

**IALA S-211**

**Product Specification**

**Draft 1.0.0 – 28 March 2019**

IALA Port Call Message Product Specification

Annex D

Feature Catalogue

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# 1 Catalogue header information

Name: Port Call Message Format  
Scope: This Catalogue is intended to carry all data elements that may be found in a Port Call Message.  
Field of Application: Port Call Message datasets are produced to allow the producer to exchange port call information with interested stakeholders.  
Version Number: 1.0.0  
Version date: 2019-03-28

Producer information:  
Individual name:   
Organisation name: IALA-AISM  
Phone:

| **Number** | **Number type** |
| --- | --- |
| +33 1 34 51 70 01 | voice |
| +33 1 34 51 70 01 | voice |
| +33 1 34 51 82 05 | fax |

Address:

| **Delivery point** | **City** | **Administrative area** | **Postal code** | **Country** | **Email address** |
| --- | --- | --- | --- | --- | --- |
| 10, rue des Gaudines | Saint Germain en Laye |  | 78100 | France |  |

Online resource information:   
Hours of Service:   
Contact Instructions:   
Position Name:   
Role: owner  
Classification: unclassified

# 2 Definition Sources

No definition sources in catalogue

# 3 Simple Attributes

## 3.1 Location Maritime Resource Name

Name: Location Maritime Resource Name  
Definition: 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  
Code: 'locationMRN'  
Remarks:   
Aliases: (none)  
Value Type: URN

## 3.2 Comment

Name: Comment  
Definition: Comment regarding an entity obvious from context  
Code: 'comment'  
Remarks: Please note that since the encoding is UTF-8, this means a maximum of 800 bytes in this field.  
Aliases: (none)  
Value Type: text

Constraints

| **string Length** | **text Pattern** | **range** | **precision** |
| --- | --- | --- | --- |
| 200 | (none) | (not specified) | (not specified) |

For real values, precision is the number of digits after the decimal point.

## 3.3 Terminal

Name: Terminal  
Definition: TBD  
Code: 'terminal'  
Remarks:   
Aliases: (none)  
Value Type: URN

## 3.4 incoming voyage

Name: incoming voyage  
Definition: TBD  
Code: 'incomingVoyage'  
Remarks:   
Aliases: (none)  
Value Type: URN

## 3.5 outgoing voyage

Name: outgoing voyage  
Definition: TBD  
Code: 'outgoingVoyage'  
Remarks:   
Aliases: (none)  
Value Type: URN

## 3.6 extension vendor

Name: extension vendor  
Definition: TBD  
Code: 'extensionVendor'  
Remarks:   
Aliases: (none)  
Value Type: URN

## 3.7 schema namespace

Name: schema namespace  
Definition: TBD  
Code: 'schemaNamespace'  
Remarks:   
Aliases: (none)  
Value Type: URN

## 3.8 Port call ID

Name: Port call ID  
Definition: Port call identifier, based on MRN. First element of the NSS should be the 5 character UN/Locode of the port  
Code: 'portCallId'  
Remarks:   
Aliases: (none)  
Value Type: URN

Constraints

| **string Length** | **text Pattern** | **range** | **precision** |
| --- | --- | --- | --- |
| 120 | (none) | (not specified) | (not specified) |

For real values, precision is the number of digits after the decimal point.

## 3.9 Port code

Name: Port code  
Definition: portCode is the UN/Locode of the port this message is pertaining to  
Code: 'portCode'  
Remarks:   
Aliases: (none)  
Value Type: URN

## 3.10 Vessel ID

Name: Vessel ID  
Definition: Vessel identifier, based on MRN. Can be either IMO or MMSI based  
Code: 'vesselId'  
Remarks:   
Aliases: (none)  
Value Type: URN

## 3.11 Message ID

Name: Message ID  
Definition: Port call message identifier, based on MRN and UUID.  
Code: 'messageId'  
Remarks: must be 64 characters  
Aliases: (none)  
Value Type: URN

Constraints

| **string Length** | **text Pattern** | **range** | **precision** |
| --- | --- | --- | --- |
| 64 | (none) | (not specified) | (not specified) |

For real values, precision is the number of digits after the decimal point.

## 3.12 Local Port Call ID

Name: Local Port Call ID  
Definition: Local Port call identifier, based on MRN. First element of the NSS should be the UN/Locode of the port, second element is a data source id and the third is the port call id of the data source external system.  
Code: 'localPortCallId'  
Remarks:   
Aliases: (none)  
Value Type: URN

Constraints

| **string Length** | **text Pattern** | **range** | **precision** |
| --- | --- | --- | --- |
| 120 | (none) | (not specified) | (not specified) |

For real values, precision is the number of digits after the decimal point.

## 3.13 local Job ID

Name: local Job ID  
Definition: Port call identifier, based on MRN. First element of the NSS should be the UN/Locode of the port  
Code: 'localJobId'  
Remarks:   
Aliases: (none)  
Value Type: URN

Constraints

| **string Length** | **text Pattern** | **range** | **precision** |
| --- | --- | --- | --- |
| 120 | (none) | (not specified) | (not specified) |

For real values, precision is the number of digits after the decimal point.

## 3.14 Reported At

Name: Reported At  
Definition: Time when a time stamp was reported  
Code: 'reportedAt'  
Remarks:   
Aliases: (none)  
Value Type: dateTime

## 3.15 Reported By

Name: Reported By  
Definition: Entity that reported a time stamp  
Code: 'reportedBy'  
Remarks:   
Aliases: (none)  
Value Type: text

## 3.16 File locator

Name: File locator  
Definition: An XML format string that is intended as an extension of a main schema.  
Code: 'XMLExtension'  
Remarks:   
Aliases: (none)  
Value Type: text

## 3.17 Category of Message Operation

Name: Category of Message Operation  
Definition: Operation to be performed on port call message  
Code: 'messageOperationName'  
Remarks:   
Aliases: (none)  
Value Type: enumeration

Listed Values

| **Label** | **Definition** | **Code** | **Remarks** |
| --- | --- | --- | --- |
| 'WITHDRAW' Aliases: (none) | The action to withdraw a time stamp (Used when a time stamp has been reported incorrectly ). | 1 |  |

## 3.18 Effective Time

Name: Effective Time  
Definition: The instant at which the information or condition becomes effective.  
Code: 'effectiveTime'  
Remarks:   
Aliases: (none)  
Value Type: dateTime

## 3.19 Location Reference Object

Name: Location Reference Object  
Definition: The entity that the time stamp concerns that changes location upon a timestamp of a location state  
Code: 'locationReferenceObject'  
Remarks: codeListType=open enumeration; encoding=other: [something]  
Aliases: (none)  
Value Type: S100\_CodeList

Listed Values

| **Label** | **Definition** | **Code** | **Remarks** |
| --- | --- | --- | --- |
| 'AGENT' Aliases: (none) | The reference object of the agent (as the representative of the shipping company) as arriving to or departing from a particular location | 1 |  |
| 'BUNKER\_VESSEL' Aliases: (none) | The reference object of the bunkering vessel (as the vessel carrying bunker and performing bunkering operations) as arriving to or departing from a particular location | 2 |  |
| 'ESCORT\_TUG' Aliases: (none) | The reference object of the escort tug boat (as the conductor of escort tug operations) as arriving to or departing from a particular location | 3 |  |
| 'FRESH\_WATER\_VESSEL' Aliases: (none) | The reference object of the fresh water vessel (as the vessel carrying water and performing water operations) as arriving to or departing from a particular location | 4 |  |
| 'GANGWAY' Aliases: (none) | The reference object of the gangway (the gangway as being used for entering / departing to/from the vessel) as being arrived and/or departed | 5 |  |
| 'ICEBREAKER' Aliases: (none) | The reference object of the ice breaker (as the conductor of ice breaking operations) as arriving to or departing from a particular location | 6 |  |
| 'MOORER' Aliases: (none) | The reference object of the moorer (as the conductor of mooring and/or unmooring operations) as arriving to or departing from a particular location | 7 |  |
| 'PASSENGER' Aliases: (none) | The reference object of the passenger (as the person(s) being transported by the vessel) as arriving to or departing from a particular location | 8 |  |
| 'PILOT' Aliases: (none) | The reference object of the pilot (as the conductor of pilotage operations) as arriving to or departing from a particular location | 9 |  |
| 'PILOT\_BOAT' Aliases: (none) | The reference object of the pilot boat (as the transport boat for pilots being brought to/from ships before / after pilotage) as being arrived and/or departed | 10 |  |
| 'PONTOONS\_AND\_FENDERS' Aliases: (none) | The reference object of pontoons and fenders (as the necessary equipment for making a berth being brought to/from the berth) as being arrived and/or departed | 11 |  |
| 'SECURITY' Aliases: (none) | The reference object of security (as the conductor of security operations) as arriving to or departing from a particular location | 12 |  |
| 'SLOP\_VESSEL' Aliases: (none) | The reference object of the slop vessel (as the conductor of slop operations) as arriving to or departing from a particular location | 13 |  |
| 'SLUDGE\_VESSEL' Aliases: (none) | The reference object of the sludge vessel (as the conductor of sludge operations) as arriving to or departing from a particular location | 14 |  |
| 'SURVEYOR' Aliases: (none) | The reference object of the surveyor (as the conductor of inspection, pre- and port cargo survey operations) as being arrived and/or departed | 15 |  |
| 'TUG' Aliases: (none) | The reference object of the tug boat (as the conductor of towage) as arriving to or departing from a particular location | 16 |  |
| 'VESSEL' Aliases: (none) | The reference object of the vessel itself (as the conductor of the port visit to realize the purpose of call) as arriving to or departing from a particular location | 17 |  |

## 3.20 Window After

Name: Window After  
Definition: Time offset, after a given time.   
Code: 'windowAfter'  
Remarks: Format of (positive) hours and minutes (HH:MM)  
Aliases: (none)  
Value Type: text

## 3.21 Window Before

Name: Window Before  
Definition: Time offset, before a given time.   
Code: 'windowBefore'  
Remarks: Format of (positive) hours and minutes (HH:MM)  
Aliases: (none)  
Value Type: text

## 3.22 Time Sequence

Name: Time Sequence  
Definition: The component of a state (as location, service, administrative state) regulating the communicative intent of the state (such as arrived, departed, commenced, completed, requested, request received, confirmed, denied, cancelled)  
Code: 'timeSequence'  
Remarks:   
Aliases: (none)  
Value Type: enumeration

Listed Values

| **Label** | **Definition** | **Code** | **Remarks** |
| --- | --- | --- | --- |
| 'CANCELLED' Aliases: (none) | The time sequence (of an administrative state) to cancel a service [service object] by performing actor | 1 |  |
| 'CONFIRMED' Aliases: (none) | The time sequence (of an administrative state) to confirm a service [service object] by performing actor | 2 |  |
| 'DENIED' Aliases: (none) | The time sequence (of an administrative state) to deny a service [service object] by performing actor | 3 |  |
| 'REQUESTED' Aliases: (none) | The time sequence (of an administrative state) to request a service [service object] by the client | 4 |  |
| 'REQUEST\_RECEIVED' Aliases: (none) | The time sequence (of an administrative state) to tell that the request of a service [service object] has been received by performing actor | 5 |  |
| 'COMMENCED' Aliases: (none) | The time sequence (of a service state) to tell that the service delivery is planned to / has been initiated | 6 |  |
| 'COMPLETED' Aliases: (none) | The time sequence (of a service state) to tell that the service delivery is planned to / has been concluded | 7 |  |
| 'ARRIVAL\_TO' Aliases: (none) | The time sequence (of a location state) to tell that a reference object is planned to / has arrived to a particular location | 8 |  |
| 'DEPARTURE\_FROM' Aliases: (none) | The time sequence (of a location state) to tell that a reference object is planned to / has departed from a particular location | 9 |  |

## 3.23 Time Type

Name: Time Type  
Definition: The time dimension of a time stamp combined with the state expressing intentions, recommendations or outcomes   
Code: 'timeType'  
Remarks:   
Aliases: (none)  
Value Type: enumeration

Listed Values

| **Label** | **Definition** | **Code** | **Remarks** |
| --- | --- | --- | --- |
| 'ESTIMATED' Aliases: (none) | The time type for expressing assessed time of occurrence | 1 |  |
| 'ACTUAL' Aliases: (none) | The timetype for expressing the actual time of occurrence | 2 |  |
| 'PLANNED' Aliases: (none) | The timetype for expressing planned time of occurrence | 3 |  |
| 'RECOMMENDED' Aliases: (none) | The timetype for expressing recommended time of occurrence | 4 |  |
| 'REQUIRED' Aliases: (none) | TBD | 5 |  |

## 3.24 Performing Actor

Name: Performing Actor  
Definition: The actor performing action related to the service referenced in service object   
Code: 'performingActor'  
Remarks:   
Aliases: (none)  
Value Type: URN

## 3.25 Service Object

Name: Service Object  
Definition: The reference to a particular service in service state and administration state messages  
Code: 'serviceObject'  
Remarks: codeListType=open enumeration; encoding=other: [something]  
Aliases: (none)  
Value Type: S100\_CodeList

Listed Values

| **Label** | **Definition** | **Code** | **Remarks** |
| --- | --- | --- | --- |
| 'ANCHORING' Aliases: (none) | The service object of anchoring (from when the vessel has dropped anchor, until anchor away) as being commenced and/or completed | 1 |  |
| 'ARRIVAL\_ANCHORING\_OPERATION' Aliases: (none) | The service object of arrival anchoring operations (From preparing until the anchor is dropped) as being commenced and/or completed | 2 |  |
| 'ARRIVAL\_BERTH' Aliases: (none) | The service object of arrival berth (preparing and tying the vessel until it is all fast) as being commenced and/or completed | 3 |  |
| 'ARRIVAL\_PORTAREA' Aliases: (none) | The service object of arrival port area (passing the port area limit when arriving to the port) as being commenced and/or completed | 4 |  |
| 'ARRIVAL\_VTSAREA' Aliases: (none) | The service object of arrival VTS area (passing the VTS area limit when arriving to the VTS area) as being commenced and/or completed | 5 |  |
| 'BERTH\_SHIFTING' Aliases: (none) | The service object of berth shifting (initiating and conducting a berth shift) as being commenced and/or completed | 6 |  |
| 'BERTH\_VISIT' Aliases: (none) | The service object of berth visit (initiating and conducting a berth visit) as being commenced and/or completed | 7 |  |
| 'BUNKERING\_OPERATION' Aliases: (none) | The service object of bunkering operations (initiating and conducting bunkering) as being commenced and/or completed | 8 |  |
| 'CARGO\_OPERATION' Aliases: (none) | The service object of cargo operations (initiating and conducting cargo operations) as being commenced and/or completed | 9 |  |
| 'CARGO\_SURVEY' Aliases: (none) | The service object of cargo survey (initiating and conducting cargo survey) as being commenced and/or completed | 10 |  |
| 'DEPARTURE\_ANCHORING\_OPERATION' Aliases: (none) | The service object of departure anchoring operations (the process of preparing anchor away until the vessel is ready to steam) as being commenced and/or completed | 11 |  |
| 'DEPARTURE\_BERTH' Aliases: (none) | The service object of departure berth (preparing and releasing the vessel until it is all loose) as being commenced and/or completed | 12 |  |
| 'DEPARTURE\_PORTAREA' Aliases: (none) | The service object of departure port area (passing the port area limit when leaving the port) as being commenced and/or completed | 13 |  |
| 'DEPARTURE\_VTSAREA' Aliases: (none) | The service object of departure VTS area (passing the VTS area limit when leaving from the VTS area) as being commenced and/or completed | 14 |  |
| 'EMBARKING' Aliases: (none) | The service object of embarking from the ship (preparing and embark passenger to the vessel) as being commenced and/or completed | 15 |  |
| 'ESCORT\_TOWAGE' Aliases: (none) | The service object of escort towage (initiating and conducting escort towage) as being commenced and/or completed | 16 |  |
| 'FORKLIFT' Aliases: (none) | The service object of forklift operations (initiating and conducting the movement of the forklift) as being commenced and/or completed | 17 |  |
| 'GANGWAY\_OPERATION' Aliases: (none) | The service object of the gangway operations (initiating and conducting the movement of the gangway with the endstate as being ready for use) as being commenced and/or completed | 18 |  |
| 'GARBAGE\_OPERATION' Aliases: (none) | The service object of garbage operations (initiating and conducting garbage operations) as being commenced and/or completed | 19 |  |
| 'ICEBREAKING\_OPERATION' Aliases: (none) | The service object of ice breaking operations (initiating and conducting ice breaking operations) as being commenced and/or completed | 20 |  |
| 'INSPECTION' Aliases: (none) | The service object of inspections (initiating and conducting inspection of cargo) as being commenced and/or completed | 21 |  |
| 'LOADING\_OPERATION' Aliases: (none) | The service object of loading operations (initiating and conducting loading operations) as being commenced and/or completed | 22 |  |
| 'LUBEOIL\_OPERATION' Aliases: (none) | The service object of lubeoil operations (initiating and conducting lubeoil operations) as being commenced and/or completed | 23 |  |
| 'MOORING\_OPERATION' Aliases: (none) | The service object of mooring operations (initiating and conducting arrival mooring operations) as being commenced and/or completed | 24 |  |
| 'PILOT\_BOAT\_OPERATION' Aliases: (none) | The service object of pilot boat operations (initiating and conducting movement of the pilot boat from point A to point B) as being commenced and/or completed | 25 |  |
| 'PILOTAGE' Aliases: (none) | The service object of pilotage (initiating and conducting pilot operations) as being commenced and/or completed | 26 |  |
| 'PONTOONS\_AND\_FENDERS\_OPERATION' Aliases: (none) | The service object of pontoons and fenders operation (initiating and delivering pontoons and fenders ready to be used) as being commenced and/or completed | 27 |  |
| 'PORT\_VISIT' Aliases: (none) | The service object of port visit (initiating and conducting the port visit according to the purpose of call) as being commenced and/or completed | 28 |  |
| 'POSTCARGOSURVEY' Aliases: (none) | The service object of post cargo survey (initiating and conducting survey of the cargo after cargo operations has been performed) as being commenced and/or completed | 29 |  |
| 'PRECARGOSURVEY' Aliases: (none) | The service object of pre-cargo survey (initiating and conducting survey of the cargo prior cargo operations) as being commenced and/or completed | 30 |  |
| 'PROVISION\_OPERATION' Aliases: (none) | The service object of provision operations (initiating and conducting provision operations) as being commenced and/or completed | 31 |  |
| 'READYTOSAIL\_OPERATION' Aliases: (none) | The service object of ready to sail operations (initiating and preparing the vessel to be ready to sail) as being commenced and/or completed | 32 |  |
| 'SECURITY\_OPERATION' Aliases: (none) | The service object of security operations (initiating and conducting security operations upon vessel's berth visit) as being commenced and/or completed | 33 |  |
| 'SLOP\_OPERATION' Aliases: (none) | The service object of slop operations (initiating and conducting slop operations) as being commenced and/or completed | 34 |  |
| 'SLUDGE\_OPERATION' Aliases: (none) | The service object of sludge operations (initiating and conducting sludge operations) as being commenced and/or completed | 35 |  |
| 'TOURS' Aliases: (none) | The service object of tours (initiating and conducting of tours for cruise passengers) as being commenced and/or completed | 36 |  |
| 'TOWAGE' Aliases: (none) | The service object of towage (initiating and conducting tug operations) as being commenced and/or completed | 37 |  |
| 'UNLOADING\_OPERATION' Aliases: (none) | The service object of unloading operations (initiating and conducting unloading operations) as being commenced and/or completed | 38 |  |
| 'UNMOORING\_OPERATION' Aliases: (none) | The service object of unmooring operations (initiating and conducting departure mooring operations) as being commenced and/or completed | 39 |  |
| 'WATER\_OPERATION' Aliases: (none) | The service object of water operations (initiating and conducting water being brought to the vessel) as being commenced and/or completed | 40 |  |
| 'CRANE\_OPERATION' Aliases: (none) | TBD | 41 |  |
| 'RAMP\_OPERATION' Aliases: (none) | TBD | 42 |  |

# 4 Complex Attributes

## 4.1 From location

Name: From location  
Definition: The departure location  
Code: 'fromLocation'  
Remarks:   
Aliases: (none)

Sub-Attributes

| **Sub-attribute** | **Type** | **Mult.** | **Permitted Values** | **sequential** |
| --- | --- | --- | --- | --- |
| locationMRN | URN | 1..1 |  | false |
| terminal | URN | 0..1 |  | false |

## 4.2 To location

Name: To location  
Definition: The arrival location  
Code: 'toLocation'  
Remarks:   
Aliases: (none)

Sub-Attributes

| **Sub-attribute** | **Type** | **Mult.** | **Permitted Values** | **sequential** |
| --- | --- | --- | --- | --- |
| locationMRN | URN | 1..1 |  | false |
| terminal | URN | 0..1 |  | false |

## 4.3 At Location

Name: At Location  
Definition: The location where a stationary service is performed  
Code: 'atLocation'  
Remarks:   
Aliases: (none)

Sub-Attributes

| **Sub-attribute** | **Type** | **Mult.** | **Permitted Values** | **sequential** |
| --- | --- | --- | --- | --- |
| locationMRN | URN | 1..1 |  | false |
| terminal | URN | 0..1 |  | false |

## 4.4 Vendor Extension

Name: Vendor Extension  
Definition: TBD  
Code: 'vendorExtension'  
Remarks:   
Aliases: (none)

Sub-Attributes

| **Sub-attribute** | **Type** | **Mult.** | **Permitted Values** | **sequential** |
| --- | --- | --- | --- | --- |
| extensionVendor | URN | 1..1 |  | false |
| schemaNamespace | URN | 1..1 |  | false |
| XMLExtension | text | 1..1 |  | false |

## 4.5 Between locations

Name: Between locations  
Definition: The two locations between which a nautical service is performed  
Code: 'betweenLocations'  
Remarks:   
Aliases: (none)

Sub-Attributes

| **Sub-attribute** | **Type** | **Mult.** | **Permitted Values** | **sequential** |
| --- | --- | --- | --- | --- |
| fromLocation | complex | 1..1 |  | false |
| toLocation | complex | 1..1 |  | false |

## 4.6 Location State

Name: Location State  
Definition: Describes a time related data point for an arrival to or departure from a specified location.   
Code: 'locationState'  
Remarks:   
Aliases: (none)

Sub-Attributes

| **Sub-attribute** | **Type** | **Mult.** | **Permitted Values** | **sequential** |
| --- | --- | --- | --- | --- |
| locationReferenceObject | S100\_CodeList | 1..1 | 1: AGENT 2: BUNKER\_VESSEL 3: ESCORT\_TUG 4: FRESH\_WATER\_VESSEL 5: GANGWAY 6: ICEBREAKER 7: MOORER 8: PASSENGER 9: PILOT 10: PILOT\_BOAT 11: PONTOONS\_AND\_FENDERS 12: SECURITY 13: SLOP\_VESSEL 14: SLUDGE\_VESSEL 15: SURVEYOR 16: TUG 17: VESSEL | false |
| effectiveTime | dateTime | 1..1 |  | false |
| timeSequence | enumeration | 1..1 | 8: ARRIVAL\_TO 9: DEPARTURE\_FROM | false |
| timeType | enumeration | 1..1 | 1: ESTIMATED 2: ACTUAL 3: PLANNED 4: RECOMMENDED 5: REQUIRED | false |
| windowAfter | text | 0..1 |  | false |
| windowBefore | text | 0..1 |  | false |
| fromLocation | complex | 0..1 |  | false |
| toLocation | complex | 0..1 |  | false |

## 4.7 Message Operation

Name: Message Operation  
Definition: Administrative operations on previously sent messages. This can be used to flag a previous message as withdrawn, to allow for correction of errors in previous messages  
Code: 'messageOperation'  
Remarks:   
Aliases: (none)

Sub-Attributes

| **Sub-attribute** | **Type** | **Mult.** | **Permitted Values** | **sequential** |
| --- | --- | --- | --- | --- |
| messageOperationName | enumeration | 1..1 | 1: WITHDRAW | false |
| messageId | URN | 1..1 |  | false |

## 4.8 Service State

Name: Service State  
Definition: Describes a time related data point for a service.  
Code: 'serviceState'  
Remarks:   
Aliases: (none)

Sub-Attributes

| **Sub-attribute** | **Type** | **Mult.** | **Permitted Values** | **sequential** |
| --- | --- | --- | --- | --- |
| performingActor | URN | 0..1 |  | false |
| serviceObject | S100\_CodeList | 1..1 | 1: ANCHORING 2: ARRIVAL\_ANCHORING\_OPERATION 3: ARRIVAL\_BERTH 4: ARRIVAL\_PORTAREA 5: ARRIVAL\_VTSAREA 6: BERTH\_SHIFTING 7: BERTH\_VISIT 8: BUNKERING\_OPERATION 9: CARGO\_OPERATION 10: CARGO\_SURVEY 11: DEPARTURE\_ANCHORING\_OPERATION 12: DEPARTURE\_BERTH 13: DEPARTURE\_PORTAREA 14: DEPARTURE\_VTSAREA 15: EMBARKING 16: ESCORT\_TOWAGE 17: FORKLIFT 18: GANGWAY\_OPERATION 19: GARBAGE\_OPERATION 20: ICEBREAKING\_OPERATION 21: INSPECTION 22: LOADING\_OPERATION 23: LUBEOIL\_OPERATION 24: MOORING\_OPERATION 25: PILOT\_BOAT\_OPERATION 26: PILOTAGE 27: PONTOONS\_AND\_FENDERS\_OPERATION 28: PORT\_VISIT 29: POSTCARGOSURVEY 30: PRECARGOSURVEY 31: PROVISION\_OPERATION 32: READYTOSAIL\_OPERATION 33: SECURITY\_OPERATION 34: SLOP\_OPERATION 35: SLUDGE\_OPERATION 36: TOURS 37: TOWAGE 38: UNLOADING\_OPERATION 39: UNMOORING\_OPERATION 40: WATER\_OPERATION 41: CRANE\_OPERATION 42: RAMP\_OPERATION | false |
| effectiveTime | dateTime | 1..1 |  | false |
| timeSequence | enumeration | 1..1 | 6: COMMENCED 7: COMPLETED | false |
| timeType | enumeration | 1..1 | 1: ESTIMATED 2: ACTUAL 3: PLANNED 4: RECOMMENDED 5: REQUIRED | false |
| windowAfter | text | 0..1 |  | false |
| windowBefore | text | 0..1 |  | false |
| betweenLocations | complex | 0..1 |  | false |
| atLocation | complex | 0..1 |  | false |

## 4.9 Administration State

Name: Administration State  
Definition: Describes a time related data point for a service administration event, such as a request made, received, confirmed or denied.  
Code: 'administrationState'  
Remarks:   
Aliases: (none)

Sub-Attributes

| **Sub-attribute** | **Type** | **Mult.** | **Permitted Values** | **sequential** |
| --- | --- | --- | --- | --- |
| performingActor | URN | 0..1 |  | false |
| effectiveTime | dateTime | 1..1 |  | false |
| timeSequence | enumeration | 1..1 | 1: CANCELLED 2: CONFIRMED 3: DENIED 4: REQUESTED 5: REQUEST\_RECEIVED | false |
| windowAfter | text | 0..1 |  | false |
| windowBefore | text | 0..1 |  | false |
| betweenLocations | complex | 0..1 |  | false |
| atLocation | complex | 0..1 |  | false |

# 5 Roles

No roles defined in catalogue

# 6 Information Associations

No Information Associations defined in catalogue

# 7 Feature Associations

No Feature Associations defined in catalogue

# 8 Information Types

No Information Types defined in catalogue

# 9 Feature Types

## 9.1 Port Call Message

Name: Port Call Message  
Definition: A message for communicating all relevant port call information between ship and port, ship to ship, or shore authorities  
Code: 'PortCallMessage'  
Remarks:   
Aliases: (none)  
Feature use type: geographic  
Permitted primitives: noGeometry

Attribute Bindings

| **Attribute** | **Type** | **Mult.** | **Permitted Values** | **Sequential** |
| --- | --- | --- | --- | --- |
| comment | text | 0..1 |  | false |
| localJobId | URN | 0..1 |  | false |
| localPortCallId | URN | 0..1 |  | false |
| messageId | URN | 0..1 |  | false |
| portCallId | URN | 0..1 |  | false |
| portCode | URN | 0..1 |  | false |
| reportedAt | dateTime | 0..1 |  | false |
| reportedBy | text | 0..1 |  | false |
| vesselId | URN | 0..1 |  | false |
| incomingVoyage | URN | 0..1 |  | false |
| outgoingVoyage | URN | 0..1 |  | false |
| serviceState | complex | 0..1 |  | false |
| locationState | complex | 0..1 |  | false |
| administrationState | complex | 0..1 |  | false |
| messageOperation | complex | 0..1 |  | false |
| vendorExtension | complex | 0..1 |  | false |

Information bindings

(Bindings are also inherited from super-types, if any.)

(No local bindings, but may inherit bindings from super-types, if any)

Feature bindings

(Bindings are also inherited from super-types, if any.)

(No local bindings, but will inherit super-type bindings if any)