quarantine are taken.
Used by	Complex Type	HarbourAreaSection_categoryOfHarbourFacilityType	

Attribute categoryOfMooringWarpingFacilityType / @code

Namespace	No namespace		
Type	categoryOfMooringWarpingFacilityCode		
Properties	use: required		
Facets	enumeration	4	A section of wall designated for tying-up vessels awaiting transit. Bollards and mooring devices are available for both large and small ships.
	enumeration	5	A long heavy timber or section of steel, wood, concrete, etc., forced into the seabed to serve as a mooring facility.
	enumeration	6	A chain or very strong fibre or wire rope used to anchor or moor vessels or buoys.

Used by	Complex Type	categoryOfMooringWarpingFacilityType
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Attribute MooringWarpingFacility_categoryOfMooringWarpingFacilityType / @code

Namespace	No namespace		
Type	MooringWarpingFacility_categoryOfMooringWarpingFacilityCode		
Properties	use: required		
Facets	enumeration	4	A section of wall designated for tying-up vessels awaiting transit. Bollards and mooring devices are available for both large and small ships.
	enumeration	5	A long heavy timber or section of steel, wood, concrete, etc., forced into the seabed to serve as a mooring facility.
	enumeration	6	A chain or very strong fibre or wire rope used to anchor or moor vessels or buoys.
Used by	Complex Type	MooringWarpingFacility_categoryOfMooringWarpingFacilityType	

Attribute categoryOfPortSectionType / @code

Namespace	No namespace		
Type	categoryOfPortSectionCode		
Properties	use: required		
Facets	enumeration	1	The main navigable channel in a harbour or its approaches, for vessels of larger size.
	enumeration	3	A body of water at a berth or anchor berth, of adequate dimensions to allow a vessel to make fast to the shore, mooring buoys, berthing dolphins or to anchor.
	enumeration	8	An area in which sea-planes anchor or may anchor.
	enumeration	9	An area of water or channel enlargement of increased depth compared to adjacent areas, where the depth is maintained by dredging operations.
	enumeration	11	The area around a port facility or harbour installation within which vessels are prohibited from entering without permission.
	enumeration	12	A general berth for use by vessels for short term waiting until a loading or discharging berth is available.
	Used by	Complex Type	categoryOfPortSectionType

Attribute HarbourAreaSection_categoryOfPortSectionType / @code

Namespace	No namespace		
Type	HarbourAreaSection_categoryOfPortSectionCode		
Properties	use: required		
Facets	enumeration	1	The main navigable channel in a harbour or its approaches, for vessels of larger size.
	enumeration	3	A body of water at a berth or anchor berth, of adequate dimensions to allow a vessel to make fast to the shore, mooring buoys, berthing dolphins or to anchor.
	enumeration	8	An area in which sea-planes anchor or may anchor.
	enumeration	9	An area of water or channel enlargement of increased depth compared to adjacent areas, where the depth is maintained by dredging operations.
	enumeration	11	The area around a port facility or harbour installation within which vessels are prohibited from entering without permission.

	enumeration	12	A general berth for use by vessels for short term waiting until a loading or discharging berth is available.
Used by	Complex Type	HarbourAreaSection_categoryOfPortSectionType	

Attribute WaterwayArea_categoryOfPortSectionType / @code

Namespace	No namespace		
Type	WaterwayArea_categoryOfPortSectionCode		
Properties	use: required		
Facets	enumeration	1	The main navigable channel in a harbour or its approaches, for vessels of larger size.
	enumeration	3	A body of water at a berth or anchor berth, of adequate dimensions to allow a vessel to make fast to the shore, mooring buoys, berthing dolphins or to anchor.
	enumeration	8	An area in which sea-planes anchor or may anchor.
	enumeration	9	An area of water or channel enlargement of increased depth compared to adjacent areas, where the depth is maintained by dredging operations.
	enumeration	11	The area around a port facility or harbour installation within which vessels are prohibited from entering without permission.
	enumeration	12	A general berth for use by vessels for short term waiting until a loading or discharging berth is available.
Used by	Complex Type	WaterwayArea_categoryOfPortSectionType	

Attribute categoryOfRelationshipType / @code

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

Attribute categoryOfScheduleType / @code

Namespace	No namespace		
Type	categoryOfScheduleCode		
Properties	use: required		
Facets	enumeration	1	The service, office, is open, fully manned, and operating normally, or the area is accessible as usual.
	enumeration	2	The service, office, or area is closed.

	enumeration	3	The service is available but not manned.
Used by	Complex Type	categoryOfScheduleType	

Attribute scheduleByDayOfWeek_categoryOfScheduleType / @code

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

Attribute categoryOfShorePowerFacilityType / @code

Namespace	No namespace		
Type	categoryOfShorePowerFacilityCode		
Properties	use: required		
Facets	enumeration	1	Delivers power to vessels using higher voltage (for example, 10 kV or above), suitable for large ports and large vessels. such as tankers, cargo ships, etc.
	enumeration	2	Delivers power to vessels using lower voltage, designed for small to medium-sized coastal or riverine terminals and smaller vessels.
	enumeration	3	Delivers power to vessels using high-voltage (for example, 10kV and above) and low-voltage outputs or simultaneous provision of dual-voltage power.
Used by	Complex Type	categoryOfShorePowerFacilityType	

Attribute OnshorePowerFacility_categoryOfShorePowerFacilityType / @code

Namespace	No namespace		
Type	OnshorePowerFacility_categoryOfShorePowerFacilityCode		
Properties	use: required		
Facets	enumeration	1	Delivers power to vessels using higher voltage (for example, 10 kV or above), suitable for large ports and large vessels. such as tankers, cargo ships, etc.
	enumeration	2	Delivers power to vessels using lower voltage, designed for small to medium-sized coastal or riverine terminals and smaller vessels.
	enumeration	3	Delivers power to vessels using high-voltage (for example, 10kV and above) and low-voltage outputs or simultaneous provision of dual-voltage power.
Used by	Complex Type	OnshorePowerFacility_categoryOfShorePowerFacilityType	

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	2	Continuous or frequent change (for example river siltation, sand waves, seasonal storms, ice bergs, etc) that is likely to result in new significant shoaling.
enumeration	3	Continuous or frequent change (for example sand wave shift, seasonal storms, ice bergs, etc) that is not likely to result in new significant shoaling.
enumeration	4	Continuous or frequent change to non-bathymetric features (for example river siltation, glacier creep/recession, sand dunes, buoys, marine farms, etc).
enumeration	5	Significant change to the seafloor is not expected.
enumeration	6	Not having been assessed.
Used by	Complex Type	categoryOfTemporalVariationType

Attribute **QualityOfNonBathymetricData_categoryOfTemporalVariationType / @code**

Namespace	No namespace		
Type	QualityOfNonBathymetricData_categoryOfTemporalVariationCode		
Properties	use: required		
Facets	enumeration	1	Indication of the possible impact of a significant event (for example hurricane, earthquake, volcanic eruption, landslide, etc), which is considered likely to have changed the seafloor or landscape significantly.
	enumeration	2	Continuous or frequent change (for example river siltation, sand waves, seasonal storms, ice bergs, etc) that is likely to result in new significant shoaling.
	enumeration	3	Continuous or frequent change (for example sand wave shift, seasonal storms, ice bergs, etc) that is not likely to result in new significant shoaling.
	enumeration	4	Continuous or frequent change to non-bathymetric features (for example river siltation, glacier creep/recession, sand dunes, buoys, marine farms, etc).
	enumeration	5	Significant change to the seafloor is not expected.
	enumeration	6	Not having been assessed.
	Used by	Complex Type	QualityOfNonBathymetricData_categoryOfTemporalVariationType

Attribute **categoryOfTerminalType / @code**

Namespace	No namespace		
Type	categoryOfTerminalCode		
Properties	use: required		
Facets	enumeration	1	A terminal for roll-on roll-off ferries.
	enumeration	3	A terminal for passenger and vehicle ferries.
	enumeration	7	A terminal for the bulk handling of liquid cargoes.
	enumeration	8	A terminal for the loading and unloading of passengers.
	enumeration	10	A terminal with facilities to load/unload or store shipping containers.
	enumeration	11	A terminal for the handling of bulk materials such as iron ore, coal, etc.

Used by	Complex Type	categoryOfTerminalType
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Attribute Terminal_categoryOfTerminalType / @code

Namespace	No namespace		
Type	Terminal_categoryOfTerminalCode		
Properties	use: required		
Facets	enumeration	1	A terminal for roll-on roll-off ferries.
	enumeration	3	A terminal for passenger and vehicle ferries.
	enumeration	7	A terminal for the bulk handling of liquid cargoes.
	enumeration	8	A terminal for the loading and unloading of passengers.
	enumeration	10	A terminal with facilities to load/unload or store shipping containers.
	enumeration	11	A terminal for the handling of bulk materials such as iron ore, coal, etc.
Used by	Complex Type	Terminal_categoryOfTerminalType	

Attribute categoryOfTextType / @code

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

Attribute textContent_categoryOfTextType / @code

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

Attribute categoryOfVesselRegistryType / @code

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

		that possesses this attribute applies or is located.
Used by	Complex Type	categoryOfVesselRegistryType

Attribute Applicability_categoryOfVesselRegistryType / @code

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

Attribute categoryOfVoltageType / @code

Namespace	No namespace	
Type	categoryOfVoltageCode	
Properties	use: required	
Facets	enumeration	1 230 Volts
	enumeration	2 400 Volts.
	enumeration	3 120 Volts
	enumeration	4 120/240 Volts
	enumeration	5 208 Volts
	enumeration	6 440 Volts
	enumeration	7 440/690 Volts
	enumeration	8 480 Volts
	enumeration	9 690 Volts
	enumeration	10 6.6 kiloVolts
	enumeration	11 6.6/11 kiloVolts
	enumeration	12 11 kiloVolts
	enumeration	13 22 kiloVolts
	enumeration	14 380 Volts
	enumeration	15 11/22 kiloVolts
Used by	Complex Type	categoryOfVoltageType

Attribute Berth_categoryOfVoltageType / @code

Namespace	No namespace	
Type	Berth_categoryOfVoltageCode	
Properties	use: required	
Facets	enumeration	1 230 Volts
	enumeration	2 400 Volts.
	enumeration	3 120 Volts
	enumeration	4 120/240 Volts

	enumeration	5	208 Volts
	enumeration	6	440 Volts
	enumeration	7	440/690 Volts
	enumeration	8	480 Volts
	enumeration	9	690 Volts
	enumeration	10	6.6 kiloVolts
	enumeration	11	6.6/11 kiloVolts
	enumeration	12	11 kiloVolts
	enumeration	13	22 kiloVolts
	enumeration	14	380 Volts
	enumeration	15	11/22 kiloVolts
Used by	Complex Type	Berth_categoryOfVoltageType	

Attribute OnshorePowerFacility_categoryOfVoltageType / @code

Namespace	No namespace		
Type	OnshorePowerFacility_categoryOfVoltageCode		
Properties	use: required		
Facets	enumeration	1	230 Volts
	enumeration	2	400 Volts.
	enumeration	3	120 Volts
	enumeration	4	120/240 Volts
	enumeration	5	208 Volts
	enumeration	6	440 Volts
	enumeration	7	440/690 Volts
	enumeration	8	480 Volts
	enumeration	9	690 Volts
	enumeration	10	6.6 kiloVolts
	enumeration	11	6.6/11 kiloVolts
	enumeration	12	11 kiloVolts
	enumeration	13	22 kiloVolts
	enumeration	14	380 Volts
	enumeration	15	11/22 kiloVolts
Used by	Complex Type	OnshorePowerFacility_categoryOfVoltageType	

Attribute comparisonOperatorType / @code

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

Attribute vesselMeasurementsSpecification_comparisonOperatorType / @code

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

Attribute conditionType / @code

Namespace	No namespace		
Type	conditionCode		
Properties	use: required		
Facets	enumeration	1	Being built but not yet capable of function.
	enumeration	2	A structure in a decayed or deteriorated condition resulting from neglect or disuse, or a damaged structure in need of repair.
	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

Attribute constructionInformation_conditionType / @code

Namespace	No namespace		
Type	constructionInformation_conditionCode		
Properties	use: required		
Facets	enumeration	1	Being built but not yet capable of function.
	enumeration	2	A structure in a decayed or deteriorated condition resulting from neglect or disuse, or a damaged structure in need of repair.
	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	constructionInformation_conditionType

Attribute dayOfWeekType / @code

Namespace	No namespace	
Type	dayOfWeekCode	
Properties	use: required	

Facets	enumeration	1	The day of the week following Saturday and preceding Monday.
	enumeration	2	The day of the week following Sunday and preceding Tuesday.
	enumeration	3	The day of the week following Monday and preceding Wednesday.
	enumeration	4	The day of the week following Tuesday and preceding Thursday.
	enumeration	5	The day of the week following Wednesday and preceding Friday.
	enumeration	6	The day of the week following Thursday and preceding Saturday.
	enumeration	7	The day of the week following Friday and preceding Sunday.
	Used by	Complex Type	dayOfWeekType

Attribute **timeIntervalsByDayOfWeek_dayOfWeekType / @code**

Namespace	No namespace		
Type	timeIntervalsByDayOfWeek_dayOfWeekCode		
Properties	use: required		
Facets	enumeration	1	The day of the week following Saturday and preceding Monday.
	enumeration	2	The day of the week following Sunday and preceding Tuesday.
	enumeration	3	The day of the week following Monday and preceding Wednesday.
	enumeration	4	The day of the week following Tuesday and preceding Thursday.
	enumeration	5	The day of the week following Wednesday and preceding Friday.
	enumeration	6	The day of the week following Thursday and preceding Saturday.
	enumeration	7	The day of the week following Friday and preceding Sunday.
	Used by	Complex Type	timeIntervalsByDayOfWeek_dayOfWeekType

Attribute **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	

Attribute **weatherResource_dynamicResourceType / @code**

Namespace	No namespace		
Type	weatherResource_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	weatherResource_dynamicResourceType	

Attribute **firefightingServiceType / @code**

Namespace	No namespace		
Type	firefightingServiceCode		
Properties	use: required		
Facets	enumeration	1	Personnel and equipment that are capable of combating a fire from ashore.
	enumeration	2	Trained firefighting personnel with the capability of boarding and combating a fire on a vessel.
	enumeration	3	Specialised watercraft with firefighting apparatus designed for fighting shoreline and shipboard fires
Used by	Complex Type	firefightingServiceType	

Attribute **AvailablePortServices_firefightingServiceType / @code**

Namespace	No namespace		
Type	AvailablePortServices_firefightingServiceCode		
Properties	use: required		
Facets	enumeration	1	Personnel and equipment that are capable of combating a fire from ashore.
	enumeration	2	Trained firefighting personnel with the capability of boarding and combating a fire on a vessel.
	enumeration	3	Specialised watercraft with firefighting apparatus designed for fighting shoreline and shipboard fires
Used by	Complex Type	AvailablePortServices_firefightingServiceType	

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	

Attribute AnchorageArea_iSPSLevelType / @code

Namespace	No namespace		
Type	AnchorageArea_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	AnchorageArea_iSPSLevelType	

Attribute DockArea_iSPSLevelType / @code

Namespace	No namespace		
Type	DockArea_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	DockArea_iSPSLevelType	

Attribute DumpingGround_iSPSLevelType / @code

Namespace	No namespace		
Type	DumpingGround_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	DumpingGround_iSPSLevelType	

Attribute HarbourAreaAdministrative_iSPSLevelType / @code

Namespace	No namespace		
Type	HarbourAreaAdministrative_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	HarbourAreaAdministrative_iSPSLevelType	

Attribute HarbourAreaSection_iSPSLevelType / @code

Namespace	No namespace		
Type	HarbourAreaSection_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	HarbourAreaSection_iSPSLevelType	

Attribute HarbourBasin_iSPSLevelType / @code

Namespace	No namespace		
Type	HarbourBasin_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	HarbourBasin_iSPSLevelType	

Attribute PilotBoardingPlace_iSPSLevelType / @code

Namespace	No namespace		
Type	PilotBoardingPlace_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	PilotBoardingPlace_iSPSLevelType	

Attribute SeaplaneLandingArea_iSPSLevelType / @code

Namespace	No namespace		
Type	SeaplaneLandingArea_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	SeaplaneLandingArea_iSPSLevelType	

Attribute TurningBasin_iSPSLevelType / @code

Namespace	No namespace		
Type	TurningBasin_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	TurningBasin_iSPSLevelType	

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
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Attribute **Applicability_logicalConnectivesType / @code**

Namespace	No namespace		
Type	Applicability_logicalConnectivesCode		
Properties	use: required		
Facets	enumeration	1	All the conditions described by the other attributes of the object, or sub-attributes of the same complex attribute, are true.
	enumeration	2	At least one of the conditions described by the other attributes of the object, or sub-attributes of the same complex attributes, is true.
Used by	Complex Type	Applicability_logicalConnectivesType	

Attribute **medicalServiceType / @code**

Namespace	No namespace		
Type	medicalServiceCode		
Properties	use: required		
Facets	enumeration	1	A vehicle for conveying the sick or injured to or from a hospital.
	enumeration	2	Disinfection or purification with fumes.
	enumeration	3	A place where a doctor is available to provide medical attention.
	enumeration	4	The isolation of patients with contagious diseases.
	enumeration	5	A place where substances intended to procure immunity against one or several diseases are administered.
Used by	Complex Type	medicalServiceType	

Attribute **AvailablePortServices_medicalServiceType / @code**

Namespace	No namespace		
Type	AvailablePortServices_medicalServiceCode		
Properties	use: required		
Facets	enumeration	1	A vehicle for conveying the sick or injured to or from a hospital.
	enumeration	2	Disinfection or purification with fumes.
	enumeration	3	A place where a doctor is available to provide medical attention.
	enumeration	4	The isolation of patients with contagious diseases.
	enumeration	5	A place where substances intended to procure immunity against one or several diseases are administered.
Used by	Complex Type	AvailablePortServices_medicalServiceType	

Attribute **membershipType / @code**

Namespace	No namespace		
Type	membershipCode		
Properties	use: required		

Facets	enumeration	1	Vessels with these characteristics are included in the regulation/restriction/recommendation/nautical information.
	enumeration	2	Vessels with these characteristics are excluded from the regulation/restriction/recommendation/nautical information.
Used by	Complex Type	membershipType	

Attribute methodOfSecuringType / @code

Namespace	No namespace		
Type	methodOfSecuringCode		
Properties	use: required		
Facets	enumeration	1	Vessel is secured perpendicular to the wharf with bow to seaward.
	enumeration	2	Vessel is secured perpendicular to the wharf with stern to the seaward.
	enumeration	3	The vessel is secured perpendicular to the wharf.
	enumeration	4	Mooring method/procedure used during onshore wind conditions without a tug.
	enumeration	5	Mooring by maneuvering ahead and astern while dropping anchors to secure the vessel with reduced swinging room.
	enumeration	6	Mooring by using mainly wind and tide to position the vessel while dropping anchors to secure the vessel with reduced swinging room. Makes limited use of the engine to position the vessel.
	enumeration	7	A mooring structure used by tankers to load and unload in port approaches or in offshore oil and gas fields. The size of the structure can vary between a large mooring buoy and a manned floating structure.
	enumeration	8	A facility where a vessel is usually moored by a combination of the ship's anchors forward and mooring buoys aft and held on a fixed heading. Also called Conventional Buoy Mooring (CBM).
	enumeration	9	Mooring alongside another vessel.
	enumeration	10	Mooring system supported by a spider buoy.
Used by	Complex Type	methodOfSecuringType	

Attribute Berth_methodOfSecuringType / @code

Namespace	No namespace		
Type	Berth_methodOfSecuringCode		
Properties	use: required		
Facets	enumeration	1	Vessel is secured perpendicular to the wharf with bow to seaward.
	enumeration	2	Vessel is secured perpendicular to the wharf with stern to the seaward.
	enumeration	3	The vessel is secured perpendicular to the wharf.
	enumeration	4	Mooring method/procedure used during onshore wind conditions without a tug.
	enumeration	5	Mooring by maneuvering ahead and astern while dropping anchors to secure the vessel with reduced swinging room.
	enumeration	6	Mooring by using mainly wind and tide to position the vessel while dropping anchors to secure the vessel with reduced swinging room. Makes limited use of the engine to position the vessel.
	enumeration	7	A mooring structure used by tankers to load and unload in port approaches or in offshore oil and gas fields. The size of the structure can

		vary between a large mooring buoy and a manned floating structure.
	enumeration 8	A facility where a vessel is usually moored by a combination of the ship's anchors forward and mooring buoys aft and held on a fixed heading. Also called Conventional Buoy Mooring (CBM).
	enumeration 9	Mooring alongside another vessel.
	enumeration 10	Mooring system supported by a spider buoy.
Used by	Complex Type	Berth_methodOfSecuringType

Attribute **nameUsageType** / @code

Namespace	No namespace	
Type	nameUsageCode	
Properties	use: required	
Facets	enumeration 1	The name is intended to be displayed when the end-user system is set to the default name/text display setting.
	enumeration 2	The name is intended to be displayed when the end-user system is set to an alternate name/text display setting, for example an alternate language.
	enumeration 3	The name or text is not intended to be displayed.
Used by	Complex Type	nameUsageType

Attribute **featureName_nameUsageType** / @code

Namespace	No namespace	
Type	featureName_nameUsageCode	
Properties	use: required	
Facets	enumeration 1	The name is intended to be displayed when the end-user system is set to the default name/text display setting.
	enumeration 2	The name is intended to be displayed when the end-user system is set to an alternate name/text display setting, for example an alternate language.
	enumeration 3	The name or text is not intended to be displayed.
Used by	Complex Type	featureName_nameUsageType

Attribute **onlineFunctionType** / @code

Namespace	No namespace	
Type	onlineFunctionCode	
Properties	use: required	
Facets	enumeration 1	Online instructions for transferring data from one storage device or system to another.
	enumeration 3	Online instructions for requesting the resource from the provider.
	enumeration 4	Online order process for obtaining the resource.
	enumeration 5	To make painstaking investigation or examination.
	enumeration 6	Complete metadata provided.
	enumeration 7	Browse graphic provided.
	enumeration 8	Online resource upload capability provided.
	enumeration 9	Online email service provided.
	enumeration 10	Online browsing provided.

	enumeration	11	Online file access provided.
Used by	Complex Type	onlineFunctionType	

Attribute **onlineResource_onlineFunctionType / @code**

Namespace	No namespace		
Type	onlineResource_onlineFunctionCode		
Properties	use: required		
Facets	enumeration	1	Online instructions for transferring data from one storage device or system to another.
	enumeration	3	Online instructions for requesting the resource from the provider.
	enumeration	4	Online order process for obtaining the resource.
	enumeration	5	To make painstaking investigation or examination.
	enumeration	6	Complete metadata provided.
	enumeration	7	Browse graphic provided.
	enumeration	8	Online resource upload capability provided.
	enumeration	9	Online email service provided.
	enumeration	10	Online browsing provided.
	enumeration	11	Online file access provided.
Used by	Complex Type	onlineResource_onlineFunctionType	

Attribute **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	

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	

Attribute productType / @code

Namespace	No namespace		
Type	productCode		
Properties	use: required		
Facets	enumeration	1	A thick, slippery liquid that will not dissolve in water, usually petroleum based in the context of storage tanks.
	enumeration	2	A substance with particles that can move freely, usually a fuel substance in the context of storage tanks.
	enumeration	4	A general term for rock and rock fragments ranging in size from pebbles and gravel to boulders or large rock masses.
	enumeration	5	A hard black mineral that is burned as fuel.
	enumeration	6	A solid rock or mineral from which metal is obtained.
	enumeration	7	Any substance obtained by or used in a chemical process.
	enumeration	9	A white fluid secreted by female mammals as food for their young.
	enumeration	10	A mineral from which aluminum is obtained.
	enumeration	11	A solid substance obtained after gas and tar have been extracted from coal, used as a fuel.
	enumeration	12	An oblong lump of cast iron metal.
	enumeration	13	Sodium chloride obtained from mines or by the evaporation of sea water.
	enumeration	14	Loose material consisting of small but easily distinguishable, separate grains, between 0.0625 and 2.000 millimetres in diameter.
	enumeration	15	Wood prepared for use in building or carpentry.
	enumeration	16	Powdery fragments of wood made in sawing timber or coarse chips produced for use in manufacturing pressed board.
	enumeration	17	Discarded metal suitable for being reprocessed.
	enumeration	18	Natural gas that has been liquefied for ease of transport by cooling the gas to -162 Celsius.
	enumeration	19	A compressed gas consisting of flammable light hydrocarbons and derived from petroleum.
	enumeration	20	The fermented juice of grapes.
	enumeration	21	A substance made of powdered lime and clay, mixed with water.
	enumeration	22	A small hard seed, especially that of any cereal plant such as wheat, rice, corn, rye etc.
Used by	Complex Type	productType	

Attribute Terminal_productType / @code

Namespace	No namespace		
Type	Terminal_productCode		
Properties	use: required		
Facets	enumeration	1	A thick, slippery liquid that will not dissolve in water, usually petroleum based in the context of storage tanks.

enumeration	2	A substance with particles that can move freely, usually a fuel substance in the context of storage tanks.
enumeration	4	A general term for rock and rock fragments ranging in size from pebbles and gravel to boulders or large rock masses.
enumeration	5	A hard black mineral that is burned as fuel.
enumeration	6	A solid rock or mineral from which metal is obtained.
enumeration	7	Any substance obtained by or used in a chemical process.
enumeration	9	A white fluid secreted by female mammals as food for their young.
enumeration	10	A mineral from which aluminum is obtained.
enumeration	11	A solid substance obtained after gas and tar have been extracted from coal, used as a fuel.
enumeration	12	An oblong lump of cast iron metal.
enumeration	13	Sodium chloride obtained from mines or by the evaporation of sea water.
enumeration	14	Loose material consisting of small but easily distinguishable, separate grains, between 0.0625 and 2.000 millimetres in diameter.
enumeration	15	Wood prepared for use in building or carpentry.
enumeration	16	Powdery fragments of wood made in sawing timber or coarse chips produced for use in manufacturing pressed board.
enumeration	17	Discarded metal suitable for being reprocessed.
enumeration	18	Natural gas that has been liquefied for ease of transport by cooling the gas to -162 Celsius.
enumeration	19	A compressed gas consisting of flammable light hydrocarbons and derived from petroleum.
enumeration	20	The fermented juice of grapes.
enumeration	21	A substance made of powdered lime and clay, mixed with water.
enumeration	22	A small hard seed, especially that of any cereal plant such as wheat, rice, corn, rye etc.
Used by	Complex Type	Terminal_productType

Attribute qualityOfHorizontalMeasurementType / @code

Namespace	No namespace	
Type	qualityOfHorizontalMeasurementCode	
Properties	use: required	
Facets	enumeration	1
	enumeration	2
	enumeration	3
	enumeration	4
	enumeration	5
	enumeration	6

	enumeration	7	An object whose position has been reported and its position confirmed by some means other than a formal survey such as an independent report of the same object.
	enumeration	8	An object whose position has been reported and its position has not been confirmed.
	enumeration	9	The most probable position of an object determined from incomplete data or data of questionable accuracy.
	enumeration	10	A position that is of a known value, such as the position of an anchor berth or other defined object.
	enumeration	11	A position that is computed from data.
Used by	Complex Type	qualityOfHorizontalMeasurementType	

Attribute **SpatialQuality_qualityOfHorizontalMeasurementType / @code**

Namespace	No namespace		
Type	SpatialQuality_qualityOfHorizontalMeasurementCode		
Properties	use: required		
Facets	enumeration	1	The position(s) was(were) determined by the operation of making measurements for determining the relative position of points on, above or beneath the earth's surface. Survey implies a regular, controlled survey of any date.
	enumeration	2	Survey data is does not exist or is very poor.
	enumeration	3	Not surveyed to modern standards; or due to its age, scale, or positional or vertical uncertainties is not suitable to the type of navigation expected in the area.
	enumeration	4	A position that is considered to be less than third-order accuracy, but is generally considered to be within 30.5 metres of its correct geographic location. Also may apply to an object whose position does not remain fixed.
	enumeration	5	Of uncertain position. The expression is used principally on charts to indicate that a wreck, shoal, etc., has been reported in various positions and not definitely determined in any.
	enumeration	6	A feature's position has been obtained from questionable or unreliable data.
	enumeration	7	An object whose position has been reported and its position confirmed by some means other than a formal survey such as an independent report of the same object.
	enumeration	8	An object whose position has been reported and its position has not been confirmed.
	enumeration	9	The most probable position of an object determined from incomplete data or data of questionable accuracy.
	enumeration	10	A position that is of a known value, such as the position of an anchor berth or other defined object.
	enumeration	11	A position that is computed from data.
Used by	Complex Type	SpatialQuality_qualityOfHorizontalMeasurementType	

Attribute **repairServiceType / @code**

Namespace	No namespace		
Type	repairServiceCode		
Properties	use: required		
Facets	enumeration	1	The process of neutralizing or reducing to a minimum the magnetic effects the vessel itself exerts on a magnetic compass. It is based on the principle that the magnetic effect of the iron

		and steel of the vessel can be counterbalanced by means of magnets and soft iron placed near the compass. Also called compass adjustment, compass compensation, or magnetic compensation.
enumeration	2	Underwater inspection and repair performed by divers.
enumeration	3	Repairs to equipment installed on the ship's bridge.
enumeration	4	Repair of an engine or machine parts.
enumeration	5	Repair of marine electronic instruments.
enumeration	6	Repairs to the ship's body, frame, or superstructure.
enumeration	7	Repairs to equipment used in the act of navigating a ship.
enumeration	8	Repairs to propeller hub and blades.
enumeration	9	Repairs to equipment used in salvage operations.
enumeration	10	Repairs to drive shafts used for transmitting mechanical power and torque to a propeller.

Attribute AvailablePortServices_repairServiceType / @code

Namespace	No namespace		
Type	AvailablePortServices_repairServiceCode		
Properties	use: required		
Facets	enumeration	1	The process of neutralizing or reducing to a minimum the magnetic effects the vessel itself exerts on a magnetic compass. It is based on the principle that the magnetic effect of the iron and steel of the vessel can be counterbalanced by means of magnets and soft iron placed near the compass. Also called compass adjustment, compass compensation, or magnetic compensation.
	enumeration	2	Underwater inspection and repair performed by divers.
	enumeration	3	Repairs to equipment installed on the ship's bridge.
	enumeration	4	Repair of an engine or machine parts.
	enumeration	5	Repair of marine electronic instruments.
	enumeration	6	Repairs to the ship's body, frame, or superstructure.
	enumeration	7	Repairs to equipment used in the act of navigating a ship.
	enumeration	8	Repairs to propeller hub and blades.
	enumeration	9	Repairs to equipment used in salvage operations.
	enumeration	10	Repairs to drive shafts used for transmitting mechanical power and torque to a propeller.
Used by	Complex Type	AvailablePortServices_repairServiceType	

Attribute shipSanitationControlType / @code

Namespace	No namespace		
Type	shipSanitationControlCode		
Properties	use: required		
Facets	enumeration	1	Capable of applying measures to ensure that a vessel is free of disease and disease risks, but cannot issue a certificate.
	enumeration	2	The competent authority can issue a Ship Sanitation Control Certificate after satisfactorily completing or supervising the completion of ship sanitation control measures.

	enumeration	3	The competent authority may issue a Ship Sanitation Control Exemption Certificate if it is satisfied that the ship is free of infection and contamination, including vectors and reservoirs.
Used by	Complex Type	shipSanitationControlType	

Attribute AvailablePortServices_shipSanitationControlType / @code

Namespace	No namespace		
Type	AvailablePortServices_shipSanitationControlCode		
Properties	use: required		
Facets	enumeration	1	Capable of applying measures to ensure that a vessel is free of disease and disease risks, but cannot issue a certificate.
	enumeration	2	The competent authority can issue a Ship Sanitation Control Certificate after satisfactorily completing or supervising the completion of ship sanitation control measures.
	enumeration	3	The competent authority may issue a Ship Sanitation Control Exemption Certificate if it is satisfied that the ship is free of infection and contamination, including vectors and reservoirs.
Used by	Complex Type	AvailablePortServices_shipSanitationControlType	

Attribute sourceTypeType / @code

Namespace	No namespace		
Type	sourceTypeCode		
Properties	use: required		
Facets	enumeration	1	Treaty, convention, or international agreement; law or regulation issued by a national or other authority.
	enumeration	2	Publication not having the force of law, issued by an international organisation or a national or local administration.
	enumeration	7	Reported by mariner(s) and confirmed by another source.
	enumeration	8	Reported by mariner(s) but not confirmed.
	enumeration	9	Shipping and other industry publications, including graphics, charts and web sites.
	enumeration	10	Information obtained from satellite images.
	enumeration	11	Information obtained from photographs.
	enumeration	12	Information obtained from products issued by Hydrographic Offices.
	enumeration	13	Information obtained from news media.
	enumeration	14	Information obtained from the analysis of traffic data.
Used by	Complex Type	sourceTypeType	

Attribute sourceIndication_sourceTypeType / @code

Namespace	No namespace		
Type	sourceIndication_sourceTypeCode		
Properties	use: required		
Facets	enumeration	1	Treaty, convention, or international agreement; law or regulation issued by a national or other authority.

	enumeration	2	Publication not having the force of law, issued by an international organisation or a national or local administration.
	enumeration	7	Reported by mariner(s) and confirmed by another source.
	enumeration	8	Reported by mariner(s) but not confirmed.
	enumeration	9	Shipping and other industry publications, including graphics, charts and web sites.
	enumeration	10	Information obtained from satellite images.
	enumeration	11	Information obtained from photographs.
	enumeration	12	Information obtained from products issued by Hydrographic Offices.
	enumeration	13	Information obtained from news media.
	enumeration	14	Information obtained from the analysis of traffic data.
Used by	Complex Type	sourceIndication_sourceTypeType	

Attribute **supplyServiceType / @code**

Namespace	No namespace		
Type	supplyServiceCode		
Properties	use: required		
Facets	enumeration	1	The provision of shoreside electrical power to a ship at berth while its main and auxiliary engines are shut down.
	enumeration	2	Transfer of fuel oil to the fuel compartments of a ship.
	enumeration	3	Transfer of liquefied natural gas to the fuel compartments of a ship.
	enumeration	4	Substances capable of reducing friction, heat, and wear when introduced as a film between solid surfaces.
	enumeration	5	The gas into which water is changed by boiling.
	enumeration	6	Water which can be used for drinking and food preparation.
	enumeration	7	A universal hose connection for the supply of water for fighting fires.
	enumeration	8	A place where food and other such supplies are available.
	enumeration	9	A dealer in ships' supplies.
	enumeration	10	A place where mechanical repairs can be undertaken to engines or other vessel equipment.
Used by	Complex Type	supplyServiceType	

Attribute **AvailablePortServices_supplyServiceType / @code**

Namespace	No namespace		
Type	AvailablePortServices_supplyServiceCode		
Properties	use: required		
Facets	enumeration	1	The provision of shoreside electrical power to a ship at berth while its main and auxiliary engines are shut down.
	enumeration	2	Transfer of fuel oil to the fuel compartments of a ship.
	enumeration	3	Transfer of liquefied natural gas to the fuel compartments of a ship.
	enumeration	4	Substances capable of reducing friction, heat, and wear when introduced as a film between solid surfaces.

	enumeration	5	The gas into which water is changed by boiling.
	enumeration	6	Water which can be used for drinking and food preparation.
	enumeration	7	A universal hose connection for the supply of water for fighting fires.
	enumeration	8	A place where food and other such supplies are available.
	enumeration	9	A dealer in ships' supplies.
	enumeration	10	A place where mechanical repairs can be undertaken to engines or other vessel equipment.
Used by	Complex Type	AvailablePortServices_supplyServiceType	

Attribute **technicalPortServiceType / @code**

Namespace	No namespace		
Type	technicalPortServiceCode		
Properties	use: required		
Facets	enumeration	1	The process of neutralizing or reducing to a minimum the magnetic effects the vessel itself exerts on a magnetic compass. It is based on the principle that the magnetic effect of the iron and steel of the vessel can be counterbalanced by means of magnets and soft iron placed near the compass. Also called compass adjustment, compass compensation, or magnetic compensation.
	enumeration	2	Neutralization of the strength of the magnetic field of a vessel, by means of suitably arranged electric coils permanently installed in the vessel. See also Degaussing Cable.
	enumeration	3	Inspection, evaluation or monitoring of the quantity, stowage, loading and unloading, and condition of cargo, and the effects of cargoes on vessel stability and safety.
	enumeration	4	Assessment of quality and compliance with applicable law, regulations, and safety standards.
Used by	Complex Type	technicalPortServiceType	

Attribute **AvailablePortServices_technicalPortServiceType / @code**

Namespace	No namespace		
Type	AvailablePortServices_technicalPortServiceCode		
Properties	use: required		
Facets	enumeration	1	The process of neutralizing or reducing to a minimum the magnetic effects the vessel itself exerts on a magnetic compass. It is based on the principle that the magnetic effect of the iron and steel of the vessel can be counterbalanced by means of magnets and soft iron placed near the compass. Also called compass adjustment, compass compensation, or magnetic compensation.
	enumeration	2	Neutralization of the strength of the magnetic field of a vessel, by means of suitably arranged electric coils permanently installed in the vessel. See also Degaussing Cable.
	enumeration	3	Inspection, evaluation or monitoring of the quantity, stowage, loading and unloading, and condition of cargo, and the effects of cargoes on vessel stability and safety.
	enumeration	4	Assessment of quality and compliance with applicable law, regulations, and safety standards.
Used by	Complex Type	AvailablePortServices_technicalPortServiceType	

Attribute **telecommunicationServiceType / @code**

Namespace	No namespace	
Type	telecommunicationServiceCode	
Properties	use: required	
Facets	enumeration	1 The transfer or exchange of information by using sounds that are being made by mouth and throat when speaking.
	enumeration	2 A system of transmitting and reproducing graphic matter (as printing or still pictures) by means of signals sent over telephone lines.
	enumeration	3 Short Message Service is a form of text messaging communication on phones and mobile phones.
	enumeration	4 A representation of facts, concepts or instructions in a formalised manner suitable for communication, interpretation or processing.
	enumeration	5 Data that is constantly received by and presented to an end-user while being delivered by a provider.
	enumeration	6 A system of communication in which messages are sent over long distances by using a telephone system and are printed by using a special machine (called a teletypewriter).
	enumeration	7 An apparatus, system or process for communication at a distance by electric transmission over wire.
	enumeration	8 Messages and other data exchanged between individuals using computers in a network.
Used by	Complex Type	telecommunicationServiceType

Attribute **telecommunications_telecommunicationServiceType / @code**

Namespace	No namespace	
Type	telecommunications_telecommunicationServiceCode	
Properties	use: required	
Facets	enumeration	1 The transfer or exchange of information by using sounds that are being made by mouth and throat when speaking.
	enumeration	2 A system of transmitting and reproducing graphic matter (as printing or still pictures) by means of signals sent over telephone lines.
	enumeration	3 Short Message Service is a form of text messaging communication on phones and mobile phones.
	enumeration	4 A representation of facts, concepts or instructions in a formalised manner suitable for communication, interpretation or processing.
	enumeration	5 Data that is constantly received by and presented to an end-user while being delivered by a provider.
	enumeration	6 A system of communication in which messages are sent over long distances by using a telephone system and are printed by using a special machine (called a teletypewriter).
	enumeration	7 An apparatus, system or process for communication at a distance by electric transmission over wire.
	enumeration	8 Messages and other data exchanged between individuals using computers in a network.
Used by	Complex Type	telecommunications_telecommunicationServiceType

Attribute **textTypeType / @code**

Namespace	No namespace
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Type	textTypeCode	
Properties	use:	required
Facets	enumeration	1 The individual name of a feature.
Used by	Complex Type	textTypeType

Attribute **TextPlacement_textTypeType** / @code

Namespace	No namespace	
Type	TextPlacement_textTypeCode	
Properties	use: required	
Facets	enumeration	1 The individual name of a feature.
Used by	Complex Type	TextPlacement_textTypeType

Attribute **verticalDatumType** / @code

Namespace	No namespace	
Type	verticalDatumCode	
Properties	use: required	
Facets	enumeration	1 The average height of the low waters of spring tides. This level is used as a tidal datum in some areas. Also called spring low water.
	enumeration	2 The average height of lower low water springs at a place.
	enumeration	3 The average height of the surface of the sea at a tide station for all stages of the tide over a 19-year period, usually determined from hourly height readings measured from a fixed predetermined reference level.
	enumeration	4 An arbitrary level conforming to the lowest tide observed at a place, or some what lower.
	enumeration	5 The average height of all low waters at a place over a 19-year period.
	enumeration	6 An arbitrary level conforming to the lowest water level observed at a place at spring tides during a period of time shorter than 19 years.
	enumeration	7 An arbitrary level, usually within 0.3m from that of Mean Low Water Springs (MLWS).
	enumeration	8 An arbitrary tidal datum approximating the level of the mean of the lower low water at spring tides. It was first used in waters surrounding India.
	enumeration	9 An arbitrary level, approximating that of mean low water springs (MLWS).
	enumeration	10 An arbitrary level, usually within 0.3m from that of Lowest Astronomical Tide (LAT).
	enumeration	11 An arbitrary level approximating the lowest water level observed at a place, usually equivalent to the Indian Spring Low Water (ISLW).
	enumeration	12 The average height of the lower low waters at a place over a 19-year period.
	enumeration	13 The lowest level reached at a place by the water surface in one oscillation. Also called low tide.
	enumeration	14 An arbitrary level, usually within 0.3m from that of Mean Low Water (MLW).
	enumeration	15 An arbitrary level, usually within 0.3m from that of Mean Lower Low Water (MLLW).
	enumeration	16 The average height of all high waters at a place over a 19-year period.
	enumeration	17 The average height of the high waters of spring tides. Also called spring high water.

	enumeration	18	The highest level reached at a place by the water surface in one oscillation.
	enumeration	19	An arbitrary level, usually within 0.3m from that of Mean Sea Level (MSL).
	enumeration	20	An arbitrary level, approximating that of mean high water springs (MHWS).
	enumeration	21	The average height of higher high waters at a place over a 19-year period.
	enumeration	22	The level of low water springs near the time of an equinox.
	enumeration	23	The lowest tide level which can be predicted to occur under average meteorological conditions and under any combination of astronomical conditions.
	enumeration	24	An arbitrary datum defined by a local harbour authority, from which levels and tidal heights are measured by this authority.
	enumeration	25	A vertical reference system with its zero based on the mean water level at Rimouski/Pointe-au-Pere, Quebec, over the period 1970 to 1988.
	enumeration	26	The average of all hourly water levels over the available period of record.
	enumeration	27	The average of the lowest low waters, one from each of 19 years of observations.
	enumeration	28	The average of the highest high waters, one from each of 19 years of observations.
	enumeration	29	An arbitrary level approximating the highest water level observed at a place, usually equivalent to the high water springs.
	enumeration	30	The highest tidal level which can be predicted to occur under average meteorological conditions and under any combination of astronomical conditions.
	enumeration	44	The datum refers to each Baltic country's realization of the European Vertical Reference System (EVRS) with land-uplift epoch 2000, which is connected to the Normaal Amsterdams Peil (NAP).
Used by	Complex Type	verticalDatumType	

Attribute SoundingDatum_verticalDatumType / @code

Namespace	No namespace		
Type	SoundingDatum_verticalDatumCode		
Properties	use: required		
Facets	enumeration	1	The average height of the low waters of spring tides. This level is used as a tidal datum in some areas. Also called spring low water.
	enumeration	2	The average height of lower low water springs at a place.
	enumeration	3	The average height of the surface of the sea at a tide station for all stages of the tide over a 19-year period, usually determined from hourly height readings measured from a fixed predetermined reference level.
	enumeration	4	An arbitrary level conforming to the lowest tide observed at a place, or some what lower.
	enumeration	5	The average height of all low waters at a place over a 19-year period.
	enumeration	6	An arbitrary level conforming to the lowest water level observed at a place at spring tides during a period of time shorter than 19 years.
	enumeration	7	An arbitrary level, usually within 0.3m from that of Mean Low Water Springs (MLWS).
	enumeration	8	An arbitrary tidal datum approximating the level of the mean of the lower low water at spring

		tides. It was first used in waters surrounding India.
enumeration	9	An arbitrary level, approximating that of mean low water springs (MLWS).
enumeration	10	An arbitrary level, usually within 0.3m from that of Lowest Astronomical Tide (LAT).
enumeration	11	An arbitrary level approximating the lowest water level observed at a place, usually equivalent to the Indian Spring Low Water (ISLW).
enumeration	12	The average height of the lower low waters at a place over a 19-year period.
enumeration	13	The lowest level reached at a place by the water surface in one oscillation. Also called low tide.
enumeration	14	An arbitrary level, usually within 0.3m from that of Mean Low Water (MLW).
enumeration	15	An arbitrary level, usually within 0.3m from that of Mean Lower Low Water (MLLW).
enumeration	19	An arbitrary level, usually within 0.3m from that of Mean Sea Level (MSL).
enumeration	22	The level of low water springs near the time of an equinox.
enumeration	23	The lowest tide level which can be predicted to occur under average meteorological conditions and under any combination of astronomical conditions.
enumeration	24	An arbitrary datum defined by a local harbour authority, from which levels and tidal heights are measured by this authority.
enumeration	25	A vertical reference system with its zero based on the mean water level at Rimouski/Pointe-au-Pere, Quebec, over the period 1970 to 1988.
enumeration	26	The average of all hourly water levels over the available period of record.
enumeration	27	The average of the lowest low waters, one from each of 19 years of observations.
enumeration	44	The datum refers to each Baltic country's realization of the European Vertical Reference System (EVRS) with land-uplift epoch 2000, which is connected to the Normaal Amsterdams Peil (NAP).
Used by	Complex Type	SoundingDatum_verticalDatumType

Attribute VerticalDatumOfData_verticalDatumType / @code

Namespace	No namespace		
Type	VerticalDatumOfData_verticalDatumCode		
Properties	use: required		
Facets	enumeration	3	The average height of the surface of the sea at a tide station for all stages of the tide over a 19-year period, usually determined from hourly height readings measured from a fixed predetermined reference level.
	enumeration	13	The lowest level reached at a place by the water surface in one oscillation. Also called low tide.
	enumeration	16	The average height of all high waters at a place over a 19-year period.
	enumeration	17	The average height of the high waters of spring tides. Also called spring high water.
	enumeration	18	The highest level reached at a place by the water surface in one oscillation.
	enumeration	19	An arbitrary level, usually within 0.3m from that of Mean Sea Level (MSL).
	enumeration	20	An arbitrary level, approximating that of mean high water springs (MHWS).

	enumeration	21	The average height of higher high waters at a place over a 19-year period.
	enumeration	24	An arbitrary datum defined by a local harbour authority, from which levels and tidal heights are measured by this authority.
	enumeration	25	A vertical reference system with its zero based on the mean water level at Rimouski/Pointe-au-Pere, Quebec, over the period 1970 to 1988.
	enumeration	26	The average of all hourly water levels over the available period of record.
	enumeration	28	The average of the highest high waters, one from each of 19 years of observations.
	enumeration	29	An arbitrary level approximating the highest water level observed at a place, usually equivalent to the high water springs.
	enumeration	30	The highest tidal level which can be predicted to occur under average meteorological conditions and under any combination of astronomical conditions.
	enumeration	44	The datum refers to each Baltic country's realization of the European Vertical Reference System (EVRS) with land-uplift epoch 2000, which is connected to the Normaal Amsterdams Peil (NAP).
Used by	Complex Type	VerticalDatumOfData_verticalDatumType	

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 which are exempted such as: peak and other tanks for water ballast, open forecastle bridge and poop, access of hatchways, certain light and air spaces, domes of skylights, condenser, anchor gear, steering gear, wheel house, galley and cabin for passengers.
	enumeration	11	Obtained from the gross tonnage by deducting crew and navigating spaces and allowances for propulsion machinery.

	enumeration	12	The Panama Canal/Universal Measurement System (PC/UMS) is based on net tonnage, modified for Panama Canal purposes. PC/UMS is based on a mathematical formula to calculate a vessel's total volume; a PC/UMS net ton is equivalent to 100 cubic feet of capacity.
	enumeration	13	The Suez Canal Net Tonnage (SCNT) is derived with a number of modifications from the former net register tonnage of the Moorsom System and was established by the International Commission of Constantinople in its Protocol of 18 December 1873. It is still in use, as amended by the Rules of Navigation of the Suez Canal Authority, and is registered in the Suez Canal Tonnage Certificate.
Used by	Complex Type	vesselsCharacteristicsType	

Attribute **vesselMeasurementsSpecification_vesselsCharacteristicsType / @code**

Namespace	No namespace		
Type	vesselMeasurementsSpecification_vesselsCharacteristicsCode		
Properties	use: required		
Facets	enumeration	1	The maximum length of the ship.
	enumeration	2	The ship's length measured at the waterline.
	enumeration	3	The width or beam of the vessel.
	enumeration	4	The depth of water necessary to float a vessel fully loaded.
	enumeration	6	A measurement of the weight of the vessel, usually used for warships. (Merchant ships are usually measured based on the volume of cargo space; see tonnage). Displacement is expressed either in long tons of 2,240 pounds or metric tonnes of 1,000 kg. Since the two units are very close in size (2,240 pounds = 1,016 kg and 1,000 kg = 2,205 pounds), it is common not to distinguish between them. To preserve secrecy, nations sometimes misstate a warship's displacement.
	enumeration	7	The weight of the ship excluding cargo, fuel, ballast, stores, passengers, and crew, but with water in the boilers to steaming level.
	enumeration	8	The weight of the ship including cargo, passengers, fuel, water, stores, dunnage and such other items necessary for use on a voyage, which brings the vessel down to her load draft.
	enumeration	9	The difference between displacement, light and displacement, loaded. A measure of the ship's total carrying capacity.
	enumeration	10	The entire internal cubic capacity of the ship expressed in tons of 100 cubic feet to the ton, except certain spaces which are exempted such as: peak and other tanks for water ballast, open forecastle bridge and poop, access of hatchways, certain light and air spaces, domes of skylights, condenser, anchor gear, steering gear, wheel house, galley and cabin for passengers.
	enumeration	11	Obtained from the gross tonnage by deducting crew and navigating spaces and allowances for propulsion machinery.
	enumeration	12	The Panama Canal/Universal Measurement System (PC/UMS) is based on net tonnage, modified for Panama Canal purposes. PC/UMS is based on a mathematical formula to calculate a vessel's total volume; a PC/UMS net ton is equivalent to 100 cubic feet of capacity.
	enumeration	13	The Suez Canal Net Tonnage (SCNT) is derived with a number of modifications from the former net register tonnage of the Moorsom System and was established by the International Commission of Constantinople in its Protocol of 18 December

		1873. It is still in use, as amended by the Rules of Navigation of the Suez Canal Authority, and is registered in the Suez Canal Tonnage Certificate.
Used by	Complex Type	vesselMeasurementsSpecification_vesselsCharacteristicsType

Attribute vesselsCharacteristicsUnitType / @code

Namespace	No namespace	
Type	vesselsCharacteristicsUnitCode	
Properties	use: required	
Facets	enumeration	1 The basic unit of length in the International System of Units (SI) system.
	enumeration	3 The tonne or metric ton (U.S.), often redundantly referred to as a metric tonne, is a unit of mass equal to 1,000 kg (2,205 lb) or approximately the mass of one cubic metre of water at four degrees Celsius. It is sometimes abbreviated as mt in the United States, but this conflicts with other SI symbols. The tonne is not a unit in the International System of Units (SI), but is accepted for use with the SI. In SI units and prefixes, the tonne is a megagram (Mg). The Imperial and US customary units comparable to the tonne are both spelled ton in English, though they differ in mass. Pronunciation of tonne (the word used in the UK) and ton is usually identical, but is not too confusing unless accuracy is important as the tonne and UK long ton differ by only 1.6.
	enumeration	4 Long ton (weight ton or imperial ton) is the name for the unit called the "ton" in the avoirdupois or Imperial system of measurements, as used in the United Kingdom and several other Commonwealth countries. It has been mostly replaced by the tonne, and in the United States by the short ton. One long ton is equal to 2,240 pounds (1,016 kg) or 35 cubic feet (0.9911 m) of salt water with a density of 64 lb/ft (1.025 g/ml). It has some limited use in the United States, most commonly in measuring the displacement of ships, and was the unit prescribed for warships by the Washington Naval Treaty for example battleships were limited to a mass of 35,000 long tons (36,000 t; 39,000 ST).
	enumeration	5 A unit of weight equal to 2,000 pounds (907.18474 kg). In the United States it is often called simply ton without distinguishing it from the metric ton (tonne, 1,000 kilograms) or the long ton (2,240 pounds / 1,016.0469088 kilograms); rather, the other two are specifically noted. There are, however, some US applications for which unspecified tons normally means long tons (for example, Navy ships) or metric tons (world grain production figures). Both the long and short ton are defined as 20 hundredweights, but a hundredweight is 100 pounds (45.359237 kg) in the US system (short or net hundredweight) and 112 pounds (50.80234544 kg) in the Imperial system (long or gross hundredweight).
	enumeration	6 Gross tonnage (GT) is a function of the volume of all ship's enclosed spaces (from keel to funnel) measured to the outside of the hull framing. There is a sliding scale factor. So GT is a kind of capacity-derived index that is used to rank a ship for purposes of determining manning, safety and other statutory requirements and is expressed simply as GT, which is a unitless entity, even though its derivation is tied to the cubic meter unit of volumetric capacity. Tonnage measurements are now governed by an IMO Convention (International Convention on Tonnage Measurement of Ships, 1969 (London-Rules)), which applies to all ships built after July 1982. In accordance with the Convention, the correct term to use now is GT, which is a

		function of the moulded volume of all enclosed spaces of the ship.
enumeration	7	Net tonnage (NT) is based on a calculation of the volume of all cargo spaces of the ship. It indicates a vessel's earning space and is a function of the moulded volume of all cargo spaces of the ship.
enumeration	9	The Suez Canal Net Tonnage (SCNT) is derived with a number of modifications from the former net register tonnage of the Moorsom System and was established by the International Commission of Constantinople in its Protocol of 18 December 1873. It is still in use, as amended by the Rules of Navigation of the Suez Canal Authority, and is registered in the Suez Canal Tonnage Certificate.
Used by	Complex Type	vesselsCharacteristicsUnitType

Attribute `vesselMeasurementsSpecification_vesselsCharacteristicsUnitType` / @code

Namespace	No namespace		
Type	vesselMeasurementsSpecification_vesselsCharacteristicsUnitCode		
Properties	use: required		
Facets	enumeration	1	The basic unit of length in the International System of Units (SI) system.
	enumeration	3	The tonne or metric ton (U.S.), often redundantly referred to as a metric tonne, is a unit of mass equal to 1,000 kg (2,205 lb) or approximately the mass of one cubic metre of water at four degrees Celsius. It is sometimes abbreviated as mt in the United States, but this conflicts with other SI symbols. The tonne is not a unit in the International System of Units (SI), but is accepted for use with the SI. In SI units and prefixes, the tonne is a megagram (Mg). The Imperial and US customary units comparable to the tonne are both spelled ton in English, though they differ in mass. Pronunciation of tonne (the word used in the UK) and ton is usually identical, but is not too confusing unless accuracy is important as the tonne and UK long ton differ by only 1.6.
	enumeration	4	Long ton (weight ton or imperial ton) is the name for the unit called the "ton" in the avoirdupois or Imperial system of measurements, as used in the United Kingdom and several other Commonwealth countries. It has been mostly replaced by the tonne, and in the United States by the short ton. One long ton is equal to 2,240 pounds (1,016 kg) or 35 cubic feet (0.9911 m ³) of salt water with a density of 64 lb/ft ³ (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

		<p>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	Net tonnage (NT) is based on a calculation of the volume of all cargo spaces of the ship. It indicates a vessel's earning space and is a function of the moulded volume of all cargo spaces of the ship.
enumeration	9	The Suez Canal Net Tonnage (SCNT) is derived with a number of modifications from the former net register tonnage of the Moorsom System and was established by the International Commission of Constantinople in its Protocol of 18 December 1873. It is still in use, as amended by the Rules of Navigation of the Suez Canal Authority, and is registered in the Suez Canal Tonnage Certificate.
Used by	Complex Type	vesselMeasurementsSpecification_vesselsCharacteristicsUnitType

Attribute wasteDisposalServiceType / @code

Namespace	No namespace		
Type	wasteDisposalServiceCode		
Properties	use: required		
Facets	enumeration	1	The service with facility to receive oil related waste/residue of the type "Oily bilge water" as specified in MARPOL Annex I.
	enumeration	2	The service with facility to receive oil related waste/residue of the type "Oily Residues (sludge)" as specified in MARPOL Annex I.
	enumeration	3	The service with facility to receive oil related waste/residue of the type "Oily tank washings (slops)" as specified in MARPOL Annex I.
	enumeration	4	The service with facility to receive oil related waste/residue of the type "Dirty ballast water" as specified in MARPOL Annex I.
	enumeration	5	The service with facility to receive oil related waste/residue of the type "Scale and sludge from tank cleaning" as specified in MARPOL Annex I.
	enumeration	6	The service with facility to receive oil related waste/residue of the type "Other" as specified in MARPOL Annex I.
	enumeration	7	The service with facility to receive chemical/Noxious liquid substances related waste/residue of the type "Category X" as specified in MARPOL Annex II.
	enumeration	8	The service with facility to receive chemical/Noxious liquid substances related waste/residue of the type "Category Y" as specified in MARPOL Annex II.
	enumeration	9	The service with facility to receive chemical/Noxious liquid substances related waste/residue of the type "Category Z" as specified in MARPOL Annex II.
	enumeration	10	The service with facility to receive chemical/Noxious liquid substances related waste/residue of the type "Other substance" as specified in MARPOL Annex II.

enumeration	11	The service with facility to receive waste/residue of the type "Sewage" as specified in MARPOL Annex IV.
enumeration	12	The service with facility to receive garbage related waste/residue of the type "Plastics", as specified in MARPOL Annex V
enumeration	13	The service with facility to receive garbage related waste/residue of the type "Food wastes", as specified in MARPOL Annex V
enumeration	14	The service with facility to receive garbage related waste/residue of the type "Domestic wastes", as specified in MARPOL Annex V
enumeration	15	The service with facility to receive garbage related waste/residue of the type "Cooking oil", as specified in MARPOL Annex V
enumeration	16	The service with facility to receive garbage related waste/residue of the type "Incinerator ashes", as specified in MARPOL Annex V
enumeration	17	The service with facility to receive garbage related waste/residue of the type "Operational wastes", as specified in MARPOL Annex V
enumeration	18	The service with facility to receive garbage related waste/residue of the type "Animal carcasses", as specified in MARPOL Annex V
enumeration	19	The service with facility to receive garbage related waste/residue of the type "Fishing gear", as specified in MARPOL Annex V
enumeration	20	The service with facility to receive garbage related waste/residue of the type "E-waste", as specified in MARPOL Annex V
enumeration	21	The service with facility to receive garbage related waste/residue of the type "Cargo residues not determined to be harmful to the marine environment", as specified in MARPOL Annex V
enumeration	22	The service with facility to receive garbage related waste/residue of the type "Cargo residues harmful to the marine environment", as specified in MARPOL Annex V
enumeration	23	The service with facility to receive air pollution related waste/residue of the type "Ozone-depleting substances" as specified in MARPOL Annex VI.
enumeration	24	The service with facility to receive air pollution related waste/residue of the type "Exhaust gas-cleaning residues" as specified in MARPOL Annex VI.
Used by	Complex Type	wasteDisposalServiceType

Attribute AvailablePortServices_wasteDisposalServiceType / @code

Namespace	No namespace	
Type	AvailablePortServices_wasteDisposalServiceCode	
Properties	use: required	
Facets	enumeration	1
		The service with facility to receive oil related waste/residue of the type "Oily bilge water" as specified in MARPOL Annex I.
	enumeration	2
		The service with facility to receive oil related waste/residue of the type "Oily Residues (sludge)" as specified in MARPOL Annex I.
	enumeration	3
		The service with facility to receive oil related waste/residue of the type "Oily tank washings (slops)" as specified in MARPOL Annex I.
	enumeration	4
		The service with facility to receive oil related waste/residue of the type "Dirty ballast water" as specified in MARPOL Annex I.
	enumeration	5
		The service with facility to receive oil related waste/residue of the type "Scale and sludge from tank cleaning" as specified in MARPOL Annex I.

enumeration	6	The service with facility to receive oil related waste/residue of the type "Other" as specified in MARPOL Annex I.
enumeration	7	The service with facility to receive chemical/Noxious liquid substances related waste/residue of the type "Category X" as specified in MARPOL Annex II.
enumeration	8	The service with facility to receive chemical/Noxious liquid substances related waste/residue of the type "Category Y" as specified in MARPOL Annex II.
enumeration	9	The service with facility to receive chemical/Noxious liquid substances related waste/residue of the type "Category Z" as specified in MARPOL Annex II.
enumeration	10	The service with facility to receive chemical/Noxious liquid substances related waste/residue of the type "Other substance" as specified in MARPOL Annex II.
enumeration	11	The service with facility to receive waste/residue of the type "Sewage" as specified in MARPOL Annex IV.
enumeration	12	The service with facility to receive garbage related waste/residue of the type "Plastics", as specified in MARPOL Annex V
enumeration	13	The service with facility to receive garbage related waste/residue of the type "Food wastes", as specified in MARPOL Annex V
enumeration	14	The service with facility to receive garbage related waste/residue of the type "Domestic wastes", as specified in MARPOL Annex V
enumeration	15	The service with facility to receive garbage related waste/residue of the type "Cooking oil", as specified in MARPOL Annex V
enumeration	16	The service with facility to receive garbage related waste/residue of the type "Incinerator ashes", as specified in MARPOL Annex V
enumeration	17	The service with facility to receive garbage related waste/residue of the type "Operational wastes", as specified in MARPOL Annex V
enumeration	18	The service with facility to receive garbage related waste/residue of the type "Animal carcasses", as specified in MARPOL Annex V
enumeration	19	The service with facility to receive garbage related waste/residue of the type "Fishing gear", as specified in MARPOL Annex V
enumeration	20	The service with facility to receive garbage related waste/residue of the type "E-waste", as specified in MARPOL Annex V
enumeration	21	The service with facility to receive garbage related waste/residue of the type "Cargo residues not determined to be harmful to the marine environment", as specified in MARPOL Annex V
enumeration	22	The service with facility to receive garbage related waste/residue of the type "Cargo residues harmful to the marine environment", as specified in MARPOL Annex V
enumeration	23	The service with facility to receive air pollution related waste/residue of the type "Ozone-depleting substances" as specified in MARPOL Annex VI.
enumeration	24	The service with facility to receive air pollution related waste/residue of the type "Exhaust gas-cleaning residues" as specified in MARPOL Annex VI.
Used by	Complex Type	AvailablePortServices_wasteDisposalServiceType

Attribute actionOrActivityType / @code

Namespace	No namespace
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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
		Attaching a vessel to a wharf or jetty.
	enumeration	5
		Detaching a vessel from a wharf or jetty.
	enumeration	6
		Attaching a vessel to the seabed by means of an anchor and cable.
	enumeration	7
		Detaching a vessel from the seabed by recovering an anchor and cable.
	enumeration	8
		Navigating a vessel along a route or through a narrow gap, such as under a bridge or through a lock.
	enumeration	9
		Navigating a vessel past another traveling broadly in the same direction.
	enumeration	10
		Providing details such as the name, location or intentions of a vessel.
	enumeration	11
		Loading or unloading cargo.
	enumeration	12
		Placing crew or passengers on shore.
	enumeration	13
		A signal or message warning of diving activity.
	enumeration	14
		Hunting or catching fish.
	enumeration	15
		Releasing anything into the sea; often ballast water; or spoil from dredging elsewhere.
	enumeration	16
		Navigating a vessel past another travelling broadly in the opposite direction.
	enumeration	17
		Discharge and uptake of ballast water.
	enumeration	18
		The removal or treatment of biofouling (accumulation of aquatic organisms including microfouling and macrofouling) from a ship's submerged surfaces, including hull and niche areas, conducted either in-water or during dry-docking. The process includes both proactive cleaning (periodic removal of microfouling) and reactive cleaning (removal of micro- and macrofouling as corrective action).
	enumeration	19
		The conduct of observational, sampling, or experimental activities by authorised personnel to collect scientific or environmental data, which may involve the deployment of scientific instruments, collection of biological or geological samples, or in-water survey operations.
	enumeration	20
		Organised recreational visitation and leisure activities in marine areas, including sightseeing, wildlife observation, glass-bottom vessel tours, and guided nature excursions conducted by commercial or permitted operators.
	enumeration	21
		Structured activities conducted for training, awareness, or interpretive purposes involving groups or individuals learning about the marine environment, including guided educational programs, school activities, and field instruction conducted within designated marine areas.
	enumeration	22
		Inspection, repair, or upkeep of existing marine or coastal infrastructure such as wharves, piers, pipelines, moorings, subsea cables, navigational aids, or coastal protection structures, including minor works that do not expand the original footprint.
Used by	Complex Type	actionOrActivityType

Attribute actionOrActivityType / @codelistType

Namespace	No namespace	
Type	codelistTypeType	
Properties	fixed: openEnumeration	
Facets	enumeration	openEnumeration
	enumeration	openDictionary
	enumeration	closedDictionary
Used by	Complex Type	actionOrActivityType

Attribute actionOrActivityType / @otherValue

Namespace	No namespace	
Annotations	Only if an "extra" value is encoded	
Type	extraValueType	
Properties	content: simple	
Facets	pattern	[a-zA-Z0-9]+([a-zA-Z0-9]+)*
Used by	Complex Type	actionOrActivityType

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
		Attaching a vessel to a wharf or jetty.
	enumeration	5
		Detaching a vessel from a wharf or jetty.
	enumeration	6
		Attaching a vessel to the seabed by means of an anchor and cable.
	enumeration	7
		Detaching a vessel from the seabed by recovering an anchor and cable.
	enumeration	8
		Navigating a vessel along a route or through a narrow gap, such as under a bridge or through a lock.
	enumeration	9
		Navigating a vessel past another traveling broadly in the same direction.
	enumeration	10
		Providing details such as the name, location or intentions of a vessel.
	enumeration	11
		Loading or unloading cargo.
	enumeration	12
		Placing crew or passengers on shore.
	enumeration	13
		A signal or message warning of diving activity.
	enumeration	14
		Hunting or catching fish.
	enumeration	15
		Releasing anything into the sea; often ballast water; or spoil from dredging elsewhere.
	enumeration	16
		Navigating a vessel past another travelling broadly in the opposite direction.
	enumeration	17
		Discharge and uptake of ballast water.
	enumeration	18
		The removal or treatment of biofouling (accumulation of aquatic organisms including microfouling and macrofouling) from a ship's submerged surfaces, including hull and niche areas, conducted either in-water or during dry-docking. The process includes both proactive

		cleaning (periodic removal of microfouling) and reactive cleaning (removal of micro- and macrofouling as corrective action).
enumeration	19	The conduct of observational, sampling, or experimental activities by authorised personnel to collect scientific or environmental data, which may involve the deployment of scientific instruments, collection of biological or geological samples, or in-water survey operations.
enumeration	20	Organised recreational visitation and leisure activities in marine areas, including sightseeing, wildlife observation, glass-bottom vessel tours, and guided nature excursions conducted by commercial or permitted operators.
enumeration	21	Structured activities conducted for training, awareness, or interpretive purposes involving groups or individuals learning about the marine environment, including guided educational programs, school activities, and field instruction conducted within designated marine areas.
enumeration	22	Inspection, repair, or upkeep of existing marine or coastal infrastructure such as wharves, piers, pipelines, moorings, subsea cables, navigational aids, or coastal protection structures, including minor works that do not expand the original footprint.
Used by	Complex Type	rxNCode_actionOrActivityType

Attribute categoryOfRxNType / @code

Namespace	No namespace		
Type	categoryOfRxNCode		
Properties	use: optional		
Facets	enumeration	1	The process of directing the movement of a craft from one point to another.
	enumeration	2	Transmitting and/or receiving electronic communication signals.
	enumeration	3	Pertaining to environmental protection.
	enumeration	4	Pertaining to wildlife protection.
	enumeration	5	Pertaining to security.
	enumeration	6	The agency or establishment for collecting duties, tolls.
	enumeration	7	Pertaining to cargo operations.
	enumeration	8	Pertaining to a place of safety or refuge.
	enumeration	9	The authority with responsibility for checking the validity of the health declaration of a vessel and for declaring free pratique.
	enumeration	10	Pertaining to natural resources or exploitation.
	enumeration	11	Person or corporation, owners of, or entrusted with or invested with the power of managing a port. May be called a Harbour Board, Port Trust, Port Commission, Harbour Commission, Marine Department.
	enumeration	12	An authority with responsibility for the control and movement of money.
	enumeration	13	The science, art, or practice of cultivating the soil, producing crops, and raising livestock and in varying degrees the preparation and marketing of the resulting products.
Used by	Complex Type	categoryOfRxNType	

Attribute categoryOfRxNType / @codelistType

Namespace	No namespace
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Type	codelistTypeType		
Properties	fixed: openEnumeration		
Facets	enumeration	openEnumeration	Open enumeration
	enumeration	openDictionary	Open dictionary
	enumeration	closedDictionary	Closed Dictionary
Used by	Complex Type	categoryOfRxNType	

Attribute categoryOfRxNType / @otherValue

Namespace	No namespace		
Annotations	Only if an "extra" value is encoded		
Type	extraValueType		
Properties	content:	simple	
Facets	pattern	[a-zA-Z0-9]+([a-zA-Z0-9]+)*	
Used by	Complex Type	categoryOfRxNType	

Attribute rxNCode_categoryOfRxNType / @code

Namespace	No namespace		
Type	rxNCode_categoryOfRxNCode		
Properties	use: required		
Facets	enumeration	1	The process of directing the movement of a craft from one point to another.
	enumeration	2	Transmitting and/or receiving electronic communication signals.
	enumeration	3	Pertaining to environmental protection.
	enumeration	4	Pertaining to wildlife protection.
	enumeration	5	Pertaining to security.
	enumeration	6	The agency or establishment for collecting duties, tolls.
	enumeration	7	Pertaining to cargo operations.
	enumeration	8	Pertaining to a place of safety or refuge.
	enumeration	9	The authority with responsibility for checking the validity of the health declaration of a vessel and for declaring free pratique.
	enumeration	10	Pertaining to natural resources or exploitation.
	enumeration	11	Person or corporation, owners of, or entrusted with or invested with the power of managing a port. May be called a Harbour Board, Port Trust, Port Commission, Harbour Commission, Marine Department.
	enumeration	12	An authority with responsibility for the control and movement of money.
	enumeration	13	The science, art, or practice of cultivating the soil, producing crops, and raising livestock and in varying degrees the preparation and marketing of the resulting products.
Used by	Complex Type	rxNCode_categoryOfRxNType	

Attribute categoryOfVesselType / @code

Namespace	No namespace		
Type	categoryOfVesselCode		
Properties	use: optional		

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

Attribute categoryOfVesselType / @codelistType

Namespace	No namespace		
Type	codelistTypeType		
Properties	fixed: openEnumeration		
Facets	enumeration	openEnumeration	Open enumeration
	enumeration	openDictionary	Open dictionary
	enumeration	closedDictionary	Closed Dictionary
Used by	Complex Type	categoryOfVesselType	

Attribute categoryOfVesselType / @otherValue

Namespace	No namespace		
Annotations	Only if an "extra" value is encoded		
Type	extraValueType		
Properties	content: simple		
Facets	pattern	[a-zA-Z0-9]+([a-zA-Z0-9]+)*	

Used by	Complex Type	categoryOfVesselType
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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	

Attribute **securitySafetyEmergencyServiceType / @code**

Namespace	No namespace		
Type	securitySafetyEmergencyServiceCode		
Properties	use: optional		
Facets	enumeration	1	Organization keeping watch on shipping and coastal waters according to governmental law; normally the authority with responsibility for search and rescue.
	enumeration	2	The agency or establishment for collecting duties, tolls.
	enumeration	3	Office for reporting or obtaining information about sudden dangers to the environment such as spillage of polluting or hazardous substances.

	enumeration	4	An office or organisation for reporting or coordinating response to emergencies.
	enumeration	5	A place where a vessel is patrolled by a security service or stored in a secure lockup.
	enumeration	6	The authority controlling people entering a country.
	enumeration	7	The department of government, or civil force, charged with maintaining public order.
	enumeration	8	A unit responsible for promoting efficient organization of search and rescue services and for coordinating the conduct of search and rescue operations within a search and rescue region.
Used by	Complex Type	securitySafetyEmergencyServiceType	

Attribute **securitySafetyEmergencyServiceType** / @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	securitySafetyEmergencyServiceType	

Attribute **securitySafetyEmergencyServiceType** / @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	securitySafetyEmergencyServiceType	

Attribute **AvailablePortServices_securitySafetyEmergencyServiceType** / @code

Namespace	No namespace		
Type	AvailablePortServices_securitySafetyEmergencyServiceCode		
Properties	use: optional		
Facets	enumeration	1	Organization keeping watch on shipping and coastal waters according to governmental law; normally the authority with responsibility for search and rescue.
	enumeration	2	The agency or establishment for collecting duties, tolls.
	enumeration	3	Office for reporting or obtaining information about sudden dangers to the environment such as spillage of polluting or hazardous substances.
	enumeration	4	An office or organisation for reporting or coordinating response to emergencies.
	enumeration	5	A place where a vessel is patrolled by a security service or stored in a secure lockup.
	enumeration	6	The authority controlling people entering a country.
	enumeration	7	The department of government, or civil force, charged with maintaining public order.
	enumeration	8	A unit responsible for promoting efficient organization of search and rescue services

		and for coordinating the conduct of search and rescue operations within a search and rescue region.
Used by	Complex Type	AvailablePortServices_securitySafetyEmergencyServiceType

Attribute **transportConnectionType / @code**

Namespace	No namespace		
Type	transportConnectionCode		
Properties	use: optional		
Facets	enumeration	2	A small airport for the use of helicopters and some other vertical lift aircraft. Heliports typically contain one or more touchdown and liftoff areas and also have facilities such as fuel or hangars. In some larger towns and cities, customs facilities may also be available.
	enumeration	3	A small landing surface for helicopters, with minimal or no supporting installations or facilities.
	enumeration	4	Small boat with crew that may be hired for single journeys.
	enumeration	5	A building where buses and coaches regularly stop to take on and/or let off passengers, especially for long-distance travel.
	enumeration	6	A vessel for transporting passengers, vehicles, and/or goods across a stretch of water, especially as a regular service.
	enumeration	8	A limited access dual carriageway road specially designed for fast long-distance traffic and subject to special regulations concerning its use. It may have more than two lanes.
	enumeration	9	Large open or half decked boat.
	enumeration	11	The carriage of goods or passengers using navigable waterways such as canals, rivers, lakes, or other stretch of water that is not part of the sea.
	enumeration	12	The carriage of specified types of cargo between qualifying ports. The types of cargo and/or qualifying ports are generally specified by law or government regulation.
	enumeration	13	Specially designated commercially navigable routes in coastal, inland, and intracoastal waters, frequently as waterborne relievers to congested landside routes.
Used by	Complex Type	transportConnectionType	

Attribute **transportConnectionType / @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	transportConnectionType	

Attribute **transportConnectionType / @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	transportConnectionType

Attribute AvailablePortServices_transportConnectionType / @code

Namespace	No namespace		
Type	AvailablePortServices_transportConnectionCode		
Properties	use: optional		
Facets	enumeration	2	A small airport for the use of helicopters and some other vertical lift aircraft. Heliports typically contain one or more touchdown and liftoff areas and also have facilities such as fuel or hangars. In some larger towns and cities, customs facilities may also be available.
	enumeration	3	A small landing surface for helicopters, with minimal or no supporting installations or facilities.
	enumeration	4	Small boat with crew that may be hired for single journeys.
	enumeration	5	A building where buses and coaches regularly stop to take on and/or let off passengers, especially for long-distance travel.
	enumeration	6	A vessel for transporting passengers, vehicles, and/or goods across a stretch of water, especially as a regular service.
	enumeration	8	A limited access dual carriageway road specially designed for fast long-distance traffic and subject to special regulations concerning its use. It may have more than two lanes.
	enumeration	9	Large open or half decked boat.
	enumeration	11	The carriage of goods or passengers using navigable waterways such as canals, rivers, lakes, or other stretch of water that is not part of the sea.
	enumeration	12	The carriage of specified types of cargo between qualifying ports. The types of cargo and/or qualifying ports are generally specified by law or government regulation.
	enumeration	13	Specially designated commercially navigable routes in coastal, inland, and intracoastal waters, frequently as waterborne relievers to congested landside routes.
Used by	Complex Type	AvailablePortServices_transportConnectionType	

Attribute orientationType / orientationValue / @nilReason

Namespace	No namespace	
Type	gml:NilReasonEnumeration	
Properties	use: optional	
Used by	Element	orientationType/orientationValue

Attribute constructionInformationType / development / @nilReason

Namespace	No namespace	
Type	gml:NilReasonEnumeration	
Properties	use: optional	
Used by	Element	constructionInformationType/development

Attribute depthsDescriptionType / categoryOfDepthsDescription / @nilReason

Namespace	No namespace
Type	gml:NilReasonEnumeration
Properties	use: optional
Used by	Element depthsDescriptionType/categoryOfDepthsDescription

Attribute frequencyPairType / frequencyShoreStationTransmits / @nilReason

Namespace	No namespace
Type	gml:NilReasonEnumeration
Properties	use: optional
Used by	Element frequencyPairType/frequencyShoreStationTransmits

Attribute horizontalPositionUncertaintyType / uncertaintyFixed / @nilReason

Namespace	No namespace
Type	gml:NilReasonEnumeration
Properties	use: optional
Used by	Element horizontalPositionUncertaintyType/uncertaintyFixed

Attribute verticalUncertaintyType / uncertaintyFixed / @nilReason

Namespace	No namespace
Type	gml:NilReasonEnumeration
Properties	use: optional
Used by	Element verticalUncertaintyType/uncertaintyFixed

Attribute surveyDateRangeType / dateEnd / @nilReason

Namespace	No namespace
Type	gml:NilReasonEnumeration
Properties	use: optional
Used by	Element surveyDateRangeType/dateEnd

Attribute telecommunicationsType / telecommunicationIdentifier / @nilReason

Namespace	No namespace
Type	gml:NilReasonEnumeration
Properties	use: optional
Used by	Element telecommunicationsType/telecommunicationIdentifier

Attribute vesselMeasurementsSpecificationType / vesselsCharacteristicsUnit / @nilReason

Namespace	No namespace
Type	gml:NilReasonEnumeration
Properties	use: optional
Used by	Element vesselMeasurementsSpecificationType/vesselsCharacteristicsUnit

Attribute AuthorityType / categoryOfAuthority / @nilReason

Namespace	No namespace
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Type	gml:NilReasonEnumeration	
Properties	use:	optional
Used by	Element	AuthorityType/categoryOfAuthority

Attribute BerthType / uNLocationCode / @nilReason

Namespace	No namespace	
Type	gml:NilReasonEnumeration	
Properties	use:	optional
Used by	Element	BerthType/uNLocationCode

Attribute DolphinType / categoryOfDolphin / @nilReason

Namespace	No namespace	
Type	gml:NilReasonEnumeration	
Properties	use:	optional
Used by	Element	DolphinType/categoryOfDolphin

Attribute MooringWarpingFacilityType / iDCode / @nilReason

Namespace	No namespace	
Type	gml:NilReasonEnumeration	
Properties	use:	optional
Used by	Element	MooringWarpingFacilityType/iDCode

Attribute DataCoverageType / minimumDisplayScale / @nilReason

Namespace	No namespace	
Type	gml:NilReasonEnumeration	
Properties	use:	optional
Used by	Element	DataCoverageType/minimumDisplayScale