API Reference

OIAP

Open Info API para Puertos

This file contains all the APIs developed for the `Open Info API para Puertos` project within the initiative Ports 4.0 from Puertos del Estado (ES).

CONTACT

NAME: OpenInfoAPI github
URL: https://github.com/portdebarcelona/OpenInfoAPI-Ports
Terms of service: http://swagger.io/terms/

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API

1. ENVIRONMENT-POLLUTION

APIs related to the pollution levels in a port area.

1.1 GET /airQuality

Returns the present value of the Air Quality Index and Level.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
  airQuality {
```
Air Quality Index (AQI) and level.
```
    airQualityIndex  integer  between 0 and  100
```
Value of the Air Quality Index (AQI).
```
    airQualityLevel  enum  ALLOWED:good, moderate, unhealthyForSensitiveGroups,
                           unhealthy, veryUnhealthy, hazardous
```
Air Quality Level. Example values are those defined by the USA EPA Agency: (good, moderate, unhealthyForSensitiveGroups, unhealthy, veryUnhealthy, hazardous).
```
  }
  metadata {
```
Metadata information associated to a response.
```
    requestId      string   The unique identifier of the request. Include this as a reference when reporting issues.
    dateCreated    string   Entity creation timestamp. This will usually be allocated by the storage platform.
    dateModified   string   Timestamp of the last modification of the entity. This will usually be allocated by the storage platform.
    dateRetrieved  string   The date and time the information was retrieved in ISO8601 UTC format.
  }
  queryParams {
    portCode  string  max:5 chars
```
UN/LOCODE code for a port.
```
  }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
```
Error body
```
  code*         string   PATTERN:/([1-5][0-9]{2})/
```
HTML response status code.
```
  messageCode   string   Code error description.
  message*      string   Error description.
```
Timestamp of error ocurrence.

timestamp   string
    }

STATUS CODE - 404: Not found

  RESPONSE MODEL - application/json

  {
  Error body
      code*   string   **PATTERN**:/([1-5][0-9]{2})/
                              HTML response status code.
      messageCode string   Code error description.
      message*   string   Error description.
      timestamp   string   Timestamp of error ocurrence.
  }

1.2 GET /airPollution

Returns some common air quality parameters.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

  RESPONSE MODEL - application/json

  {
    airPollution {
    Values of several parameters that measure the air quality.
        airQualityIndex integer between 0 and 100
                                  Value of the Air Quality Index (AQI).
        CO   integer Carbon monoxide (CO) concentration, in milligrams per cubic meter.
        NONO   integer Nitric oxide (NO) concentration, in milligrams per cubic meter.
        NO2   integer Nitrogen dioxide (NO2) concentration, in milligrams per cubic meter.
        NOx   integer Mono-nitrogen oxides (NOx) concentration, in milligrams per cubic meter.
        SO2   integer Sulfur dioxide (SO2) concentration, in milligrams per cubic meter.
    }
    metadata {
    Metadata information associated to a response.
        requestId   string   The unique identifier of the request. Include this as a reference when reporting issues.
        dateCreated   string   Entity creation timestamp. This will usually be allocated by the storage platform.
        dateModified   string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                                platform.
        dateRetrieved string   The date and time the information was retrieved in ISO8601 UTC format.
    }
    queryParams {
        portCode string max:5 chars
                          UN/LOCODE code for a port.
    }
  }

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
```
Error body

code*   string   **PATTERN:**`/([1-5][0-9]{2})/`
                                    HTML response status code.

messageCode   string   Code error description.

message*   string   Error description.

timestamp   string   Timestamp of error ocurrence.

```
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
```
Error body

code*   string   **PATTERN:**`/([1-5][0-9]{2})/`
                                    HTML response status code.

messageCode   string   Code error description.

message*   string   Error description.

timestamp   string   Timestamp of error ocurrence.

```
}
```

1.3 GET /waterQuality

Returns the present value of the Water Quality Index and Level.

Returns the present value of the Water Quality Index and Level.
WQI provides a single number that expresses the overall water quality, at a certain location and time, based on several water quality parameters. The objective of WQI is to turn complex water quality data into information that is understandable and usable by the public.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
  waterQuality {
```
Water Quality Index (WQI) and level.

     waterQualityIndex*   integer   between 0 and 100
                                        Value of the Water Quality Index (WQI).

     waterQualityLevel   enum   **ALLOWED:**excellent quality, good, average, bad
                                        Water Quality Level. Example values are excellent quality, good, average, bad.

```
  }
  metadata {
```
Metadata information associated to a response.

     requestId   string   The unique identifier of the request. Include this as a reference when reporting issues.

     dateCreated   string   Entity creation timestamp. This will usually be allocated by the storage platform.

```
                    dateModified    string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                                             platform.
                    dateRetrieved   string   The date and time the information was retrieved in ISO8601 UTC format.
                }
                queryParams {
                    portCode   string   max:5 chars
                                            UN/LOCODE code for a port.
                }
            }
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
    code*         string   PATTERN:/([1-5][0-9]{2})/
                                HTML response status code.
    messageCode   string   Code error description.
    message*      string   Error description.
    timestamp     string   Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
    code*         string   PATTERN:/([1-5][0-9]{2})/
                                HTML response status code.
    messageCode   string   Code error description.
    message*      string   Error description.
    timestamp     string   Timestamp of error ocurrence.
}
```

1.4 GET /waterPollution

Returns some common water quality parameters.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
    waterParameters {
    Water quality parameters and chemical agents.
        waterTemperature   number   Water temperature, expressed in Celsius degrees.
        salinity           number   Amount of salts dissolved in water, measured in parts per thousand (ppt).
        ph                 number   Acidity or basicity of an aqueous solution, expressed as the negative of the logarithm to base 10
                                        of the activity of the hydrogen ion.
```

	turbidity	number	Amount of light scattered by particles in the water column, measured in Formazin Turbidity Units (FTU).
	o2	number	Level of free, non-compound oxygen present, expressed in milligrams per liter (mg/L).
	tss	number	The total suspended solids, measured in milligrams per liter (mg/L).
	tds	number	The total dissolved solids, measured in milligrams per liter (mg/L).
	nitrates	number	The concentration of nitrates, expressed in milligrams per liter (mg/L).
	nitrites	number	The concentration of nitrites, expressed in milligrams per liter (mg/L).
	ammonia	number	The concentration of ammonia, expressed in milligrams per liter (mg/L).
	silicate	number	The concentration of silicate, expressed in milligrams per liter (mg/L).
	phosphate	number	The concentration of phosphate, expressed in milligrams per liter (mg/L).

```
    }
    metadata {
```
Metadata information associated to a response.

	requestId	string	The unique identifier of the request. Include this as a reference when reporting issues.
	dateCreated	string	Entity creation timestamp. This will usually be allocated by the storage platform.
	dateModified	string	Timestamp of the last modification of the entity. This will usually be allocated by the storage platform.
	dateRetrieved	string	The date and time the information was retrieved in ISO8601 UTC format.

```
    }
    queryParams {
      portCode   string   max:5 chars
```
UN/LOCODE code for a port.

```
    }
  }
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
```
Error body

code*	string	PATTERN:/([1-5][0-9]{2})/
		HTML response status code.
messageCode	string	Code error description.
message*	string	Error description.
timestamp	string	Timestamp of error ocurrence.

```
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
```
Error body

code*	string	PATTERN:/([1-5][0-9]{2})/
		HTML response status code.
messageCode	string	Code error description.
message*	string	Error description.
timestamp	string	Timestamp of error ocurrence.

```
}
```

1.5 GET /noiseLevel

Returns the level of noise of a port

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
  noiseLevel {
```
Noise level, expressed in dB.
```
    noiseLevel* integer  between 0 and  140
```
Noise level, expressed in decibels (dB).
```
  }
  metadata {
```
Metadata information associated to a response.
```
    requestId      string   The unique identifier of the request. Include this as a reference when reporting issues.
    dateCreated    string   Entity creation timestamp. This will usually be allocated by the storage platform.
    dateModified   string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                            platform.
    dateRetrieved  string   The date and time the information was retrieved in ISO8601 UTC format.
  }
  queryParams {
    portCode  string  max:5 chars
```
UN/LOCODE code for a port.
```
  }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
```
Error body
```
  code*         string  PATTERN:/([1-5][0-9]{2})/
```
HTML response status code.
```
  messageCode  string  Code error description.
  message*     string  Error description.
  timestamp    string  Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
```
Error body
```
  code*         string  PATTERN:/([1-5][0-9]{2})/
```
HTML response status code.
```
  messageCode  string  Code error description.
  message*     string  Error description.
  timestamp    string  Timestamp of error ocurrence.
}
```

2. ENVIRONMENT-SEA STATE

APIs related to the sea state in the surrounding area of a port.

2.1 GET /seaCondition

Returns information on the sea condition.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
    seaCondition {
    Sea condition.
        surfaceTemperature  number   Sea surface temperature, expressed in Celsius degrees.
        waveHeight          number   Height of the waves, expressed in meters.
        waveLevel           number   Indicates the height of the waves and measures the swell of the sea, expressed in meters.
        wavePeriod          number   Indicates the time between the crests of a wave, expressed in seconds.
        source              string   Uniform Resource Identifier (URI). A unique sequence of characters that identifies a logical or
                                     physical resource used by web technologies.
    }
    metadata {
    Metadata information associated to a response.
        requestId       string   The unique identifier of the request. Include this as a reference when reporting issues.
        dateCreated     string   Entity creation timestamp. This will usually be allocated by the storage platform.
        dateModified    string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                                 platform.
        dateRetrieved   string   The date and time the information was retrieved in ISO8601 UTC format.
    }
    queryParams {
        portCode  string  max:5 chars
                          UN/LOCODE code for a port.
    }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
    code*         string   PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
    messageCode   string   Code error description.
    message*      string   Error description.
    timestamp     string   Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
```
Error body
```
    code*         string   PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
    messageCode   string   Code error description.
    message*      string   Error description.
    timestamp     string   Timestamp of error ocurrence.
}
```

2.2 GET /wavePrediction

Returns the prediction of waves.

Returns the prediction of waves, including the component of the wind waves plus the swell.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.
forecastedDate	date	Date of the forecast.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
    wavePrediction [{
```
Array of object: Wave prediction.
```
        forecastedDate*   string    The forecasted date.
        waveHeight*       number    Height of the waves, expressed in meters.
        swellHeight       number    Swell height in meters (m)
        swellPeriod       integer   Swell period in seconds (s)
        swellDirection    integer   between 0 and  360
                                    Swell direction
        windDirection     number    between 0 and  360
                                    The wind direction is expressed in decimal degrees compared to geographic North (measured
                                    clockwise), encoded as a Number. Range 0 to 360.
        windSpeed         number    The observed wind speed in m/s.
    }]
    metadata {
```
Metadata information associated to a response.
```
        requestId       string   The unique identifier of the request. Include this as a reference when reporting issues.
        dateCreated     string   Entity creation timestamp. This will usually be allocated by the storage platform.
        dateModified    string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                                 platform.
        dateRetrieved   string   The date and time the information was retrieved in ISO8601 UTC format.
    }
    queryParams {
        portCode        string   max:5 chars
                                 UN/LOCODE code for a port.
```

forecastedDate string   The forecasted date.
        }
    }

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

{
Error body

    code*   string   **PATTERN:**/([1-5][0-9]{2})/
                              HTML response status code.
    messageCode   string   Code error description.
    message*   string   Error description.
    timestamp   string   Timestamp of error ocurrence.
}

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

{
Error body

    code*   string   **PATTERN:**/([1-5][0-9]{2})/
                              HTML response status code.
    messageCode   string   Code error description.
    message*   string   Error description.
    timestamp   string   Timestamp of error ocurrence.
}

2.3 GET /tides

Returns information about the tides of a port.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.
forecastedDate	date	Date of the forecast.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

{
    tides [{
    Array of object: Tidal information.

        forecastedDate*   string   The forecasted date.
        highTide {
        The maximum height reached by a rising tide. High tide is measured in meters.

            height number   Representation of a height expressed in meters (m).
            time   string   Representation of Time, expressed in hours, minutes, and seconds using ISO 8601 Time format.
        }
        lowTide {
        The minimum height reached by a falling tide. Low tide is measured in meters.

```
      height   number   Representation of a height expressed in meters (m).
      time     string   Representation of Time, expressed in hours, minutes, and seconds using ISO 8601 Time format.
    }
  }]
  metadata {
  Metadata information associated to a response.

    requestId      string   The unique identifier of the request. Include this as a reference when reporting issues.
    dateCreated    string   Entity creation timestamp. This will usually be allocated by the storage platform.
    dateModified   string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                            platform.
    dateRetrieved  string   The date and time the information was retrieved in ISO8601 UTC format.
  }
  queryParams {
    portCode          string   max:5 chars
                               UN/LOCODE code for a port.
    forecastedDate    string   The forecasted date.
  }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body

    code*          string   PATTERN:/([1-5][0-9]{2})/
                            HTML response status code.
    messageCode    string   Code error description.
    message*       string   Error description.
    timestamp      string   Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body

    code*          string   PATTERN:/([1-5][0-9]{2})/
                            HTML response status code.
    messageCode    string   Code error description.
    message*       string   Error description.
    timestamp      string   Timestamp of error ocurrence.
}
```

3. ENVIRONMENT-WEATHER

APIs related to the weather in a port.

3.1 GET /realtimeWeather

Returns real-time weather information on the default weather station of a port.

Returns realtime weather information on the default weather station of a port.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
  realtimeWeather {
```
Realtime weather information.

dataProvider	string	Specifies the URL to inform the provider of this information.
name	string	Given name of a person.
location	string	Location of the weather observation is represented by a GeoJSON geometry. Mandatory if the address is not defined.

```
    address {
```
Address.

city	string	
country	string	
streetAndNumber	string	
zipCode	string	

```
    }
```

dateObserved*	string	The date and time of this observation are in ISO8601 UTC format. It can be represented by a specific time instant or by an ISO8601 interval.
source	string	Uniform Resource Identifier (URI). A unique sequence of characters that identifies a logical or physical resource used by web technologies.
refDevice	string	A reference to the device(s) which captured this observation.
refPointOfInterest	string	A reference to a point of interest.
weatherTypes	[enum]	**ALLOWED:** clearNight, sunnyDay, slightlyCloudy, partlyCloudy, mist, fog, highClouds, cloudy, veryCloudy, overcast, lightRainShower, drizzle, lightRain, heavyRainShower, heavyRain, sleetShower, sleet, hailShower, hail, shower, lightSnow, snow, heavySnowShower, heavySnow, thunderShower, thunder The observed weather types.
dewPoint	number	The dew point is encoded as a number. The default unit is Celsius degrees.
visibility	enum	**ALLOWED:** veryPoor, poor, moderate, good, veryGood, excellent Visibility reported.
temperature	number	Air temperature observed. The default unit is degrees centigrades.
feelsLikeTemperature	number	Wind chill/Feels like Temperature (C)
relativeHumidity	number	between 0 and 1

		Air relative humidity observed (percentage, expressed in parts per one).
precipitation	number	Precipitation level observed. The default unit is liters per square meter.
windDirection	number	between 0 and 360
		The wind direction is expressed in decimal degrees compared to geographic North (measured clockwise), encoded as a Number. Range 0 to 360.
windSpeed	number	The observed wind speed in m/s.
atmosphericPressure	number	The atmospheric pressure observed, measured in Hecto Pascals (hPa).
pressureTendency	enum	ALLOWED: raising, falling, steady
		Is the pressure rising or falling? It is expressed in qualitative terms.
solarRadiation	number	The solar radiation observed, measured in Watts per square meter.
illuminance	number	The illuminance observed, measured in lux (lx) or lumens per square metre (cd * sr * m-2).

```
    }
    metadata {
```
Metadata information associated to a response.

requestId	string	The unique identifier of the request. Include this as a reference when reporting issues.
dateCreated	string	Entity creation timestamp. This will usually be allocated by the storage platform.
dateModified	string	Timestamp of the last modification of the entity. This will usually be allocated by the storage platform.
dateRetrieved	string	The date and time the information was retrieved in ISO8601 UTC format.

```
    }
    queryParams {
       portCode   string   max:5 chars
```
UN/LOCODE code for a port.

```
    }
  }
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
```
Error body

code*	string	PATTERN: /([1-5][0-9]{2})/
		HTML response status code.
messageCode	string	Code error description.
message*	string	Error description.
timestamp	string	Timestamp of error ocurrence.

```
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
```
Error body

code*	string	PATTERN: /([1-5][0-9]{2})/
		HTML response status code.
messageCode	string	Code error description.
message*	string	Error description.
timestamp	string	Timestamp of error ocurrence.

```
}
```

3.2 GET /weatherForecast

Returns the 5 days weather forecast for a port.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
  weatherForecast [{
```
Array of object: Weather forecast information.

forecastedDate	string	The forecasted date.
atmosphericPressure	number	The atmospheric pressure observed, measured in Hecto Pascals (hPa).

```
    dayMaximum {
```
The maximum values for the reported period. Subattributes:- `temperature` : The maximum temperature. See `WeatherForecast.temperature` for description and units. - `feelLikesTemperature`. The maximum feels like temperature. Same semantics and units as `WeatherForecast.feelsLikeTemperature`.- `relativeHumidity`. The maximum relative humidity. Same semantics and units as `WeatherForecast.relativeHumidity`.

feelsLikeTemperature	number	Wind chill/Feels like Temperature (C)
relativeHumidity	number	between 0 and 1
		Air relative humidity observed (percentage, expressed in parts per one).
temperature	number	Air temperature observed. The default unit is degrees centigrades.

```
    }
    dayMinimum {
```
Minimum values forecasted for the reported period. Minimum values for the reported period. Subattributes:- `temperature` : Minimum temperature. See `WeatherForecast.temperature` for description and units. - `feelLikesTemperature`. Minimum feels like temperature. Same semantics and units as `WeatherForecast.feelsLikeTemperature`.- `relativeHumidity`. Minimum relative humidity. Same semantics and units as `WeatherForecast.relativeHumidity`

feelsLikeTemperature	number	Wind chill/Feels like Temperature (C)
relativeHumidity	number	between 0 and 1
		Air relative humidity observed (percentage, expressed in parts per one).
temperature	number	Air temperature observed. The default unit is degrees centigrades.

```
    }
```

precipitationProbability	number	between 0 and 1
		Rain precipitation probability (%)
cloudCover	number	between 0 and 1
		Cloud cover in percentage (%)
dataProvider	string	A sequence of characters identifying the provider of the harmonised data entity.

```
  }]
  metadata {
```
Metadata information associated to a response.

requestId	string	The unique identifier of the request. Include this as a reference when reporting issues.
dateCreated	string	Entity creation timestamp. This will usually be allocated by the storage platform.
dateModified	string	Timestamp of the last modification of the entity. This will usually be allocated by the storage platform.
dateRetrieved	string	The date and time the information was retrieved in ISO8601 UTC format.

```
  }
  queryParams {
    portCode  string  max:5 chars
```
UN/LOCODE code for a port.
```
  }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
```
Error body
```
   code*          string  PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
   messageCode  string    Code error description.
   message*       string  Error description.
   timestamp      string  Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
```
Error body
```
   code*          string  PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
   messageCode  string    Code error description.
   message*       string  Error description.
   timestamp      string  Timestamp of error ocurrence.
}
```

3.3 GET /astronomicalData

Returns astronomical data from a port.

Returns astronomical data from a port. Up to date information for sunrise, sunset, moonrise, moonset, moon phase and illumination.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
   astronomy [{
```
Array of object: Astronomical data.
```
      sunrise        string   Time for sunrise on a certain date and place.
      sunset         string   Time for sunset on a certain date and place.
      moonrise       string   Time for moonrise on a certain date and place.
      moonset        string   Time for moonset on a certain date and place.
      moonPhase      enum     ALLOWED:New Moon, First Quarter, Full Moon, Last Quarter
                              Moon phase.
      illumination  integer   between 0 and  100
                              Moon percentage illumination.
   }]
   metadata {
```
Metadata information associated to a response.
```
      requestId       string   The unique identifier of the request. Include this as a reference when reporting issues.
      dateCreated     string   Entity creation timestamp. This will usually be allocated by the storage platform.
                               Timestamp of the last modification of the entity. This will usually be allocated by the storage
```

```
      dateModified  string  platform.
      dateRetrieved  string  The date and time the information was retrieved in ISO8601 UTC format.
    }
    queryParams {
      portCode  string  max:5 chars
                        UN/LOCODE code for a port.
    }
  }
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
    code*        string  PATTERN:/([1-5][0-9]{2})/
                         HTML response status code.
    messageCode  string  Code error description.
    message*     string  Error description.
    timestamp    string  Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
    code*        string  PATTERN:/([1-5][0-9]{2})/
                         HTML response status code.
    messageCode  string  Code error description.
    message*     string  Error description.
    timestamp    string  Timestamp of error ocurrence.
}
```

4. LINER SERVICES

APIs related to the Liner Services that are scheduled in a port.

4.1 GET /linerServices

Returns a list of liner services of a port.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.
linkedPortCode	string max:5 chars	Port that is served by a direct service of a liner and do not requires a transshipment.
coastalArea	string max:4 chars	Maritime coastal areas.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
  linerServices [{
  Array of object:  List of attributes that describe a liner service.
    linerServiceName*          string     max:50 chars
                                          Name of a Liner Service, as it is refered by Alphaliner.
    linerServiceCode           string     max:4 chars
                                          Code of a Liner Service, as it is refered by Alphaliner.
    linerCarriers* [{
    Array of object:  Liner carrier.
      carrierName  string  Carrier name.
      carrierCode  string  Carrier code as Standard Carrier Alpha Code (SCAC)
    }]
    linkedPorts [{
    Array of object:  A port that is served by a direct service of a liner and that does not require a transhipment.
      portCode  string  max:5 chars
                        UN/LOCODE code for a port.
      portName  string  max:35 chars
                        Port name.
    }]
    coveredGeographicalAreas* [string] max:4 chars
                                          A contiguous stretch of coastline, together with islands offshore as it is
                                          defined by Eurostat in Annex VI from Directive 2009/42/EC of the European
                                          Parliament and of the Council.
    linerServiceType*          string     max:2 chars
                                          Type of Liner Service, coded.
                                          * `FC`Full container - Containership.
                                          * `CC`  Car-carrier.
                                          * `RR`  Ro-Ro.
                                          * `MP`  Multipurpose
```

```
linerServiceCapacity {
```
The capacity of a liner service, expressed in units according to the typology of the liner service. Units are TEUs for containerships, cars for car-carriers and LIMs (lanes in meters) for ro-ro vessels.

```
    capacity            integer   Capacity.
    unitsOf Measure    string    Units of measure.
}
linerSailingFrequency*      string      Frequency of a liner service, expressed in days
linerDurationOfRotation     string      Duration of the liner service rotation, expressed in days
}]
metadata {
```
Metadata information associated to a response.

```
    requestId       string   The unique identifier of the request. Include this as a reference when reporting issues.
    dateCreated     string   Entity creation timestamp. This will usually be allocated by the storage platform.
    dateModified    string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                             platform.
    dateRetrieved   string   The date and time the information was retrieved in ISO8601 UTC format.
}
queryParams {
    portCode        string  max:5 chars
                            UN/LOCODE code for a port.
    linkedPortCode  string  max:5 chars
                            UN/LOCODE code for a port.
    coastalArea     string  max:4 chars
                            A contiguous stretch of coastline, together with islands offshore as it is defined by Eurostat in
                            Annex VI from Directive 2009/42/EC of the European Parliament and of the Council.
}
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
```
Error body

```
    code*          string   PATTERN:/([1-5][0-9]{2})/
                            HTML response status code.
    messageCode  string   Code error description.
    message*     string   Error description.
    timestamp    string   Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
```
Error body

```
    code*          string   PATTERN:/([1-5][0-9]{2})/
                            HTML response status code.
    messageCode  string   Code error description.
    message*     string   Error description.
    timestamp    string   Timestamp of error ocurrence.
}
```

4.2 GET /linkedPorts

Returns the list of linked ports served by liner services from a port.

This GET API returns the list of linked ports served by liner services from a port.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.
coastalArea	string max:4 chars	Maritime coastal areas.
countryCode	undefined	Country code as in ISO3166 2 alpha characters.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
  linkedPorts [{
  Array of object:  A port that is served by a direct service of a liner and that does not require a transhipment.
    portCode  string  max:5 chars
                      UN/LOCODE code for a port.
    portName  string  max:35 chars
                      Port name.
  }]
  metadata {
  Metadata information associated to a response.
    requestId      string   The unique identifier of the request. Include this as a reference when reporting issues.
    dateCreated    string   Entity creation timestamp. This will usually be allocated by the storage platform.
    dateModified   string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                            platform.
    dateRetrieved  string   The date and time the information was retrieved in ISO8601 UTC format.
  }
  queryParams {
    portCode     string    max:5 chars
                           UN/LOCODE code for a port.
    coastalArea  string    max:4 chars
                           A contiguous stretch of coastline, together with islands offshore as it is defined by Eurostat in
                           Annex VI from Directive 2009/42/EC of the European Parliament and of the Council.
    countryCode  undefined  Country alpha-2 code from ISO 3166 — Codes for the representation of names of countries and
                            their subdivisions.
  }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
  code*         string  PATTERN:/([1-5][0-9]{2})/
                        HTML response status code.
  messageCode  string   Code error description.
  message*     string   Error description.
  timestamp    string   Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
```

```
    code*              string   PATTERN:/([1-5][0-9]{2})/
                                HTML response status code.
    messageCode   string   Code error description.
    message*          string   Error description.
    timestamp        string   Timestamp of error ocurrence.
}
```

4.3 GET /linerCarriers

List of the carriers that serve a port, a maritime coastal area or a country.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.
coastalArea	string max:4 chars	Maritime coastal areas.
countryCode	undefined	Country code as in ISO3166 2 alpha characters.
linkedPortCode	string max:5 chars	Port that is served by a direct service of a liner and do not requires a transshipment.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
  linerCarriers [{
  Array of object:  Liner carrier.

      carrierName   string   Carrier name.
      carrierCode   string   Carrier code as Standard Carrier Alpha Code (SCAC)
  }]
  metadata {
  Metadata information associated to a response.

      requestId         string   The unique identifier of the request. Include this as a reference when reporting issues.
      dateCreated     string   Entity creation timestamp. This will usually be allocated by the storage platform.
      dateModified    string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                               platform.
      dateRetrieved   string   The date and time the information was retrieved in ISO8601 UTC format.
  }
  queryParams {
      portCode          string      max:5 chars
                                    UN/LOCODE code for a port.
      coastalArea       string      max:4 chars
                                    A contiguous stretch of coastline, together with islands offshore as it is defined by Eurostat in
                                    Annex VI from Directive 2009/42/EC of the European Parliament and of the Council.
      countryCode       undefined   Country alpha-2 code from ISO 3166 — Codes for the representation of names of countries
                                    and their subdivisions.
      linkedPortCode    string      max:5 chars
                                    UN/LOCODE code for a port.
  }
```

```
    }
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
    code*           string   PATTERN:/([1-5][0-9]{2})/
                             HTML response status code.
    messageCode     string   Code error description.
    message*        string   Error description.
    timestamp       string   Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
    code*           string   PATTERN:/([1-5][0-9]{2})/
                             HTML response status code.
    messageCode     string   Code error description.
    message*        string   Error description.
    timestamp       string   Timestamp of error ocurrence.
}
```

5. NEWS

APIs related to some news of interest from a port.

5.1 POST /newsSubscriptionRequest

Subscription request to a news service

Request a subscription to a news service from a port

REQUEST

REQUEST BODY - application/json

{

A subscriber identified by an email or a phone number.

contactInfo*	string	email or phone
name	string	Given name of a person.
surname	string	Hereditary name common to all members of a family.

company {

Basic information about a company or a governmental body.

companyName	string	Company name.
activities	[enum]	ALLOWED:Port Authority, Harbour Master, Customs, Border Control Post (BCP), Immigration, Container Depot, Container Terminal, Container (CFS), General Cargo Terminal, Multi Purpose Terminal, Liquid Cargo Terminal, Bulk Cargo Terminal, Temperature Controlled Terminal, Dangerous Cargo Warehouse, Passenger Terminal, Inland Container Terminal, Liner Agent - Carrier, Railway Undertaking, Haulier, Barge Carrier, Freight Forwarder, Customs Broker, Stevedoring & Lashing, Tally, Ship Supplier, Nautic-technic, Tug, Mooring, Shipyards & Repair, Shipowner, Pilots, Research, Consulting, Port Community System - PCS, IT-Service, Insurance, Container Leasing, Railway Services, Railway Logistics Operator, Other

Activity performed by a company or a governmental body.

The following list include most of the activities and, if it is not included, `Other` must be selected:
* `Port Authority`
* `Harbour Master`
* `Customs`
* `Border Control Post (BCP)`
* `Immigration`
* `Container Depot`
* `Container Terminal`
* `Container (CFS)`
* `General Cargo Terminal`
* `Multi Purpose Terminal`
* `Liquid Cargo Terminal`
* `Bulk Cargo Terminal`
* `Temperature Controlled Terminal`
* `Dangerous Cargo Warehouse`
* `Passenger Terminal`
* `Inland Container Terminal`
* `Liner Agent - Carrier`
* `Railway Undertaking`
* `Haulier`
* `Barge Carrier`
* `Freight Forwarder`
* `Customs Broker`
* `Stevedoring & Lashing`
* `Tally`
* `Ship Supplier`
* `Nautic-technic`
* `Tug`
* `Mooring`
* `Shipyards & Repair`

```
                                * `Shipowner`
                                * `Pilots`
                                * `Research`
                                * `Consulting`
                                * `Port Community System - PCS`
                                * `IT-Service`
                                * `Insurance`
                                * `Container Leasing`
                                * `Railway Services`
                                * `Railway Logistics Operator`
                                * `Other`
        companyVat   string   VAT number that identifies a company.
    }
    categories*                  string              Category of a publication.
    language*                    string              max:2 chars
                                                     The ISO 639 code of a language. Each language is
                                                     assigned a two-letter (639-1) lowercase
                                                     abbreviation. E.g. `ca` Catalan.
}
```

RESPONSE

STATUS CODE - 200: successful operation

RESPONSE MODEL - application/json

```
{
Response after a subscription request has been received
    subscriptionRequestReference  string   Reference assigned to a subscription request.
    subscriptionRequestMessage    string   Response message to a subscription request.
}
```

STATUS CODE - 400: Invalid Order

5.2 POST /newsSubscriptionValidation

Last step for subscribing to a news service

Post the validation code is received to fulfill the subscription request to a news service from a port

REQUEST

REQUEST BODY - application/json

```
string
```
The code received to complete a subscription process.

RESPONSE

STATUS CODE - 200: successful operation

RESPONSE MODEL - application/json

```
string
```

STATUS CODE - 400: Invalid Order

5.3 POST /newsUnsubscriptionRequest

Request to cancel the subscription to a news service

Request to cancel a subscription of a news service from a port

REQUEST

REQUEST BODY - application/json

ONE OF
prop0
string
email
prop1
string
Phone number

RESPONSE

STATUS CODE - 200: successful operation

RESPONSE MODEL - application/json

{

Response after an unsubscription request has been received

   unsubscriptionRequestReference   string   Reference assigned to an unsubscription request.
   unsubscriptionRequestMessage   string   Response message to an unsubscription request.

}

STATUS CODE - 400: Invalid Order

5.4 POST /newsUnsubscriptionValidation

Last step for cancelling the subscription to a news service

Post the validation code is received to cancel the subscription to a news service from a port

REQUEST

REQUEST BODY - application/json

string

The code received to complete a subscription process.

RESPONSE

STATUS CODE - 200: successful operation

RESPONSE MODEL - application/json

string

STATUS CODE - 400: Invalid Order

5.5 GET /news

Returns a list of news

Returns a list of news. The default value is a list of the active news but news that have expired can also be retrieved if the parameter 'publishingStage' is set to EXPIRED and the selection can be refined including the parameter 'fromDate'

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.
publishingStage	enum **ALLOWED:** ACTIVE, EXPIRED	The stage of the publishing process of a notice or news. There are only two possible stages, ACTIVE and EXPIRED. This parameter must be used when the publishing process is EXPIRED. If not provided, the ACTIVE stage is used by default.

NAME	TYPE	DESCRIPTION
fromDate	date	The start date of the period for which schedule information is requested. The value is populated in ISO 8601 Date format. If not provided, the current date is used by default.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
  news [{
  Array of object:  News from its unique id.
      id*         string    max:35 chars
                            Entity's unique identifier.
      language*   string    max:2 chars
                            The ISO 639 code of a language. Each language is assigned a two-letter (639-1) lowercase abbreviation.
                            E.g. `ca` Catalan.
      subject*    string    The subject of a publication.
      content     string    The content of a publication.
      category    string    Category of a publication.
      fromDate    string    The initial date of a period.
      toDate      string    The final date of a period.
      uri         string    Uniform Resource Identifier (URI). A unique sequence of characters that identifies a logical or physical
                            resource used by web technologies.
  }]
  metadata {
  Metadata information associated to a response.
      requestId       string    The unique identifier of the request. Include this as a reference when reporting issues.
      dateCreated     string    Entity creation timestamp. This will usually be allocated by the storage platform.
      dateModified    string    Timestamp of the last modification of the entity. This will usually be allocated by the storage
                                platform.
      dateRetrieved   string    The date and time the information was retrieved in ISO8601 UTC format.
  }
  queryParams {
      portCode          string    max:5 chars
                                  UN/LOCODE code for a port.
      publishingStage   enum      ALLOWED:ACTIVE, EXPIRED
                                  Stages of a publishing process:
                                  * `ACTIVE` - Element that is active
                                  * `EXPIRED` - Element that has expired
      fromDate          string    The initial date of a period.
  }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
  Error body
      code*         string    PATTERN:/([1-5][0-9]{2})/
                              HTML response status code.
      messageCode   string    Code error description.
      message*      string    Error description.
      timestamp     string    Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
    code*          string   PATTERN:/([1-5][0-9]{2})/
                            HTML response status code.
    messageCode  string   Code error description.
    message*       string   Error description.
    timestamp    string   Timestamp of error ocurrence.
}
```

5.6 GET /newsCategories

Returns the list of news categories from a news service of a port

This GET API returns the list of all the category names that a user can subscribe. Please see the 'newsCategories' attribute which returns an array of noticeCategories names. Each noticeCategories or a combination of noticeCategories can be searched using the syntax options shown below.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
    newsCategories              [string]              Category of a publication.
    metadata {
    Metadata information associated to a response.
        requestId      string   The unique identifier of the request. Include this as a reference when reporting issues.
        dateCreated    string   Entity creation timestamp. This will usually be allocated by the storage platform.
        dateModified   string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                                platform.
        dateRetrieved  string   The date and time the information was retrieved in ISO8601 UTC format.
    }
    queryParams {
        portCode   string   max:5 chars
                            UN/LOCODE code for a port.
    }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
    code*          string   PATTERN:/([1-5][0-9]{2})/
                            HTML response status code.
    messageCode  string   Code error description.
    message*       string   Error description.
    timestamp    string   Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
```
Error body
```
    code*           string   PATTERN:/([1-5][0-9]{2})/
                             HTML response status code.
    messageCode    string    Code error description.
    message*       string    Error description.
    timestamp      string    Timestamp of error ocurrence.
}
```

5.7 GET /newsLanguages

List of the possible languages from a news service of a port

Returns a list of the possible languages for news published.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
    newsLanguages  [string]  max:2 chars
                             The ISO 639 code of a language. Each language is assigned a two-letter (639-1) lowercase
                             abbreviation. E.g. `ca` Catalan.
    metadata {
```
Metadata information associated to a response.
```
        requestId      string   The unique identifier of the request. Include this as a reference when reporting issues.
        dateCreated    string   Entity creation timestamp. This will usually be allocated by the storage platform.
        dateModified   string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                                platform.
        dateRetrieved  string   The date and time the information was retrieved in ISO8601 UTC format.
    }
    queryParams {
        portCode   string  max:5 chars
                             UN/LOCODE code for a port.
    }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
```
Error body
```
    code*           string   PATTERN:/([1-5][0-9]{2})/
                             HTML response status code.
    messageCode    string    Code error description.
    message*       string    Error description.
```

```
        timestamp      string   Timestamp of error ocurrence.
    }
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
    code*          string   PATTERN:/([1-5][0-9]{2})/
                            HTML response status code.
    messageCode    string   Code error description.
    message*       string   Error description.
    timestamp      string   Timestamp of error ocurrence.
}
```

5.8 GET /newsById

Returns news identified by its unique id.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.
id	string max:35 chars	The unique identification of a database register.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
    news {
    News from its unique id.
        id*            string   max:35 chars
                                Entity's unique identifier.
        language*      string   max:2 chars
                                The ISO 639 code of a language. Each language is assigned a two-letter (639-1) lowercase abbreviation. E.g.
                                `ca` Catalan.
        subject*       string   The subject of a publication.
        content        string   The content of a publication.
        category       string   Category of a publication.
        fromDate       string   The initial date of a period.
        toDate         string   The final date of a period.
        uri            string   Uniform Resource Identifier (URI). A unique sequence of characters that identifies a logical or physical
                                resource used by web technologies.
    }
    metadata {
    Metadata information associated to a response.
        requestId      string   The unique identifier of the request. Include this as a reference when reporting issues.
        dateCreated    string   Entity creation timestamp. This will usually be allocated by the storage platform.
        dateModified   string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                                platform.
        dateRetrieved  string   The date and time the information was retrieved in ISO8601 UTC format.
```

```
    }
    queryParams {
        portCode  string  max:5 chars
                            UN/LOCODE code for a port.
    }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
    code*         string  PATTERN:/([1-5][0-9]{2})/
                            HTML response status code.
    messageCode   string  Code error description.
    message*      string  Error description.
    timestamp     string  Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
    code*         string  PATTERN:/([1-5][0-9]{2})/
                            HTML response status code.
    messageCode   string  Code error description.
    message*      string  Error description.
    timestamp     string  Timestamp of error ocurrence.
}
```

6. NOTICES

APIs related to some notices of interest from a port.

6.1 POST /noticesSubscriptionRequest

Subscription request to a notices service

Request a subscription to a notices service from a port

REQUEST

REQUEST BODY - application/json

{

A subscriber identified by an email or a phone number.

contactInfo*	string	email or phone
name	string	Given name of a person.
surname	string	Hereditary name common to all members of a family.

company {

Basic information about a company or a governmental body.

companyName	string	Company name.
activities	[enum]	**ALLOWED:** Port Authority, Harbour Master, Customs, Border Control Post (BCP), Immigration, Container Depot, Container Terminal, Container (CFS), General Cargo Terminal, Multi Purpose Terminal, Liquid Cargo Terminal, Bulk Cargo Terminal, Temperature Controlled Terminal, Dangerous Cargo Warehouse, Passenger Terminal, Inland Container Terminal, Liner Agent - Carrier, Railway Undertaking, Haulier, Barge Carrier, Freight Forwarder, Customs Broker, Stevedoring & Lashing, Tally, Ship Supplier, Nautic-technic, Tug, Mooring, Shipyards & Repair, Shipowner, Pilots, Research, Consulting, Port Community System - PCS, IT-Service, Insurance, Container Leasing, Railway Services, Railway Logistics Operator, Other

Activity performed by a company or a governmental body.

The following list include most of the activities and, if it is not included, `Other` must be selected:
* `Port Authority`
* `Harbour Master`
* `Customs`
* `Border Control Post (BCP)`
* `Immigration`
* `Container Depot`
* `Container Terminal`
* `Container (CFS)`
* `General Cargo Terminal`
* `Multi Purpose Terminal`
* `Liquid Cargo Terminal`
* `Bulk Cargo Terminal`
* `Temperature Controlled Terminal`
* `Dangerous Cargo Warehouse`
* `Passenger Terminal`
* `Inland Container Terminal`
* `Liner Agent - Carrier`
* `Railway Undertaking`
* `Haulier`
* `Barge Carrier`
* `Freight Forwarder`
* `Customs Broker`
* `Stevedoring & Lashing`
* `Tally`
* `Ship Supplier`
* `Nautic-technic`
* `Tug`
* `Mooring`
* `Shipyards & Repair`

```
                          * `Shipowner`
                          * `Pilots`
                          * `Research`
                          * `Consulting`
                          * `Port Community System - PCS`
                          * `IT-Service`
                          * `Insurance`
                          * `Container Leasing`
                          * `Railway Services`
                          * `Railway Logistics Operator`
                          * `Other`
     companyVat    string  VAT number that identifies a company.
  }
  categories*                      string          Category of a publication.
  language*                        string          max:2 chars
                                                   The ISO 639 code of a language. Each language is
                                                   assigned a two-letter (639-1) lowercase
                                                   abbreviation. E.g. `ca` Catalan.
}
```

RESPONSE

STATUS CODE - 200: successful operation

RESPONSE MODEL - application/json

```
{
Response after a subscription request has been received
    subscriptionRequestReference  string  Reference assigned to a subscription request.
    subscriptionRequestMessage    string  Response message to a subscription request.
}
```

STATUS CODE - 400: Invalid Order

6.2 POST /noticesSubscriptionValidation

Last step for subscribing to a notices service
Post the validation code is received to fulfill the subscription request to a notices service from a port

REQUEST

REQUEST BODY - application/json
```
string
```
The code received to complete a subscription process.

RESPONSE

STATUS CODE - 200: successful operation

RESPONSE MODEL - application/json

```
string
```

STATUS CODE - 400: Invalid Order

6.3 POST /noticesUnsubscriptionRequest

Request to cancel the subscription to a notices service
Request to cancel a subscription of a notices service from a port

REQUEST

REQUEST BODY - application/json

ONE OF
prop0
string
email
prop1
string
Phone number

RESPONSE

STATUS CODE - 200: successful operation

RESPONSE MODEL - application/json

{

Response after an unsubscription request has been received

   unsubscriptionRequestReference string Reference assigned to an unsubscription request.

   unsubscriptionRequestMessage   string Response message to an unsubscription request.

}

STATUS CODE - 400: Invalid Order

6.4 POST /noticesUnsubscriptionValidation

Last step for cancelling the subscription to a notices service

Post the validation code is received to cancel the subscription to a notices service from a port

REQUEST

REQUEST BODY - application/json

string

The code received to complete a subscription process.

RESPONSE

STATUS CODE - 200: successful operation

RESPONSE MODEL - application/json

string

STATUS CODE - 400: Invalid Order

6.5 GET /notices

Returns a list of notices

Returns a list of notices. The default value is a list of the active notices but notices that have expired can also be retrieved if the parameter 'publishingStage' is set to EXPIRED and the selection can be refined including the parameter 'fromDate'

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

NAME	TYPE	DESCRIPTION
publishingStage	enum **ALLOWED:** ACTIVE, EXPIRED	The stage of the publishing process of a notice or news. There are only two possible stages, ACTIVE and EXPIRED. This parameter must be used when the publishing process is EXPIRED. If not provided, the ACTIVE stage is used by default.
fromDate	date	The start date of the period for which schedule information is requested. The value is populated in ISO 8601 Date format. If not provided, the current date is used by default.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
  notice [{
  Array of object:  A notice from its unique id.
    id*          string   max:35 chars
                          Entity's unique identifier.
    category     enum     ALLOWED:Traffic jam, accidents, weather conditions, high
                          level of pollutants
                          Define the category of alert.
    subCategory  string   Define the sub category of alert. For traffic category: trafficJam, carAccident, carWrongDirection,
                          carStopped, pothole, roadClosed, roadWorks, hazardOnRoad, injuredBiker.  For naturalDisaster
                          category: flood, tsunami, coastalEvent, earthquake.  For weather category: rainfall, highTemperature,
                          lowTemperature, heatWave, coldWave, ice, snow, wind, fog, tornado, tropicalCyclone, hurricane, snow/
                          ice, thunderstorms, fireRisk, avalancheRisk, floodRisk.  For environment category: airPollution,
                          waterPollution, pollenConcentration.
    severity     enum     ALLOWED:informational, low, medium, high, critical
                          Define the level of gravity of a given alert.
    subject*     string   The subject of a publication.
    content      string   The content of a publication.
    dateIssued   string   The date and time the alert was issued by the alert generator.
    fromDate     string   The initial date of a period.
    toDate       string   The final date of a period.
    uri          string   Uniform Resource Identifier (URI). A unique sequence of characters that identifies a logical or physical
                          resource used by web technologies.
    language*    string   max:2 chars
                          The ISO 639 code of a language. Each language is assigned a two-letter (639-1) lowercase
                          abbreviation. E.g. `ca` Catalan.
    alertSource  string   Reference to the source of the alert. For example, it could be a user of an application, a device, or a
                          service.
  }]
  metadata                    string                    max:5 chars
                                                        UN/LOCODE code for a port.
  queryParams {
    portCode        string   max:5 chars
                             UN/LOCODE code for a port.
    publishingStage enum     ALLOWED:ACTIVE, EXPIRED
                             Stages of a publishing process:
                             * `ACTIVE` - Element that is active
                             * `EXPIRED` - Element that has expired
    fromDate        string   The initial date of a period.
  }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
```

Error body

```
    code*          string  PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
    messageCode    string  Code error description.
    message*       string  Error description.
    timestamp      string  Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
```
Error body
```
    code*          string  PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
    messageCode    string  Code error description.
    message*       string  Error description.
    timestamp      string  Timestamp of error ocurrence.
}
```

6.6 GET /noticesCategories

Returns the list of notices categories from a notices service of a port

This GET API returns the list of all the category names that a user can subscribe. Please see the 'noticesCategories' attribute which returns an array of noticeCategories names. Each noticeCategories or a combination of noticeCategories can be searched using the syntax options shown below.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
    noticeCategories                [string]                Category of a publication.
    metadata {
    Metadata information associated to a response.
        requestId      string  The unique identifier of the request. Include this as a reference when reporting issues.
        dateCreated    string  Entity creation timestamp. This will usually be allocated by the storage platform.
        dateModified   string  Timestamp of the last modification of the entity. This will usually be allocated by the storage
                               platform.
        dateRetrieved  string  The date and time the information was retrieved in ISO8601 UTC format.
    }
    queryParams {
        portCode       string  max:5 chars
                               UN/LOCODE code for a port.

        noticeLanguage string  max:2 chars
                               The ISO 639 code of a language. Each language is assigned a two-letter (639-1) lowercase
                               abbreviation. E.g. `ca` Catalan.
    }
```

}

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
    code*        string  PATTERN:/([1-5][0-9]{2})/
                         HTML response status code.
    messageCode  string  Code error description.
    message*     string  Error description.
    timestamp    string  Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
    code*        string  PATTERN:/([1-5][0-9]{2})/
                         HTML response status code.
    messageCode  string  Code error description.
    message*     string  Error description.
    timestamp    string  Timestamp of error ocurrence.
}
```

6.7 GET /noticesLanguages

List of the possible languages from a notices service of a port

Returns a list of the possible languages for the notices published.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
    noticesLanguages [{
    Array of object:  A list of languages available for the notices.
    }]
    metadata {
    Metadata information associated to a response.
        requestId      string  The unique identifier of the request. Include this as a reference when reporting issues.
        dateCreated    string  Entity creation timestamp. This will usually be allocated by the storage platform.
        dateModified   string  Timestamp of the last modification of the entity. This will usually be allocated by the storage
                               platform.
        dateRetrieved  string  The date and time the information was retrieved in ISO8601 UTC format.
    }
    queryParams {
```

```
          portCode  string max:5 chars
                         UN/LOCODE code for a port.
      }
  }
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
    code*          string  PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
    messageCode  string  Code error description.
    message*       string  Error description.
    timestamp      string  Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
    code*          string  PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
    messageCode  string  Code error description.
    message*       string  Error description.
    timestamp      string  Timestamp of error ocurrence.
}
```

6.8 GET /noticesById

Returns a particular notice identified by its unique id.

Returns a notice identified by its unique id.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.
id	string max:35 chars	The unique identification of a database register.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
    notice {
    A notice from its unique id.
        id*          string max:35 chars
                          Entity's unique identifier.
        category     enum    ALLOWED:Traffic jam, accidents, weather conditions, high level
                          of pollutants
                          Define the category of alert.
```

subCategory	string	Define the sub category of alert. For traffic category: trafficJam, carAccident, carWrongDirection, carStopped, pothole, roadClosed, roadWorks, hazardOnRoad, injuredBiker. For naturalDisaster category: flood, tsunami, coastalEvent, earthquake. For weather category: rainfall, highTemperature, lowTemperature, heatWave, coldWave, ice, snow, wind, fog, tornado, tropicalCyclone, hurricane, snow/ice, thunderstorms, fireRisk, avalancheRisk, floodRisk. For environment category: airPollution, waterPollution, pollenConcentration.

```
      subCategory  string  Define the sub category of alert. For traffic category: trafficJam, carAccident, carWrongDirection,
                           carStopped, pothole, roadClosed, roadWorks, hazardOnRoad, injuredBiker.  For naturalDisaster category:
                           flood, tsunami, coastalEvent, earthquake.  For weather category: rainfall, highTemperature,
                           lowTemperature, heatWave, coldWave, ice, snow, wind, fog, tornado, tropicalCyclone, hurricane, snow/ice,
                           thunderstorms, fireRisk, avalancheRisk, floodRisk.  For environment category: airPollution,
                           waterPollution, pollenConcentration.
      severity     enum    ALLOWED:informational, low, medium, high, critical
                           Define the level of gravity of a given alert.
      subject*     string  The subject of a publication.
      content      string  The content of a publication.
      dateIssued   string  The date and time the alert was issued by the alert generator.
      fromDate     string  The initial date of a period.
      toDate       string  The final date of a period.
      uri          string  Uniform Resource Identifier (URI). A unique sequence of characters that identifies a logical or physical
                           resource used by web technologies.
      language*    string  max:2 chars
                           The ISO 639 code of a language. Each language is assigned a two-letter (639-1) lowercase abbreviation.
                           E.g. `ca` Catalan.
      alertSource  string  Reference to the source of the alert. For example, it could be a user of an application, a device, or a
                           service.
   }
   metadata {
   Metadata information associated to a response.
      requestId       string  The unique identifier of the request. Include this as a reference when reporting issues.
      dateCreated     string  Entity creation timestamp. This will usually be allocated by the storage platform.
      dateModified    string  Timestamp of the last modification of the entity. This will usually be allocated by the storage
                              platform.
      dateRetrieved   string  The date and time the information was retrieved in ISO8601 UTC format.
   }
   queryParams {
      portCode  string  max:5 chars
                        UN/LOCODE code for a port.
      id        string  max:35 chars
                        Entity's unique identifier.
   }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
   code*        string  PATTERN:/([1-5][0-9]{2})/
                        HTML response status code.
   messageCode  string  Code error description.
   message*     string  Error description.
   timestamp    string  Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
   code*        string  PATTERN:/([1-5][0-9]{2})/
                        HTML response status code.
   messageCode  string  Code error description.
   message*     string  Error description.
   timestamp    string  Timestamp of error ocurrence.
}
```

7. PORT CALENDAR

APIs related to the calendar in a port.

7.1 GET /holidays

Returns a list of holidays in a given period of time of a year and for a given place.

Information about list of public holidays from a requested period of time of a year and a place (country and subdivision).

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
country	undefined	ISO3166 2 characters country code.
subdivision	undefined	ubdivision code from ISO 3166 - Codes for the representation of names of countries and their subdivisions.
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.
fromDate	date	The start date of the period for which schedule information is requested. The value is populated in ISO 8601 Date format. If not provided, the current date is used by default.
toDate	date	Last day of a period is expressed as YYYY-MM-DD.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
  holidays [{
```
Array of object: A day on which normal activities, especially business or work including school, are suspended or reduced.

holidayDate*	string	Holiday date.
holidayType	enum	**ALLOWED:** national holiday, other secular holiday, religious holiday, regional holiday local holiday
		Type of holiday.
holidayCountry	undefined	Country alpha-2 code from ISO 3166 — Codes for the representation of names of countries and their subdivisions.
holidaySubdivision	undefined	Subdivision code from ISO 3166 — Codes for the representation of names of countries and their subdivisions.
holidayPort	string	max:5 chars
		UN/LOCODE code for a port.

```
  }]
  metadata {
```
Metadata information associated to a response.

requestId	string	The unique identifier of the request. Include this as a reference when reporting issues.
dateCreated	string	Entity creation timestamp. This will usually be allocated by the storage platform.
dateModified	string	Timestamp of the last modification of the entity. This will usually be allocated by the storage platform.
dateRetrieved	string	The date and time the information was retrieved in ISO8601 UTC format.

```
  }
  queryParams {
```

country	undefined	Country alpha-2 code from ISO 3166 — Codes for the representation of names of countries and their subdivisions.
subdivision	undefined	Subdivision code from ISO 3166 — Codes for the representation of names of countries and their subdivisions.

```
      portCode        string        max:5 chars
                                     UN/LOCODE code for a port.
      fromDate        string        The initial date of a period.
      toDate          string        The final date of a period.
    }
  }
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
    code*          string   PATTERN:/([1-5][0-9]{2})/
                            HTML response status code.
    messageCode    string   Code error description.
    message*       string   Error description.
    timestamp      string   Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
    code*          string   PATTERN:/([1-5][0-9]{2})/
                            HTML response status code.
    messageCode    string   Code error description.
    message*       string   Error description.
    timestamp      string   Timestamp of error ocurrence.
}
```

7.2 GET /holidayTypes

Returns the list of all the holiday types.

Information about all the holiday types.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
    holidayTypes   [enum]   ALLOWED:national holiday, other secular holiday, religious
                            holiday, regional holiday local holiday
                            Type of holiday.
    metadata {
    Metadata information associated to a response.
        requestId       string   The unique identifier of the request. Include this as a reference when reporting issues.
        dateCreated     string   Entity creation timestamp. This will usually be allocated by the storage platform.
```

```
      dateModified   string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                              platform.
      dateRetrieved  string   The date and time the information was retrieved in ISO8601 UTC format.
   }
   queryParams {
      portCode  string  max:5 chars
                              UN/LOCODE code for a port.
   }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
   code*         string   PATTERN:/([1-5][0-9]{2})/
                          HTML response status code.
   messageCode   string   Code error description.
   message*      string   Error description.
   timestamp     string   Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
   code*         string   PATTERN:/([1-5][0-9]{2})/
                          HTML response status code.
   messageCode   string   Code error description.
   message*      string   Error description.
   timestamp     string   Timestamp of error ocurrence.
}
```

8. PORT CALLS

Port Calls Domain. APIs related to the ships arrival or departure from a port.

8.1 GET /shipsScheduled

Returns a list of ships that will arrive at a port in each period of time

Returns a list of ships that will arrive at a port in a given period of time

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.
fromDate	date	The start date of the period for which schedule information is requested. The value is populated in ISO 8601 Date format. If not provided, the current date is used by default.
dateRange	iso8601	The time period for which schedule information is sent. The duration is populated in ISO 8601 Duration format. If not provided, 24 hours is used by default.
shipType	enum max:2 chars ALLOWED: 10, 20, 31, 32, 33, 34, 35, 36, 41, 42, 43, 49, XX	Type of ship. Default value are all types.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
    shipArrivalForecast [{
```
Array of object: Ship that will arrive on a given period of time.

shipIMONumber*	string	max:7 chars

The ship identifier. The unique seven-digit number which remains unchanged through a vessel's lifetime and is linked to its hull.

shipName*	string	max:35 chars

The ship's name is shown on the IMO ship's certificates.

shipType*	enum	max:2 chars

ALLOWED:10, 20, 31, 32, 33, 34, 35, 36, 41, 42, 43, 49, XX

The type of the ship. The value is populated using the 2-character code from Annex VI from DIRECTIVE 2009/42/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 6 May 2009 on statistical returns in respect of the carriage of goods and passengers by sea.

* `10` Liquid bulk (Oil tanker, Chemical tanker, LG tanker, Tanker barge, Other tanker)
* `20` Dry bulk (Bulk/oil carrier, Bulk carrier)
* `31` Container (Full container)
* `32` Specialised (Barge carrier, Chemical carrier, Irradiated fuel, Livestock carrier, Vehicle carrier, Other specialised)
* `33` General cargo, non-specialised (Reefer, Ro-ro passenger, Ro-ro container, Other ro-ro cargo,Combination carrier general cargo/passenger, Combination carrier general cargo/container, Single-decker, Multi-decker)
* `34` Dry cargo barge (Deck barge, Hopper barge, Lash-seabee barge, Open dry cargo barge, Covered dry cargo barge, Other dry cargo barge nes)
* `35` Passenger (Passenger, excluding cruise passengers)

```
                                    * `36` Cruise Passenger (Cruise ships only)
                                    * `41` Fishing (Fish catching, Fish processing)
                                    * `42` Offshore activities (Drilling and exploration, Offshore support)
                                    * `43` Tugs (Tugs, Pusher craft)
                                    * `49` Miscellaneous Dredgers (Research/survey, Other vessel nes)
                                    * `XX` Unknown Unknown type of vessel
    estimatedTimeOfArrival*  string  PATTERN:date-time
                                    The date and time the means of transport is estimated to arrive at a specified
                                    location (ETA), in ISO 8601 Date format.

    }]
    metadata {
    Metadata information associated to a response.

        requestId       string   The unique identifier of the request. Include this as a reference when reporting issues.
        dateCreated     string   Entity creation timestamp. This will usually be allocated by the storage platform.
        dateModified    string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                                 platform.
        dateRetrieved   string   The date and time the information was retrieved in ISO8601 UTC format.
    }
    queryParams {
        portCode    string   max:5 chars
                             UN/LOCODE code for a port.
        fromDate    string   The initial date of a period.
        dateRange   string   The duration of a period is expressed as an ISO 8601 code. E.g. 4 weeks and 2 days are represented as
                             P4W2D.
        shipType    enum     max:2 chars
                             ALLOWED:10, 20, 31, 32, 33, 34, 35, 36, 41, 42, 43, 49, XX
                             The type of the ship. The value is populated using the 2-character code from Annex VI from DIRECTIVE
                             2009/42/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 6 May 2009 on statistical returns
                             in respect of the carriage of goods and passengers by sea.

                             * `10` Liquid bulk (Oil tanker, Chemical tanker, LG tanker, Tanker barge, Other tanker)
                             * `20` Dry bulk (Bulk/oil carrier, Bulk carrier)
                             * `31` Container (Full container)
                             * `32` Specialised (Barge carrier, Chemical carrier, Irradiated fuel, Livestock carrier, Vehicle carrier, Other
                             specialised)
                             * `33` General cargo, non-specialised (Reefer, Ro-ro passenger, Ro-ro container, Other ro-ro
                             cargo,Combination carrier general cargo/passenger, Combination carrier general cargo/container, Single-
                             decker, Multi-decker)
                             * `34` Dry cargo barge (Deck barge, Hopper barge, Lash-seabee barge, Open dry cargo barge, Covered dry
                             cargo barge, Other dry cargo barge nes)
                             * `35` Passenger (Passenger, excluding cruise passengers)
                             * `36` Cruise Passenger (Cruise ships only)
                             * `41` Fishing (Fish catching, Fish processing)
                             * `42` Offshore activities (Drilling and exploration, Offshore support)
                             * `43` Tugs (Tugs, Pusher craft)
                             * `49` Miscellaneous Dredgers (Research/survey, Other vessel nes)
                             * `XX` Unknown Unknown type of vessel

    }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
    code*         string   PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
    messageCode   string   Code error description.
    message*      string   Error description.
    timestamp     string   Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
```

code*	string	**PATTERN:**/([1-5][0-9]{2})/
		HTML response status code.
messageCode	string	Code error description.
message*	string	Error description.
timestamp	string	Timestamp of error ocurrence.

}

8.2 GET /shipsInPort

Returns a list of ships that are anchored or moored now in a Port.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

{

  shipsInPort [{

  Array of object: Ship that is in port.

shipIMONumber*	string	max:7 chars
		The ship identifier. The unique seven-digit number which remains unchanged through a vessel's lifetime and is linked to its hull.
shipName*	string	max:35 chars
		The ship's name is shown on the IMO ship's certificates.
shipType*	enum	max:2 chars
		ALLOWED:10, 20, 31, 32, 33, 34, 35, 36, 41, 42, 43, 49, XX
		The type of the ship. The value is populated using the 2-character code from Annex VI from DIRECTIVE 2009/42/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 6 May 2009 on statistical returns in respect of the carriage of goods and passengers by sea.
		* `10` Liquid bulk (Oil tanker, Chemical tanker, LG tanker, Tanker barge, Other tanker) * `20` Dry bulk (Bulk/oil carrier, Bulk carrier) * `31` Container (Full container) * `32` Specialised (Barge carrier, Chemical carrier, Irradiated fuel, Livestock carrier, Vehicle carrier, Other specialised) * `33` General cargo, non-specialised (Reefer, Ro-ro passenger, Ro-ro container, Other ro-ro cargo,Combination carrier general cargo/passenger, Combination carrier general cargo/container, Single-decker, Multi-decker) * `34` Dry cargo barge (Deck barge, Hopper barge, Lash-seabee barge, Open dry cargo barge, Covered dry cargo barge, Other dry cargo barge nes) * `35` Passenger (Passenger, excluding cruise passengers) * `36` Cruise Passenger (Cruise ships only) * `41` Fishing (Fish catching, Fish processing) * `42` Offshore activities (Drilling and exploration, Offshore support) * `43` Tugs (Tugs, Pusher craft) * `49` Miscellaneous Dredgers (Research/survey, Other vessel nes) * `XX` Unknown Unknown type of vessel
actualTimeOfArrival*	string	The date and time the means of transport arrives at a specified location (ATA), in ISO 8601 Date format.
estimatedTimeOfDeparture*	string	The date and time the means of transport is estimated to depart from a specified location (ETD), in ISO 8601 Date format.

    berth {

    Identification of a berth from a port.

```
          berthCode       string     Code assigned to a berth of a port.
          berthName       string     Berth name.
          berthCoordinates {
          Either of the two lines of latitude and longitude whose intersection determines the geographical point of a place.

              latitude    number   Latitude of a point.
              longitude   number   Longitude of a point
          }
          berthLength   integer   Berth length expressed in meters (m).
          berthDepth    number    Bathymetric information. Depth expessed in meters. It must be expressed with positive values.
       }
       lastPortOfCall                 string  max:5 chars
                                          Last Port of Call UN/LOCODE.
    }]
    metadata {
    Metadata information associated to a response.

       requestId       string   The unique identifier of the request. Include this as a reference when reporting issues.
       dateCreated     string   Entity creation timestamp. This will usually be allocated by the storage platform.
       dateModified    string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                                platform.
       dateRetrieved   string   The date and time the information was retrieved in ISO8601 UTC format.
    }
    queryParams {
       portCode   string  max:5 chars
                            UN/LOCODE code for a port.
    }
 }
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body

   code*          string   PATTERN:/([1-5][0-9]{2})/
                               HTML response status code.
   messageCode  string   Code error description.
   message*       string   Error description.
   timestamp      string   Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body

   code*          string   PATTERN:/([1-5][0-9]{2})/
                               HTML response status code.
   messageCode  string   Code error description.
   message*       string   Error description.
   timestamp      string   Timestamp of error ocurrence.
}
```

8.3 GET /shipsArrivals

Returns a list of ships that have arrived or will arrive today at a port.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
  shipArrivals [{
```
Array of object: Ship that has arrived or will arrive today.

shipIMONumber* `string` `max:7 chars`

The ship identifier. The unique seven-digit number which remains unchanged through a vessel's lifetime and is linked to its hull.

shipName* `string` `max:35 chars`

The ship's name is shown on the IMO ship's certificates.

shipType* `enum` `max:2 chars`

ALLOWED:`10, 20, 31, 32, 33, 34, 35, 36, 41, 42, 43, 49, XX`

The type of the ship. The value is populated using the 2-character code from Annex VI from DIRECTIVE 2009/42/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 6 May 2009 on statistical returns in respect of the carriage of goods and passengers by sea.

* `10` Liquid bulk (Oil tanker, Chemical tanker, LG tanker, Tanker barge, Other tanker)
* `20` Dry bulk (Bulk/oil carrier, Bulk carrier)
* `31` Container (Full container)
* `32` Specialised (Barge carrier, Chemical carrier, Irradiated fuel, Livestock carrier, Vehicle carrier, Other specialised)
* `33` General cargo, non-specialised (Reefer, Ro-ro passenger, Ro-ro container, Other ro-ro cargo,Combination carrier general cargo/passenger, Combination carrier general cargo/container, Single-decker, Multi-decker)
* `34` Dry cargo barge (Deck barge, Hopper barge, Lash-seabee barge, Open dry cargo barge, Covered dry cargo barge, Other dry cargo barge nes)
* `35` Passenger (Passenger, excluding cruise passengers)
* `36` Cruise Passenger (Cruise ships only)
* `41` Fishing (Fish catching, Fish processing)
* `42` Offshore activities (Drilling and exploration, Offshore support)
* `43` Tugs (Tugs, Pusher craft)
* `49` Miscellaneous Dredgers (Research/survey, Other vessel nes)
* `XX` Unknown Unknown type of vessel

actualTimeOfArrival `string` The date and time the means of transport arrives at a specified location (ATA), in ISO 8601 Date format.

estimatedTimeOfArrival* `string` **PATTERN:**`date-time`

The date and time the means of transport is estimated to arrive at a specified location (ETA), in ISO 8601 Date format.

nextPortOfCall `string` `max:5 chars`

Last Port of Call UN/LOCODE.

```
  berth* {
```
Identification of a berth from a port.

    berthCode `string` Code assigned to a berth of a port.
    berthName `string` Berth name.
    berthCoordinates {
    Either of the two lines of latitude and longitude whose intersection determines the geographical point of a place.

        latitude `number` Latitude of a point.
        longitude `number` Longitude of a point
    }
    berthLength `integer` Berth length expressed in meters (m).
    berthDepth `number` Bathymetric information. Depth expessed in meters. It must be expressed with positive values.

```
  }
  }]
  metadata {
```

Metadata information associated to a response.

```
    requestId       string   The unique identifier of the request. Include this as a reference when reporting issues.
    dateCreated     string   Entity creation timestamp. This will usually be allocated by the storage platform.
    dateModified    string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                             platform.
    dateRetrieved   string   The date and time the information was retrieved in ISO8601 UTC format.
  }
  queryParams {
    portCode  string  max:5 chars
                      UN/LOCODE code for a port.
  }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
    code*          string   PATTERN:/([1-5][0-9]{2})/
                            HTML response status code.
    messageCode   string   Code error description.
    message*      string   Error description.
    timestamp     string   Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
    code*          string   PATTERN:/([1-5][0-9]{2})/
                            HTML response status code.
    messageCode   string   Code error description.
    message*      string   Error description.
    timestamp     string   Timestamp of error ocurrence.
}
```

8.4 GET /shipsDepartures

Returns a list of ships that have departed or will depart today from a port.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
    shipDepartures [{
Array of object:  Ship that has departed or will depart today.
```

shipIMONumber*	string	max:7 chars
		The ship identifier. The unique seven-digit number which remains unchanged through a vessel's lifetime and is linked to its hull.
shipName*	string	max:35 chars
		The ship's name is shown on the IMO ship's certificates.
shipType*	enum	max:2 chars

ALLOWED: 10, 20, 31, 32, 33, 34, 35, 36, 41, 42, 43, 49, XX

The type of the ship. The value is populated using the 2-character code from Annex VI from DIRECTIVE 2009/42/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 6 May 2009 on statistical returns in respect of the carriage of goods and passengers by sea.

* `10` Liquid bulk (Oil tanker, Chemical tanker, LG tanker, Tanker barge, Other tanker)
* `20` Dry bulk (Bulk/oil carrier, Bulk carrier)
* `31` Container (Full container)
* `32` Specialised (Barge carrier, Chemical carrier, Irradiated fuel, Livestock carrier, Vehicle carrier, Other specialised)
* `33` General cargo, non-specialised (Reefer, Ro-ro passenger, Ro-ro container, Other ro-ro cargo,Combination carrier general cargo/passenger, Combination carrier general cargo/container, Single-decker, Multi-decker)
* `34` Dry cargo barge (Deck barge, Hopper barge, Lash-seabee barge, Open dry cargo barge, Covered dry cargo barge, Other dry cargo barge nes)
* `35` Passenger (Passenger, excluding cruise passengers)
* `36` Cruise Passenger (Cruise ships only)
* `41` Fishing (Fish catching, Fish processing)
* `42` Offshore activities (Drilling and exploration, Offshore support)
* `43` Tugs (Tugs, Pusher craft)
* `49` Miscellaneous Dredgers (Research/survey, Other vessel nes)
* `XX` Unknown Unknown type of vessel

actualTimeOfDeparture	string	The date and time the means of transport departs from a specified location (ATD), in ISO 8601 Date format.
estimatedTimeOfDeparture*	string	The date and time the means of transport is estimated to depart from a specified location (ETD), in ISO 8601 Date format.
nextPortOfCall	string	max:5 chars
		Next port of call UN/LOCODE.

```
berth* {
```
Identification of a berth from a port.

```
    berthCode    string    Code assigned to a berth of a port.
    berthName    string    Berth name.
    berthCoordinates {
```
Either of the two lines of latitude and longitude whose intersection determines the geographical point of a place.

```
        latitude    number    Latitude of a point.
        longitude   number    Longitude of a point
    }
    berthLength  integer   Berth length expressed in meters (m).
    berthDepth   number    Bathymetric information. Depth expessed in meters. It must be expressed with positive values.
    }
}]
metadata {
```
Metadata information associated to a response.

```
    requestId      string    The unique identifier of the request. Include this as a reference when reporting issues.
    dateCreated    string    Entity creation timestamp. This will usually be allocated by the storage platform.
    dateModified   string    Timestamp of the last modification of the entity. This will usually be allocated by the storage
                             platform.
    dateRetrieved  string    The date and time the information was retrieved in ISO8601 UTC format.
}
queryParams {
    portCode  string max:5 chars
                        UN/LOCODE code for a port.
}
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
```
Error body
```
    code*           string   PATTERN:/([1-5][0-9]{2})/
                             HTML response status code.
    messageCode  string   Code error description.
    message*     string   Error description.
    timestamp    string   Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
```
Error body
```
    code*           string   PATTERN:/([1-5][0-9]{2})/
                             HTML response status code.
    messageCode  string   Code error description.
    message*     string   Error description.
    timestamp    string   Timestamp of error ocurrence.
}
```

8.5 GET /shipsAproximation

Returns a list of ships that have initiated their aproximation manoeuvres to a port.

Returns a list of ships that have initiated their aproximation manouvres to a port.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
  shipsAproximation [{
```
Array of object: Ship that has initiated their aproximation manouvres.
```
    shipIMONumber*          string  max:7 chars
```
The ship identifier. The unique seven-digit number which remains unchanged through a vessel's lifetime and is linked to its hull.
```
    shipName*               string  max:35 chars
```
The ship's name is shown on the IMO ship's certificates.
```
    estimatedTimeOfArrival* string  PATTERN:date-time
```
The date and time the means of transport is estimated to arrive at a specified location (ETA), in ISO 8601 Date format.
```
    shipType                enum    max:2 chars
                                    ALLOWED:10, 20, 31, 32, 33, 34, 35, 36, 41, 42, 43,
                                    49, XX
```
The type of the ship. The value is populated using the 2-character code from Annex VI from DIRECTIVE 2009/42/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 6 May 2009 on statistical returns in respect of the carriage of goods and passengers by sea.

```
* `10` Liquid bulk (Oil tanker, Chemical tanker, LG tanker, Tanker barge, Other tanker)
* `20` Dry bulk (Bulk/oil carrier, Bulk carrier)
* `31` Container (Full container)
* `32` Specialised (Barge carrier, Chemical carrier, Irradiated fuel, Livestock carrier,
Vehicle carrier, Other specialised)
* `33` General cargo, non-specialised (Reefer, Ro-ro passenger, Ro-ro container, Other
ro-ro cargo,Combination carrier general cargo/passenger, Combination carrier
general cargo/container, Single-decker, Multi-decker)
* `34` Dry cargo barge (Deck barge, Hopper barge, Lash-seabee barge, Open dry
cargo barge, Covered dry cargo barge, Other dry cargo barge nes)
* `35` Passenger (Passenger, excluding cruise passengers)
* `36` Cruise Passenger (Cruise ships only)
* `41` Fishing (Fish catching, Fish processing)
* `42` Offshore activities (Drilling and exploration, Offshore support)
* `43` Tugs (Tugs, Pusher craft)
* `49` Miscellaneous Dredgers (Research/survey, Other vessel nes)
* `XX` Unknown Unknown type of vessel
```

`lastPortOfCall`	string max:5 chars	
	Last Port of Call UN/LOCODE.	

```
}]
metadata {
```
Metadata information associated to a response.

`requestId`	string	The unique identifier of the request. Include this as a reference when reporting issues.
`dateCreated`	string	Entity creation timestamp. This will usually be allocated by the storage platform.
`dateModified`	string	Timestamp of the last modification of the entity. This will usually be allocated by the storage platform.
`dateRetrieved`	string	The date and time the information was retrieved in ISO8601 UTC format.

```
}
queryParams {
   portCode  string  max:5 chars
```
UN/LOCODE code for a port.
```
}
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
```
Error body

`code*`	string	**PATTERN**:/([1-5][0-9]{2})/
		HTML response status code.
`messageCode`	string	Code error description.
`message*`	string	Error description.
`timestamp`	string	Timestamp of error ocurrence.

```
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
```
Error body

`code*`	string	**PATTERN**:/([1-5][0-9]{2})/
		HTML response status code.
`messageCode`	string	Code error description.
`message*`	string	Error description.
`timestamp`	string	Timestamp of error ocurrence.

```
}
```

8.6 GET /ferriesArrivals

Returns a list of all the ferries that have arrived or will arrive today at a port.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
  ferriesArrivals [{
  Array of object: Ferry that has arrived or will arrive today.

      shipName*                 string  max:35 chars
                                        The ship's name is shown on the IMO ship's certificates.

      ferryOperator* {
      Identification of the company that operates a ferry.

         code            string  Operator code. Code assigned to a ferry operator.
         description*    string  Name of the ferry operator.
      }
      actualTimeOfArrival       string  The date and time the means of transport arrives at a specified location (ATA), in
                                        ISO 8601 Date format.
      estimatedTimeOfArrival*   string  PATTERN:date-time
                                        The date and time the means of transport is estimated to arrive at a specified
                                        location (ETA), in ISO 8601 Date format.
      lastPortOfCall            string  max:5 chars
                                        Last Port of Call UN/LOCODE.

      berth* {
      Identification of a berth from a port.

         berthCode      string  Code assigned to a berth of a port.
         berthName      string  Berth name.
         berthCoordinates {
         Either of the two lines of latitude and longitude whose intersection determines the geographical point of a place.

            latitude    number  Latitude of a point.
            longitude   number  Longitude of a point
         }
         berthLength    integer  Berth length expressed in meters (m).
         berthDepth     number   Bathymetric information. Depth expessed in meters. It must be expressed with positive values.
      }
  }]
  metadata {
  Metadata information associated to a response.

      requestId      string  The unique identifier of the request. Include this as a reference when reporting issues.
      dateCreated    string  Entity creation timestamp. This will usually be allocated by the storage platform.
      dateModified   string  Timestamp of the last modification of the entity. This will usually be allocated by the storage
                             platform.
      dateRetrieved  string  The date and time the information was retrieved in ISO8601 UTC format.
  }
  queryParams {
      portCode   string  max:5 chars
                         UN/LOCODE code for a port.
  }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
```
Error body
```
    code*        string    PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
    messageCode  string    Code error description.
    message*     string    Error description.
    timestamp    string    Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
```
Error body
```
    code*        string    PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
    messageCode  string    Code error description.
    message*     string    Error description.
    timestamp    string    Timestamp of error ocurrence.
}
```

8.7 GET /ferriesDepartures

Returns a list of ferries that have departed or will depart today from a port.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
    ferriesDepartures [{
```
Array of object: Ferry that has departed or will depart today.
```
        shipName*                    string  max:35 chars
                                             The ship's name is shown on the IMO ship's certificates.

        ferryOperator* {
```
Identification of the company that operates a ferry.
```
            code           string    Operator code. Code assigned to a ferry operator.
            description*   string    Name of the ferry operator.
        }
        actualTimeOfDeparture        string  The date and time the means of transport departs from a specified location
                                             (ATD), in ISO 8601 Date format.
        estimatedTimeOfDeparture*    string  The date and time the means of transport is estimated to depart from a specified
                                             location (ETD), in ISO 8601 Date format.
        nextPortOfCall               string  max:5 chars
                                             Next port of call UN/LOCODE.

        berth* {
```
Identification of a berth from a port.
```
```

```
          berthCode      string    Code assigned to a berth of a port.
          berthName      string    Berth name.
          berthCoordinates {
          Either of the two lines of latitude and longitude whose intersection determines the geographical point of a place.

             latitude    number   Latitude of a point.
             longitude   number   Longitude of a point
          }
          berthLength    integer   Berth length expressed in meters (m).
          berthDepth     number    Bathymetric information. Depth expessed in meters. It must be expressed with positive values.
        }
     }]
     metadata {
     Metadata information associated to a response.

        requestId      string    The unique identifier of the request. Include this as a reference when reporting issues.
        dateCreated    string    Entity creation timestamp. This will usually be allocated by the storage platform.
        dateModified   string    Timestamp of the last modification of the entity. This will usually be allocated by the storage
                                 platform.
        dateRetrieved  string    The date and time the information was retrieved in ISO8601 UTC format.
     }
     queryParams {
        portCode  string  max:5 chars
                              UN/LOCODE code for a port.
     }
  }
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body

   code*          string   PATTERN:/([1-5][0-9]{2})/
                              HTML response status code.
   messageCode   string   Code error description.
   message*      string   Error description.
   timestamp     string   Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body

   code*          string   PATTERN:/([1-5][0-9]{2})/
                              HTML response status code.
   messageCode   string   Code error description.
   message*      string   Error description.
   timestamp     string   Timestamp of error ocurrence.
}
```

8.8 GET /cruiseCalls

Returns information about the next arrival and departure of a cruise ship.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.
shipName	string max:35 chars	Name of the cruise ship.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
  cruiseCalls [{
    Array of object:  Information about next cruise ship call.
    shipName*                  string max:35 chars
                                     The ship's name is shown on the IMO ship's certificates.
    cruiseLine* {
    Identification of the company that operates the cruise ship.
      code             string  Operator code. Code assigned to a cruise line.
      description*  string  Name of the cruise line.
    }
    estimatedTimeOfArrival*      string  PATTERN:date-time
                                     The date and time the means of transport is estimated to arrive at a specified
                                     location (ETA), in ISO 8601 Date format.
    estimatedTimeOfDeparture*  string  The date and time the means of transport is estimated to depart from a specified
                                     location (ETD), in ISO 8601 Date format.
    facility* {
    Identification of a port facility.
      code                       string                          Code assigned to a port facility.
      name*                      string                          Facility name.
      berth {
      Identification of a berth from a port.
        berthCode     string  Code assigned to a berth of a port.
        berthName     string  Berth name.
        berthCoordinates {
        Either of the two lines of latitude and longitude whose intersection determines the geographical point of a place.
          latitude    number  Latitude of a point.
          longitude   number  Longitude of a point
        }
        berthLength   integer  Berth length expressed in meters (m).
        berthDepth    number  Bathymetric information. Depth expessed in meters. It must be expressed with positive
                                     values.
      }
    }
  }]
  metadata {
  Metadata information associated to a response.
    requestId       string  The unique identifier of the request. Include this as a reference when reporting issues.
    dateCreated     string  Entity creation timestamp. This will usually be allocated by the storage platform.
    dateModified    string  Timestamp of the last modification of the entity. This will usually be allocated by the storage
                                     platform.
    dateRetrieved   string  The date and time the information was retrieved in ISO8601 UTC format.
  }
  queryParams {
    portCode  string max:5 chars
                                     UN/LOCODE code for a port.
    shipName  string max:35 chars
```

}
    }

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

{
Error body

    code*   string PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
    messageCode   string Code error description.
    message*   string Error description.
    timestamp   string Timestamp of error ocurrence.
}

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

{
Error body

    code*   string PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
    messageCode   string Code error description.
    message*   string Error description.
    timestamp   string Timestamp of error ocurrence.
}

9. PORT DIRECTORY

APIs related to the a port directory.

9.1 GET /companies

Get some overview data of all the companies from a port or all the companies that perform a specific activity.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.
activity	enum ALLOWED: Port Authority, Harbour Master, Customs, Border Control Post (BCP), Immigration, Container Depot, Container Terminal, Container (CFS), General Cargo Terminal, Multi Purpose Terminal, Liquid Cargo Terminal, Bulk Cargo Terminal, Temperature Controlled Terminal, Dangerous Cargo Warehouse, Passenger Terminal, Inland Container Terminal, Liner Agent - Carrier, Railway Undertaking, Haulier, Barge Carrier, Freight Forwarder, Customs Broker, Stevedoring & Lashing, Tally, Ship Supplier, Nautic-technic, Tug, Mooring, Shipyards & Repair, Shipowner, Pilots, Research, Consulting, Port Community System - PCS, IT-Service, Insurance, Container Leasing, Railway Services, Railway Logistics Operator, Other	Activity of a company

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
  companies [{
```
Array of object: Basic information about a company.

```
    companyName*  string   Company name.
    activities*   [enum]   ALLOWED:Port Authority, Harbour Master, Customs, Border
```
Control Post (BCP), Immigration, Container Depot, Container Terminal, Container (CFS), General Cargo Terminal, Multi Purpose Terminal, Liquid Cargo Terminal, Bulk Cargo Terminal, Temperature Controlled Terminal, Dangerous Cargo Warehouse, Passenger Terminal, Inland Container Terminal, Liner Agent - Carrier, Railway Undertaking, Haulier, Barge Carrier, Freight Forwarder, Customs Broker, Stevedoring & Lashing, Tally, Ship Supplier, Nautic-technic, Tug, Mooring, Shipyards & Repair, Shipowner, Pilots, Research, Consulting, Port Community System - PCS, IT-Service, Insurance, Container Leasing, Railway Services, Railway Logistics Operator, Other

Activity performed by a company or a governmental body.

The following list include most of the activities and, if it is not included, `Other` must be selected:
* `Port Authority`
* `Harbour Master`
* `Customs`
* `Border Control Post (BCP)`

```
                                    * `Immigration`
                                    * `Container Depot`
                                    * `Container Terminal`
                                    * `Container (CFS)`
                                    * `General Cargo Terminal`
                                    * `Multi Purpose Terminal`
                                    * `Liquid Cargo Terminal`
                                    * `Bulk Cargo Terminal`
                                    * `Temperature Controlled Terminal`
                                    * `Dangerous Cargo Warehouse`
                                    * `Passenger Terminal`
                                    * `Inland Container Terminal`
                                    * `Liner Agent - Carrier`
                                    * `Railway Undertaking`
                                    * `Haulier`
                                    * `Barge Carrier`
                                    * `Freight Forwarder`
                                    * `Customs Broker`
                                    * `Stevedoring & Lashing`
                                    * `Tally`
                                    * `Ship Supplier`
                                    * `Nautic-technic`
                                    * `Tug`
                                    * `Mooring`
                                    * `Shipyards & Repair`
                                    * `Shipowner`
                                    * `Pilots`
                                    * `Research`
                                    * `Consulting`
                                    * `Port Community System - PCS`
                                    * `IT-Service`
                                    * `Insurance`
                                    * `Container Leasing`
                                    * `Railway Services`
                                    * `Railway Logistics Operator`
                                    * `Other`
    companyVat    string   VAT number that identifies a company.
}]
metadata {
Metadata information associated to a response.

    requestId      string   The unique identifier of the request. Include this as a reference when reporting issues.
    dateCreated    string   Entity creation timestamp. This will usually be allocated by the storage platform.
    dateModified   string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                            platform.
    dateRetrieved  string   The date and time the information was retrieved in ISO8601 UTC format.
}
queryParams {
    portCode  string  max:5 chars
                      UN/LOCODE code for a port.

    activity  enum    ALLOWED:Port Authority, Harbour Master, Customs, Border Control
                      Post (BCP), Immigration, Container Depot, Container Terminal,
                      Container (CFS), General Cargo Terminal, Multi Purpose Terminal,
                      Liquid Cargo Terminal, Bulk Cargo Terminal, Temperature
                      Controlled Terminal, Dangerous Cargo Warehouse, Passenger
                      Terminal, Inland Container Terminal, Liner Agent - Carrier,
                      Railway Undertaking, Haulier, Barge Carrier, Freight Forwarder,
                      Customs Broker, Stevedoring & Lashing, Tally, Ship Supplier,
                      Nautic-technic, Tug, Mooring, Shipyards & Repair, Shipowner,
                      Pilots, Research, Consulting, Port Community System - PCS, IT-
                      Service, Insurance, Container Leasing, Railway Services, Railway
                      Logistics Operator, Other
                      Activity performed by a company or a governmental body.

                      The following list include most of the activities and, if it is not included, `Other` must be selected:
                      * `Port Authority`
                      * `Harbour Master`
                      * `Customs`
                      * `Border Control Post (BCP)`
                      * `Immigration`
                      * `Container Depot`
                      * `Container Terminal`
```

```
                                       * `Container (CFS)`
                                       * `General Cargo Terminal`
                                       * `Multi Purpose Terminal`
                                       * `Liquid Cargo Terminal`
                                       * `Bulk Cargo Terminal`
                                       * `Temperature Controlled Terminal`
                                       * `Dangerous Cargo Warehouse`
                                       * `Passenger Terminal`
                                       * `Inland Container Terminal`
                                       * `Liner Agent - Carrier`
                                       * `Railway Undertaking`
                                       * `Haulier`
                                       * `Barge Carrier`
                                       * `Freight Forwarder`
                                       * `Customs Broker`
                                       * `Stevedoring & Lashing`
                                       * `Tally`
                                       * `Ship Supplier`
                                       * `Nautic-technic`
                                       * `Tug`
                                       * `Mooring`
                                       * `Shipyards & Repair`
                                       * `Shipowner`
                                       * `Pilots`
                                       * `Research`
                                       * `Consulting`
                                       * `Port Community System - PCS`
                                       * `IT-Service`
                                       * `Insurance`
                                       * `Container Leasing`
                                       * `Railway Services`
                                       * `Railway Logistics Operator`
                                       * `Other`
                }
        }
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
    code*           string   PATTERN:/([1-5][0-9]{2})/
                             HTML response status code.
    messageCode     string   Code error description.
    message*        string   Error description.
    timestamp       string   Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
    code*           string   PATTERN:/([1-5][0-9]{2})/
                             HTML response status code.
    messageCode     string   Code error description.
    message*        string   Error description.
    timestamp       string   Timestamp of error ocurrence.
}
```

9.2 GET /companiesByName

Get a company by its name or part of it without diacritics. At least three characters have to be included.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.
searchTerm	string min:3 chars	Part of the name of the company without diacritics

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

{

   companiesByName [{

Array of object: Detailled information about a company or a governmental body.

      activities   [enum] ALLOWED:Port Authority, Harbour Master, Customs, Border Control Post (BCP), Immigration, Container Depot, Container Terminal, Container (CFS), General Cargo Terminal, Multi Purpose Terminal, Liquid Cargo Terminal, Bulk Cargo Terminal, Temperature Controlled Terminal, Dangerous Cargo Warehouse, Passenger Terminal, Inland Container Terminal, Liner Agent - Carrier, Railway Undertaking, Haulier, Barge Carrier, Freight Forwarder, Customs Broker, Stevedoring & Lashing, Tally, Ship Supplier, Nautic-technic, Tug, Mooring, Shipyards & Repair, Shipowner, Pilots, Research, Consulting, Port Community System - PCS, IT-Service, Insurance, Container Leasing, Railway Services, Railway Logistics Operator, Other

Activity performed by a company or a governmental body.

The following list include most of the activities and, if it is not included, `Other` must be selected:
* `Port Authority`
* `Harbour Master`
* `Customs`
* `Border Control Post (BCP)`
* `Immigration`
* `Container Depot`
* `Container Terminal`
* `Container (CFS)`
* `General Cargo Terminal`
* `Multi Purpose Terminal`
* `Liquid Cargo Terminal`
* `Bulk Cargo Terminal`
* `Temperature Controlled Terminal`
* `Dangerous Cargo Warehouse`
* `Passenger Terminal`
* `Inland Container Terminal`
* `Liner Agent - Carrier`
* `Railway Undertaking`
* `Haulier`
* `Barge Carrier`
* `Freight Forwarder`
* `Customs Broker`
* `Stevedoring & Lashing`
* `Tally`
* `Ship Supplier`
* `Nautic-technic`
* `Tug`
* `Mooring`
* `Shipyards & Repair`
* `Shipowner`
* `Pilots`
* `Research`
* `Consulting`
* `Port Community System - PCS`
* `IT-Service`
* `Insurance`
* `Container Leasing`
* `Railway Services`
* `Railway Logistics Operator`

```
                              * `Other`
   companyName    string   Company name.
   email          string   email
   phone          string   Phone number
   website        string   Uniform Resource Identifier (URI). A unique sequence of characters that identifies a logical or physical
                           resource used by web technologies.
   companyAddress {
   Address.

      city              string
      country           string
      streetAndNumber   string
      zipCode           string
   }
   openingHours {
   Opening hours.

      afternoon  string
      closed     boolean
      day        string
      forenoon   string
   }
   afterHours {
   Contact info after hours.

      email          string
      fax            string
      functionTitle  string
      gsm            string
      name           string
      phone          string
   }
   companyVat   string   VAT number that identifies a company.
 }]
 metadata {
 Metadata information associated to a response.

    requestId      string   The unique identifier of the request. Include this as a reference when reporting issues.
    dateCreated    string   Entity creation timestamp. This will usually be allocated by the storage platform.
    dateModified   string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                            platform.
    dateRetrieved  string   The date and time the information was retrieved in ISO8601 UTC format.
 }
 queryParams {
    portCode     string   max:5 chars
                          UN/LOCODE code for a port.
    companyName  string   Company name.
 }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body

   code*         string   PATTERN:/([1-5][0-9]{2})/
                          HTML response status code.
   messageCode   string   Code error description.
   message*      string   Error description.
   timestamp     string   Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
  code*          string  PATTERN:/([1-5][0-9]{2})/
                         HTML response status code.
  messageCode  string   Code error description.
  message*     string   Error description.
  timestamp    string   Timestamp of error ocurrence.
}
```

9.3 GET /companyByVat

Get a company by its VAT number.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.
companyName	string	Vat number of the company

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
  companyByVat {
  Detailed information about a company or a governmental body.
    activities  [enum]  ALLOWED:Port Authority, Harbour Master, Customs, Border Control
                        Post (BCP), Immigration, Container Depot, Container Terminal,
                        Container (CFS), General Cargo Terminal, Multi Purpose
                        Terminal, Liquid Cargo Terminal, Bulk Cargo Terminal,
                        Temperature Controlled Terminal, Dangerous Cargo Warehouse,
                        Passenger Terminal, Inland Container Terminal, Liner Agent -
                        Carrier, Railway Undertaking, Haulier, Barge Carrier, Freight
                        Forwarder, Customs Broker, Stevedoring & Lashing, Tally, Ship
                        Supplier, Nautic-technic, Tug, Mooring, Shipyards & Repair,
                        Shipowner, Pilots, Research, Consulting, Port Community
                        System - PCS, IT-Service, Insurance, Container Leasing,
                        Railway Services, Railway Logistics Operator, Other
                        Activity performed by a company or a governmental body.

                        The following list include most of the activities and, if it is not included, `Other` must be selected:
                        * `Port Authority`
                        * `Harbour Master`
                        * `Customs`
                        * `Border Control Post (BCP)`
                        * `Immigration`
                        * `Container Depot`
                        * `Container Terminal`
                        * `Container (CFS)`
                        * `General Cargo Terminal`
                        * `Multi Purpose Terminal`
                        * `Liquid Cargo Terminal`
                        * `Bulk Cargo Terminal`
                        * `Temperature Controlled Terminal`
                        * `Dangerous Cargo Warehouse`
```

```
                                        * `Passenger Terminal`
                                        * `Inland Container Terminal`
                                        * `Liner Agent - Carrier`
                                        * `Railway Undertaking`
                                        * `Haulier`
                                        * `Barge Carrier`
                                        * `Freight Forwarder`
                                        * `Customs Broker`
                                        * `Stevedoring & Lashing`
                                        * `Tally`
                                        * `Ship Supplier`
                                        * `Nautic-technic`
                                        * `Tug`
                                        * `Mooring`
                                        * `Shipyards & Repair`
                                        * `Shipowner`
                                        * `Pilots`
                                        * `Research`
                                        * `Consulting`
                                        * `Port Community System - PCS`
                                        * `IT-Service`
                                        * `Insurance`
                                        * `Container Leasing`
                                        * `Railway Services`
                                        * `Railway Logistics Operator`
                                        * `Other`
```

companyName   string   Company name.

email   string   email

phone   string   Phone number

website   string   Uniform Resource Identifier (URI). A unique sequence of characters that identifies a logical or physical resource used by web technologies.

companyAddress {
Address.

   city   string

   country   string

   streetAndNumber   string

   zipCode   string

}

openingHours {
Opening hours.

   afternoon   string

   closed   boolean

   day   string

   forenoon   string

}

afterHours {
Contact info after hours.

   email   string

   fax   string

   functionTitle   string

   gsm   string

   name   string

   phone   string

}

   companyVat   string   VAT number that identifies a company.

}

metadata {
Metadata information associated to a response.

   requestId   string   The unique identifier of the request. Include this as a reference when reporting issues.

   dateCreated   string   Entity creation timestamp. This will usually be allocated by the storage platform.

   dateModified   string   Timestamp of the last modification of the entity. This will usually be allocated by the storage platform.

   dateRetrieved   string   The date and time the information was retrieved in ISO8601 UTC format.

}

queryParams {

```
        portCode      string  max:5 chars
                               UN/LOCODE code for a port.
        companyVat    string   VAT number that identifies a company.
      }
    }
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
    code*          string  PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
    messageCode  string    Code error description.
    message*     string    Error description.
    timestamp    string    Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
    code*          string  PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
    messageCode  string    Code error description.
    message*     string    Error description.
    timestamp    string    Timestamp of error ocurrence.
}
```

9.4 GET /companyActivities

Get a list of all the possible activities for a company or governmental body.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
    companyActivities [enum]  ALLOWED:Port Authority, Harbour Master, Customs, Border
                              Control Post (BCP), Immigration, Container Depot,
                              Container Terminal, Container (CFS), General Cargo
                              Terminal, Multi Purpose Terminal, Liquid Cargo Terminal,
                              Bulk Cargo Terminal, Temperature Controlled Terminal,
                              Dangerous Cargo Warehouse, Passenger Terminal, Inland
                              Container Terminal, Liner Agent - Carrier, Railway
                              Undertaking, Haulier, Barge Carrier, Freight Forwarder,
                              Customs Broker, Stevedoring & Lashing, Tally, Ship
```

Supplier, Nautic-technic, Tug, Mooring, Shipyards &
Repair, Shipowner, Pilots, Research, Consulting, Port
Community System - PCS, IT-Service, Insurance, Container
Leasing, Railway Services, Railway Logistics Operator,
Other

Activity performed by a company or a governmental body.

The following list include most of the activities and, if it is not included, `Other` must be selected:
* `Port Authority`
* `Harbour Master`
* `Customs`
* `Border Control Post (BCP)`
* `Immigration`
* `Container Depot`
* `Container Terminal`
* `Container (CFS)`
* `General Cargo Terminal`
* `Multi Purpose Terminal`
* `Liquid Cargo Terminal`
* `Bulk Cargo Terminal`
* `Temperature Controlled Terminal`
* `Dangerous Cargo Warehouse`
* `Passenger Terminal`
* `Inland Container Terminal`
* `Liner Agent - Carrier`
* `Railway Undertaking`
* `Haulier`
* `Barge Carrier`
* `Freight Forwarder`
* `Customs Broker`
* `Stevedoring & Lashing`
* `Tally`
* `Ship Supplier`
* `Nautic-technic`
* `Tug`
* `Mooring`
* `Shipyards & Repair`
* `Shipowner`
* `Pilots`
* `Research`
* `Consulting`
* `Port Community System - PCS`
* `IT-Service`
* `Insurance`
* `Container Leasing`
* `Railway Services`
* `Railway Logistics Operator`
* `Other`

```
metadata {
```
Metadata information associated to a response.

requestId	string	The unique identifier of the request. Include this as a reference when reporting issues.
dateCreated	string	Entity creation timestamp. This will usually be allocated by the storage platform.
dateModified	string	Timestamp of the last modification of the entity. This will usually be allocated by the storage platform.
dateRetrieved	string	The date and time the information was retrieved in ISO8601 UTC format.

```
}
queryParams {
   portCode  string  max:5 chars
```
UN/LOCODE code for a port.

```
}
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
```
Error body

code*	string	PATTERN:/([1-5][0-9]{2})/
		HTML response status code.
messageCode	string	Code error description.

```
        message*       string   Error description.
        timestamp      string   Timestamp of error ocurrence.
    }
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
    {
    Error body
        code*          string   PATTERN:/([1-5][0-9]{2})/
                                HTML response status code.
        messageCode    string   Code error description.
        message*       string   Error description.
        timestamp      string   Timestamp of error ocurrence.
    }
```

10. PORT INFRASTRUCTURE

APIs related to the infrastructures of a port.

10.1 GET /portInfrastructure

Returns a list of basic data of the infrastructure of a port.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
    portInfrastructure [{
    Array of object: List of main attibutes from the infrastructure of a port.

        portName*                   string   max:35 chars
                                             Port name.
        portCode                    string   max:5 chars
                                             UN/LOCODE code for a port.
        portCoordinates {
        Either of the two lines of latitude and longitude whose intersection determines the geographical point of a place.

            latitude    number   Latitude of a point.
            longitude   number   Longitude of a point
        }
        totalPortArea               integer   The total area expressed in hectares (ha).
        totalBerthLength            integer   Berth length expressed in meters (m).
        totalCoveredWarehouses      integer   The total area of the covered warehouses in square meters.
    }]
    metadata {
    Metadata information associated to a response.

        requestId      string   The unique identifier of the request. Include this as a reference when reporting issues.
        dateCreated    string   Entity creation timestamp. This will usually be allocated by the storage platform.
        dateModified   string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                                platform.
        dateRetrieved  string   The date and time the information was retrieved in ISO8601 UTC format.
    }
    queryParams {
        portCode   string   max:5 chars
                            UN/LOCODE code for a port.
    }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
```

```
    code*            string    PATTERN:/([1-5][0-9]{2})/
                               HTML response status code.
    messageCode  string    Code error description.
    message*         string    Error description.
    timestamp        string    Timestamp of error ocurrence.
  }
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
    code*            string    PATTERN:/([1-5][0-9]{2})/
                               HTML response status code.
    messageCode  string    Code error description.
    message*         string    Error description.
    timestamp        string    Timestamp of error ocurrence.
  }
```

10.2 GET /portGates

Information about the mainland port accesses.

This GET API returns the list of port gates from a port.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
  portGates [{
  Array of object:  Attributes of an access gate.

    gateName          string    Gate name.
    gateCoordinates {
    Either of the two lines of latitude and longitude whose intersection determines the geographical point of a place.

      latitude      number    Latitude of a point.
      longitude     number    Longitude of a point
    }
    flowDirection  enum      ALLOWED:outwards, inwards, both
                             Flow direction (inwards, outwards) is determined by reference to the reporting port/terminal:
                             "inwards" means "arriving at the port/terminal", "outwards" means "leaving the port/terminal". It is
                             also possible to choose "both" directions.
    vehicleTypes   enum      ALLOWED:Cars, Trucks, Both, Trains
                             Type of vehicles from the point of view of their structural characteristics.
                             * `Cars`
                             * `Trucks`
                             * `Both` - Trucks and cars
                             * `Trains`
  }]
  metadata {
```

Metadata information associated to a response.

```
      requestId      string  The unique identifier of the request. Include this as a reference when reporting issues.
      dateCreated    string  Entity creation timestamp. This will usually be allocated by the storage platform.
      dateModified   string  Timestamp of the last modification of the entity. This will usually be allocated by the storage
                             platform.
      dateRetrieved  string  The date and time the information was retrieved in ISO8601 UTC format.
    }
    queryParams {
      portCode  string  max:5 chars
                        UN/LOCODE code for a port.
    }
  }
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
    code*         string  PATTERN:/([1-5][0-9]{2})/
                          HTML response status code.
    messageCode   string  Code error description.
    message*      string  Error description.
    timestamp     string  Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
    code*         string  PATTERN:/([1-5][0-9]{2})/
                          HTML response status code.
    messageCode   string  Code error description.
    message*      string  Error description.
    timestamp     string  Timestamp of error ocurrence.
}
```

10.3 GET /berths

Information about the berths of a port

List of the berths from a port.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
  berths [{
```

Array of object: Identification of a berth from a port.

    `berthCode`   `string`   Code assigned to a berth of a port.
    `berthName`   `string`   Berth name.
    `berthCoordinates {`
    Either of the two lines of latitude and longitude whose intersection determines the geographical point of a place.

      `latitude`   `number`   Latitude of a point.
      `longitude` `number`   Longitude of a point
    `}`
    `berthLength` `integer` Berth length expressed in meters (m).
    `berthDepth`   `number`   Bathymetric information. Depth expessed in meters. It must be expressed with positive values.
  `}]`
  `metadata {`
  Metadata information associated to a response.

    `requestId`   `string`   The unique identifier of the request. Include this as a reference when reporting issues.
    `dateCreated`   `string`   Entity creation timestamp. This will usually be allocated by the storage platform.
    `dateModified`   `string`   Timestamp of the last modification of the entity. This will usually be allocated by the storage platform.
    `dateRetrieved` `string`   The date and time the information was retrieved in ISO8601 UTC format.
  `}`
  `queryParams {`
    `portCode` `string` `max:5 chars`
                    UN/LOCODE code for a port.
  `}`
`}`

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

`{`
Error body

  `code*`   `string` **PATTERN:**`/([1-5][0-9]{2})/`
                     HTML response status code.
  `messageCode` `string` Code error description.
  `message*`   `string` Error description.
  `timestamp`   `string` Timestamp of error ocurrence.
`}`

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

`{`
Error body

  `code*`   `string` **PATTERN:**`/([1-5][0-9]{2})/`
                     HTML response status code.
  `messageCode` `string` Code error description.
  `message*`   `string` Error description.
  `timestamp`   `string` Timestamp of error ocurrence.
`}`

10.4 GET /portTerminals

Information about the maritime terminals of a port

List of the maritime terminals from a port.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
  portTerminals [{
```
Array of object: Multifunctional logistics complex providing a full range of services for handling cargo.

terminalName*	string	Terminal name.
terminalCode	string	min:10 chars
		Port facility number. GISIS code assigned by IMO to a facility from a port.
totalArea	integer	The total area expressed in hectares (ha).
coveredWarehouses	integer	The total area of the covered warehouses in square meters.

```
    terminalGates [{
```
Array of object: Attributes of an access gate.

gateName   string   Gate name.

```
    gateCoordinates {
```
Either of the two lines of latitude and longitude whose intersection determines the geographical point of a place.

latitude   number   Latitude of a point.
longitude number   Longitude of a point
```
    }
```
flowDirection   enum   **ALLOWED:**outwards, inwards, both

Flow direction (inwards, outwards) is determined by reference to the reporting port/terminal: "inwards" means "arriving at the port/terminal", "outwards" means "leaving the port/terminal". It is also possible to choose "both" directions.

vehicleTypes   enum   **ALLOWED:**Cars, Trucks, Both, Trains

Type of vehicles from the point of view of their structural characteristics.
* `Cars`
* `Trucks`
* `Both` - Trucks and cars
* `Trains`

```
    }]
  berths [{
```
Array of object: Identification of a berth from a port.

berthCode   string   Code assigned to a berth of a port.
berthName   string   Berth name.

```
    berthCoordinates {
```
Either of the two lines of latitude and longitude whose intersection determines the geographical point of a place.

latitude   number   Latitude of a point.
longitude   number   Longitude of a point
```
    }
```
berthLength   integer   Berth length expressed in meters (m).
berthDepth   number   Bathymetric information. Depth expessed in meters. It must be expressed with positive values.

```
    }]
  }]
  metadata {
```
Metadata information associated to a response.

requestId   string   The unique identifier of the request. Include this as a reference when reporting issues.
dateCreated   string   Entity creation timestamp. This will usually be allocated by the storage platform.
dateModified string   Timestamp of the last modification of the entity. This will usually be allocated by the storage platform.
dateRetrieved string   The date and time the information was retrieved in ISO8601 UTC format.

```
  }
```

```
      queryParams {
        portCode  string  max:5 chars
                          UN/LOCODE code for a port.
      }
    }
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
    code*          string  PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
    messageCode  string  Code error description.
    message*       string  Error description.
    timestamp      string  Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
    code*          string  PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
    messageCode  string  Code error description.
    message*       string  Error description.
    timestamp      string  Timestamp of error ocurrence.
}
```

10.5 GET /railTerminals

Information on all the rail terminals and loading tracks of a port

List of the rail terminals and loading tracks from a port. Rail facilities are caracterized because they have rail bundles of up to 10 rail tracks with lengths of a maximum of 800 meters per track. They are equipped to allow simultaneous batch exchanges (direct transshipment) through the use of rail-mounted gantry cranes that stretch over the rail bundles.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
    railTerminals [{
    Array of object:  Attributes of a rail terminal facility.
        railTerminalName*  string  Name of a railway terminal.
        railTerminalCode   string  Code that identifies a railway terminal.
        freightType         enum    ALLOWED:Solid bulk, Liquid bulk, Roll-on / roll-off,
                                            Breakbulk, Containers
```

Type of freight.
* `Solid bulk`
* `Liquid bulk`
* `Roll-on / roll-off`
* `Breakbulk`
* `Containers`

```
        coordinates {
        Either of the two lines of latitude and longitude whose intersection determines the geographical point of a place.

            latitude    number  Latitude of a point.
            longitude   number  Longitude of a point
        }
        railBundles             integer  The number of rail tracks in a facility.
        trackMaximumLength      integer  The maximum length of a rail track of a facility, expressed in meters.
        trackGauges             [enum]   ALLOWED:Standard gauge - UIC, Iberian gauge, Metre
                                         gauge

                                         Distance between the inside surfaces of the two load-bearing rails of a railway track.
                                         * `Standard gauge - UIC` 1,435 mm
                                         * `Iberian gauge` 1,668 mm
                                         * `Metre gauge` 1,000 mm

        gantryCranes            integer  THe number of gantry cranes of a facility.
    }]
    metadata {
    Metadata information associated to a response.

        requestId       string  The unique identifier of the request. Include this as a reference when reporting issues.
        dateCreated     string  Entity creation timestamp. This will usually be allocated by the storage platform.
        dateModified    string  Timestamp of the last modification of the entity. This will usually be allocated by the storage
                                platform.
        dateRetrieved   string  The date and time the information was retrieved in ISO8601 UTC format.
    }
    queryParams {
        portCode  string  max:5 chars
                                UN/LOCODE code for a port.

    }
  }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body

    code*        string  PATTERN:/([1-5][0-9]{2})/
                                HTML response status code.
    messageCode  string  Code error description.
    message*     string  Error description.
    timestamp    string  Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body

    code*        string  PATTERN:/([1-5][0-9]{2})/
                                HTML response status code.
    messageCode  string  Code error description.
    message*     string  Error description.
    timestamp    string  Timestamp of error ocurrence.
}
```

10.6 GET /marineAids

Marine aids to navigation

List of port marks in a specific port.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
  portMarks [{
```
Array of object: Buoys, Beacons and Marks, according to the IALA Buoyage System that includes five buoy types: cardinal, lateral, isolated danger, special and safe water marks.

markRegion enum ALLOWED:Region A, Region B

Mark region, according to the IALA/AISM Maritime Buoyage System and Other Aids to Navigation.
* In `Region A` red colour is used for port and green colour starboard.
* In `Region B` green colour is used for port and red colour starboard.

markType* enum ALLOWED:Lateral Marks, Cardinal Marks, Isolated Danger Mark, Safe Waters Mark, Marking New Dangers, Other Marks

Type of marks, according to the IALA/AISM Maritime Buoyage System and Other Aids to Navigation.
* `Lateral Marks`
* `Cardinal Marks`
* `Isolated Danger Mark`
* `Safe Waters Mark`
* `Marking New Dangers`
* `Other Marks`

markTop string The upper part of a mark. It can be one or two spheres, cilinders, cones or crosses.

markColour string Mark colour.

shapeOfBuoy string Distinctive shape for a mark identification.

```
  markLight {
```
Characteristics of a mark light.

colour enum ALLOWED:white, red, green, yellow, yellow/blue

Colour

rhythm string Rhythm of the light and dark periodes of a mark light.

```
  }
  coordinates* {
```
Either of the two lines of latitude and longitude whose intersection determines the geographical point of a place.

latitude number Latitude of a point.

longitude number Longitude of a point

```
  }
}]
metadata {
```
Metadata information associated to a response.

requestId string The unique identifier of the request. Include this as a reference when reporting issues.

dateCreated string Entity creation timestamp. This will usually be allocated by the storage platform.

dateModified string Timestamp of the last modification of the entity. This will usually be allocated by the storage platform.

dateRetrieved string The date and time the information was retrieved in ISO8601 UTC format.

```
}
queryParams {
  portCode  string  max:5 chars
```
UN/LOCODE code for a port.

```
}
```

}

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

{
Error body

    code*   string   **PATTERN:**/([1-5][0-9]{2})/
                                    HTML response status code.

    messageCode string   Code error description.
    message*   string   Error description.
    timestamp   string   Timestamp of error ocurrence.

}

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

{
Error body

    code*   string   **PATTERN:**/([1-5][0-9]{2})/
                                    HTML response status code.

    messageCode string   Code error description.
    message*   string   Error description.
    timestamp   string   Timestamp of error ocurrence.

}

10.7 GET /bathymetry

Bathymetric data from channels and berths.

Data from the regular hydrographic surveis that are being performed at ports.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

{
   batymetry [{
  Array of object: Depth in a singular point of the port waters.

      singularPoint

        ONE OF
        OPTION 1 {
           berthCode   string   Code assigned to a berth of a port.
           berthName   string   Berth name.
           berthCoordinates {
          Either of the two lines of latitude and longitude whose intersection determines the geographical point of a place.

              latitude   number   Latitude of a point.
              longitude number   Longitude of a point

```
        }
        berthLength  integer  Berth length expressed in meters (m).
        berthDepth   number   Bathymetric information. Depth expessed in meters. It must be expressed with positive values.
    }
      OPTION 2 {
        code*                string           Code assigned to a port channel.
        description          string           Channel name.
        channelCoordinates {
        Either of the two lines of latitude and longitude whose intersection determines the geographical point of a place.

          latitude   number   Latitude of a point.
          longitude  number   Longitude of a point
        }
    }
    underwaterDepth*  number   Bathymetric information. Depth expessed in meters. It must be expressed with positive values.
  }]
  metadata {
  Metadata information associated to a response.

    requestId     string   The unique identifier of the request. Include this as a reference when reporting issues.
    dateCreated   string   Entity creation timestamp. This will usually be allocated by the storage platform.
    dateModified  string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                           platform.
    dateRetrieved string   The date and time the information was retrieved in ISO8601 UTC format.
  }
  queryParams {
    portCode  string  max:5 chars
                      UN/LOCODE code for a port.
  }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body

  code*        string  PATTERN:/([1-5][0-9]{2})/
                       HTML response status code.
  messageCode  string  Code error description.
  message*     string  Error description.
  timestamp    string  Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body

  code*        string  PATTERN:/([1-5][0-9]{2})/
                       HTML response status code.
  messageCode  string  Code error description.
  message*     string  Error description.
  timestamp    string  Timestamp of error ocurrence.
}
```

11. PORT PROCEDURES

APIs related to the documentary procedures of a port.

11.1 GET /customsClearanceProcedures

Returns a resource where the procedures for clearing the goods in import can be found.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
    customsClearanceProcedures {
```
URI where a customs clearance procedure from a port can be found.

customsClearanceDescription enum ALLOWED:All shipments of goods entering the European Union from third countries are subject to Customs controls. All goods may be subject to the presentation of several documents and payments, as the payment of Customs duties based on the content of the shipment, payment of national taxes (VAT) or local taxes where applicable, payment of special taxes on tobacco, alcohol, etc., the cost of processing of Single Administrative Document (SAD) for imports, the costs arising from border safety controls, depending on the nature of the shipment (sanitary, pharmaceutical, veterinary, etc.). As a part of the customs clearance process, customs can carry out documentary or physical inspections, and those can be carried out inside the cargo terminals, at the terminal yard or in a warehouse, but they can also inspect containers, platforms or trucks using a non-intrusive technology as an X-ray scanner. It is the recipient's responsibility to know the conditions for importing their shipment (prohibitions, restrictions, limitations, etc.) and to find out what documents may be required on arrival, including the commercial invoice, certificate of origin, licences and special authorisations for border controls, etc.

Procedure description

customsClearanceUri* string Uniform Resource Identifier (URI). A unique sequence of characters that

```
    }
    metadata {
```
Metadata information associated to a response.

requestId	string	The unique identifier of the request. Include this as a reference when reporting issues.
dateCreated	string	Entity creation timestamp. This will usually be allocated by the storage platform.
dateModified	string	Timestamp of the last modification of the entity. This will usually be allocated by the storage platform.
dateRetrieved	string	The date and time the information was retrieved in ISO8601 UTC format.

```
    }
    queryParams {
      portCode   string   max:5 chars
```
UN/LOCODE code for a port.
```
    }
  }
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
```
Error body

code*	string	PATTERN:/([1-5][0-9]{2})/ HTML response status code.
messageCode	string	Code error description.
message*	string	Error description.
timestamp	string	Timestamp of error ocurrence.

```
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
```
Error body

code*	string	PATTERN:/([1-5][0-9]{2})/ HTML response status code.
messageCode	string	Code error description.
message*	string	Error description.
timestamp	string	Timestamp of error ocurrence.

```
}
```

11.2 GET /borderInspectionProcedures

Returns a resource where the procedures for clearing the goods subject to controls from the border inspection services can be found.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
  borderInspectionProcedures {
```
URI where a border inspection procedure from a port can be found.
```
      borderInspectionDescription  enum    ALLOWED:The border inspection post (BIP) is a
                                                   controlled and authorised station for customs
                                                   and sanitary controls of goods. Physical and
                                                   documentary inspections are carried out at
                                                   these posts as well as analysis of samples. A
                                                   Border Control Post is an inspection post
                                                   designated and approved in line with EU
                                                   legislation for carrying out checks on
                                                   animals and animal products arriving from
                                                   third countries at a European Union border.
                                                   These checks are carried out to protect
                                                   animal and public health, and animal welfare.
                                                   As a part of the border clearance process,
                                                   border inspection services can carry out
                                                   documentary or physical inspections, and
                                                   those can be carried out inside the cargo
                                                   terminals but usually the physical
                                                   inspections are carried out at the Border
                                                   Inspection Posts (BIP), where coexist several
                                                   specific inspection areas as a designated
                                                   point of import (DPI), a designated point of
                                                   entry (DPE) or a border control post (BCP).
                                                   It is the recipient's responsibility to know
                                                   the conditions for importing their shipment
                                                   (prohibitions, restrictions, limitations,
                                                   etc.) and to find out what documents may be
                                                   required on arrival, including the commercial
                                                   invoice, certificate of origin, licences and
                                                   special certifications for border controls,
                                                   etc.
```
Procedure description
```
    borderInspectionUri*           string  Uniform Resource Identifier (URI). A unique sequence of characters that
                                           identifies a logical or physical resource used by web technologies.
  }
  metadata {
```
Metadata information associated to a response.
```
    requestId       string   The unique identifier of the request. Include this as a reference when reporting issues.
    dateCreated     string   Entity creation timestamp. This will usually be allocated by the storage platform.
    dateModified    string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                             platform.
    dateRetrieved   string   The date and time the information was retrieved in ISO8601 UTC format.
  }
  queryParams {
    portCode  string  max:5 chars
```
UN/LOCODE code for a port.
```
  }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
```
Error body
```
  code*           string   PATTERN:/([1-5][0-9]{2})/
```
HTML response status code.
Code error description.

```
    messageCode   string
    message*      string   Error description.
    timestamp     string   Timestamp of error ocurrence.
  }
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
    code*         string   PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
    messageCode   string   Code error description.
    message*      string   Error description.
    timestamp     string   Timestamp of error ocurrence.
  }
```

11.3 GET /vgmProcedures

Returns a resource where the verified gross mass (VGM) procedures can be found.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
    vgmProcedures {
    URI where a VGM procedure from a port can be found.
        vgmProcedureDescription   enum   ALLOWED:As the International Maritime Organisation
                                         (IMO) declare: *"discrepancies between the
                                         declared gross mass and the actual gross mass of
                                         a packed container could have an adverse impact
                                         on the safety of the ship, seafarers and shore-
                                         side workers, by leading to incorrect vessel
                                         stowage decisions and potentially collapsed
                                         container stacks or loss of containers
                                         overboard"*. The IMO established a requirement
                                         that packed containers must be weighed to obtain
                                         their actual gross mass prior to vessel loading.
                                         This requirement is included in the Guidelines
                                         regarding the verified gross mass of a container
                                         carrying cargo (MSC.1/Circ.1475) and the adoption
                                         of amendment to SOLAS regulation VI/2 requires
                                         the mandatory verification of the gross mass of
                                         packed containers (resolution MSC.380(94)). The
                                         aforementioned SOLAS amendments introduce two
                                         main new requirements:  1. the shipper is
```

responsible for providing the verified weight by stating it in the shipping document and submitting it to the master or his representative and to the terminal representative sufficiently in advance to be used in the preparation of the ship stowage plan; and 2. the verified gross mass is a condition for loading a packed container onto a ship. A prerequisite for the container to be loaded onto a ship to which the SOLAS regulations apply is the availability of the verified gross mass of a packed container sufficiently in advance to the terminal representative and to the master or his representative to be used in the ship stowage plan. However, it does not constitute an entitlement for loading, because the master retains ultimate discretion in deciding whether to accept a packed container for loading onto his ship. The verification of the gross mass can be achieved by either of two methods: 1. weighing the packed container; or 2. weighing all packages and cargo items, including the mass of pallets, dunnage and other securing material to be packed in the container and adding the tare mass of the container to the sum of the single masses, using a certified method approved by the competent authority of the State in which packing of the container was completed.

Procedure description

```
      vgmProcedureUri*          string  Uniform Resource Identifier (URI). A unique sequence of characters that identifies a
                                        logical or physical resource used by web technologies.
  }
  metadata {
  Metadata information associated to a response.

      requestId         string  The unique identifier of the request. Include this as a reference when reporting issues.
      dateCreated       string  Entity creation timestamp. This will usually be allocated by the storage platform.
      dateModified      string  Timestamp of the last modification of the entity. This will usually be allocated by the storage
                                platform.
      dateRetrieved     string  The date and time the information was retrieved in ISO8601 UTC format.
  }
  queryParams {
      portCode  string  max:5 chars
                                UN/LOCODE code for a port.
  }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body

    code*           string  PATTERN:/([1-5][0-9]{2})/
                                    HTML response status code.
    messageCode     string  Code error description.
    message*        string  Error description.
    timestamp       string  Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
    code*           string   PATTERN:/([1-5][0-9]{2})/
                             HTML response status code.
    messageCode  string   Code error description.
    message*        string   Error description.
    timestamp      string   Timestamp of error ocurrence.
}
```

11.4 GET /containerTareWeight

Returns the tare weight of a given container.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
containerNumber	string max:11 chars	Container number as is described in ISO6346.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
    containerTareWeight {
    Tare weight of a container.
        containerNumber  string   max:11 chars
                                  Container number following the identification system described in clause 3 of the ISO6346:1995
                                  standard.
        equipmentTare*   integer  Tare of a unit of equipment, expressed in kilograms (kg).
        iso6346          string   max:4 chars
                                  Size and type codes of a container, used as a whole. Size codes are determined by annex D of
                                  ISO 6346:1995 and type codes according to annex E of the same international standard.
    }
    metadata {
    Metadata information associated to a response.
        requestId       string   The unique identifier of the request. Include this as a reference when reporting issues.
        dateCreated     string   Entity creation timestamp. This will usually be allocated by the storage platform.
        dateModified    string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                                  platform.
        dateRetrieved   string   The date and time the information was retrieved in ISO8601 UTC format.
    }
    queryParams {
        containerNumber  string   max:11 chars
                                  Container number following the identification system described in clause 3 of the ISO6346:1995
                                  standard.
    }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
```

```
      code*          string   PATTERN:/([1-5][0-9]{2})/
                              HTML response status code.
      messageCode    string   Code error description.
      message*       string   Error description.
      timestamp      string   Timestamp of error ocurrence.
   }
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
   {
   Error body
      code*          string   PATTERN:/([1-5][0-9]{2})/
                              HTML response status code.
      messageCode    string   Code error description.
      message*       string   Error description.
      timestamp      string   Timestamp of error ocurrence.
   }
```

11.5 GET /qualityCertificationProcedures

Returns a resource where the quality certification procedures from a port can be found.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
   qualityCertificationProcedures {
   URI where the quality certification procedure from a port can be found.

      qualityCertificationDescription  enum   ALLOWED:Several ports have developed own
                                              brands for their quality label schemas.
                                              There are some ports that every day
                                              manage the transportation of thousands of
                                              shipments. And the job of each port is to
                                              treat each one as it was the only one. To
                                              ensure that each shipment receives the
                                              treatment it deserves, some ports have
                                              created a quality brand that identifies
                                              the companies operating at that port that
                                              had adopted a commitment to efficiency
                                              the end customers with the utmost
                                              satisfaction. With this quality level the
                                              ports recognise and certify organisations
                                              involved and commited to the most
                                              rigorous standards of reliability.
                                              Procedure description
                                              Uniform Resource Identifier (URI). A unique sequence of characters
```

```
            qualityCertificationUri*            string    that identifies a logical or physical resource used by web technologies.
        }
      metadata {
      Metadata information associated to a response.
            requestId         string    The unique identifier of the request. Include this as a reference when reporting issues.
            dateCreated       string    Entity creation timestamp. This will usually be allocated by the storage platform.
            dateModified      string    Timestamp of the last modification of the entity. This will usually be allocated by the storage
                                        platform.
            dateRetrieved  string    The date and time the information was retrieved in ISO8601 UTC format.
        }
      queryParams {
            portCode  string  max:5 chars
                              UN/LOCODE code for a port.
        }
    }
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
    code*         string   PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
    messageCode  string   Code error description.
    message*      string   Error description.
    timestamp     string   Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
    code*         string   PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
    messageCode  string   Code error description.
    message*      string   Error description.
    timestamp     string   Timestamp of error ocurrence.
}
```

11.6 GET /qualityCertifiedPartners

List of companies that have been certified by the quality seal managers of a port.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
    qualityCertifiedPartners [{
    Array of object:  Information about companies and governmental bobies that have been certified with the quality level of a port.

    }]
    metadata {
    Metadata information associated to a response.

        requestId        string    The unique identifier of the request. Include this as a reference when reporting issues.
        dateCreated      string    Entity creation timestamp. This will usually be allocated by the storage platform.
        dateModified     string    Timestamp of the last modification of the entity. This will usually be allocated by the storage
                                   platform.
        dateRetrieved    string    The date and time the information was retrieved in ISO8601 UTC format.
    }
    queryParams {
        portCode  string  max:5 chars
                          UN/LOCODE code for a port.

    }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
    code*          string   PATTERN:/([1-5][0-9]{2})/
                            HTML response status code.
    messageCode    string   Code error description.
    message*       string   Error description.
    timestamp      string   Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
    code*          string   PATTERN:/([1-5][0-9]{2})/
                            HTML response status code.
    messageCode    string   Code error description.
    message*       string   Error description.
    timestamp      string   Timestamp of error ocurrence.
}
```

11.7 GET /partnerActivities

List of possible activities of a partner.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
    partnerActivities  [enum]  ALLOWED:Port Authority, Harbour Master, Customs, Border
                               Control Post (BCP), Immigration, Container Depot,
                               Container Terminal, Container (CFS), General Cargo
                               Terminal, Multi Purpose Terminal, Liquid Cargo Terminal,
                               Bulk Cargo Terminal, Temperature Controlled Terminal,
                               Dangerous Cargo Warehouse, Passenger Terminal, Inland
                               Container Terminal, Liner Agent - Carrier, Railway
                               Undertaking, Haulier, Barge Carrier, Freight Forwarder,
                               Customs Broker, Stevedoring & Lashing, Tally, Ship
                               Supplier, Nautic-technic, Tug, Mooring, Shipyards &
                               Repair, Shipowner, Pilots, Research, Consulting, Port
                               Community System - PCS, IT-Service, Insurance, Container
                               Leasing, Railway Services, Railway Logistics Operator,
                               Other
```

Activity performed by a company or a governmental body.

The following list include most of the activities and, if it is not included, `Other` must be selected:
* `Port Authority`
* `Harbour Master`
* `Customs`
* `Border Control Post (BCP)`
* `Immigration`
* `Container Depot`
* `Container Terminal`
* `Container (CFS)`
* `General Cargo Terminal`
* `Multi Purpose Terminal`
* `Liquid Cargo Terminal`
* `Bulk Cargo Terminal`
* `Temperature Controlled Terminal`
* `Dangerous Cargo Warehouse`
* `Passenger Terminal`
* `Inland Container Terminal`
* `Liner Agent - Carrier`
* `Railway Undertaking`
* `Haulier`
* `Barge Carrier`
* `Freight Forwarder`
* `Customs Broker`
* `Stevedoring & Lashing`
* `Tally`
* `Ship Supplier`
* `Nautic-technic`
* `Tug`
* `Mooring`
* `Shipyards & Repair`
* `Shipowner`
* `Pilots`
* `Research`
* `Consulting`
* `Port Community System - PCS`
* `IT-Service`
* `Insurance`
* `Container Leasing`
* `Railway Services`
* `Railway Logistics Operator`
* `Other`

```
    metadata {
```
Metadata information associated to a response.

```
        requestId      string   The unique identifier of the request. Include this as a reference when reporting issues.
        dateCreated    string   Entity creation timestamp. This will usually be allocated by the storage platform.
        dateModified   string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                                platform.
        dateRetrieved  string   The date and time the information was retrieved in ISO8601 UTC format.
    }
    queryParams {
        portCode  string  max:5 chars
                          UN/LOCODE code for a port.
```

```
        }
    }
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
    code*          string   PATTERN:/([1-5][0-9]{2})/
                            HTML response status code.
    messageCode  string     Code error description.
    message*       string   Error description.
    timestamp      string   Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
    code*          string   PATTERN:/([1-5][0-9]{2})/
                            HTML response status code.
    messageCode  string     Code error description.
    message*       string   Error description.
    timestamp      string   Timestamp of error ocurrence.
}
```

11.8 GET /pickupDeliveryProcedures

Returns a resource where the procedures for for pick-up or delivery containers from/to the terminal or depot can be found.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
    pickupDeliveryProcedures {
    URI where the pick up and delivery procedure from a port can be found.

        pickupDeliveryProcedureDescription  enum   ALLOWED:Container traffic has a big
                                                   economic impact in ports and the area
                                                   that they serve. Logistic operators
                                                   need to know the procedures that they
                                                   have to follow for pick-up containes
                                                   from a port or to delivery them. In
                                                   this domain are included some APIs
                                                   related with the information exchanged
                                                   using the EDI messages for land
                                                   operations with full and empty
```

Procedure description

pickupDeliveryProcedureUri*   string   Uniform Resource Identifier (URI). A unique sequence of characters that identifies a logical or physical resource used by web technologies.

```
    }
    metadata {
```
Metadata information associated to a response.

```
        requestId      string   The unique identifier of the request. Include this as a reference when reporting issues.
        dateCreated    string   Entity creation timestamp. This will usually be allocated by the storage platform.
        dateModified   string   Timestamp of the last modification of the entity. This will usually be allocated by the storage platform.
        dateRetrieved  string   The date and time the information was retrieved in ISO8601 UTC format.
    }
    queryParams {
        portCode  string  max:5 chars
```
UN/LOCODE code for a port.

```
    }
  }
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
```
Error body

```
    code*          string   PATTERN:/([1-5][0-9]{2})/
```
HTML response status code.

```
    messageCode  string   Code error description.
    message*     string   Error description.
    timestamp    string   Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
```
Error body

```
    code*          string   PATTERN:/([1-5][0-9]{2})/
```
HTML response status code.

```
    messageCode  string   Code error description.
    message*     string   Error description.
    timestamp    string   Timestamp of error ocurrence.
}
```

11.9 GET /approachInstructions

Returns a resource where basic information for the approach of the vessels to a port can be found.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
    approachInstructions {
    Basic information for the approach of the vessels to a port.
        portName*              string      max:35 chars
                                           Port name.
        entrances              [string]    Identification of a port entrance.
        approachChannels       [string]    Identification of an approach channel.
        precautionaryAreas     [string]    Identification of a precautionary area.
        portTraffic            [string]    Identification of a port traffic service.
        emergency              [string]    Emergency contact.
        specialOperations      [string]    Identification of a special operations service.
        pilotage               [string]    Information about pilotage service.
        tugs                   [string]    Information about tugs service.
        linesmen               [string]    Information about linesmen service.
        lastChanges            [string]    Details about the last changes.
    }
    metadata {
    Metadata information associated to a response.
        requestId      string   The unique identifier of the request. Include this as a reference when reporting issues.
        dateCreated    string   Entity creation timestamp. This will usually be allocated by the storage platform.
        dateModified   string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                                platform.
        dateRetrieved  string   The date and time the information was retrieved in ISO8601 UTC format.
    }
    queryParams {
        portCode  string  max:5 chars
                          UN/LOCODE code for a port.
    }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
    code*          string   PATTERN:/([1-5][0-9]{2})/
                            HTML response status code.
    messageCode  string   Code error description.
    message*       string   Error description.
    timestamp      string   Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
    code*          string   PATTERN:/([1-5][0-9]{2})/
                            HTML response status code.
    messageCode  string   Code error description.
    message*       string   Error description.
    timestamp      string   Timestamp of error ocurrence.
}
```

12. PORT SERVICES

APIs related to the port services from a port.

12.1 GET /shipServices

Returns a list of port services that can be ordered for a ship. Eg. bunkering, marpol, mooring, pilots, tugs,...

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.
shipServiceType	enum **ALLOWED:** Stevedoring & Lashing, Tally, Ship Supplier, Nautic-technic, Tug, Mooring	Type of ship service.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
  shipServices [{
```
Array of object: Information about a port service that can be ordered for a ship.

```
    shipService*        enum      ALLOWED: Stevedoring & Lashing, Tally, Ship Supplier,
                                  Nautic-technic, Tug, Mooring
```
Type of ship service.

```
    companyName         string    Company name.
    contactInfo         string    email or phone
    servedShipTypes     [enum]    max:2 chars
                                  ALLOWED: 10, 20, 31, 32, 33, 34, 35, 36, 41, 42, 43, 49, XX
```
The type of the ship. The value is populated using the 2-character code from Annex VI from DIRECTIVE 2009/42/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 6 May 2009 on statistical returns in respect of the carriage of goods and passengers by sea.

* `10` Liquid bulk (Oil tanker, Chemical tanker, LG tanker, Tanker barge, Other tanker)
* `20` Dry bulk (Bulk/oil carrier, Bulk carrier)
* `31` Container (Full container)
* `32` Specialised (Barge carrier, Chemical carrier, Irradiated fuel, Livestock carrier, Vehicle carrier, Other specialised)
* `33` General cargo, non-specialised (Reefer, Ro-ro passenger, Ro-ro container, Other ro-ro cargo,Combination carrier general cargo/passenger, Combination carrier general cargo/container, Single-decker, Multi-decker)
* `34` Dry cargo barge (Deck barge, Hopper barge, Lash-seabee barge, Open dry cargo barge, Covered dry cargo barge, Other dry cargo barge nes)
* `35` Passenger (Passenger, excluding cruise passengers)
* `36` Cruise Passenger (Cruise ships only)
* `41` Fishing (Fish catching, Fish processing)
* `42` Offshore activities (Drilling and exploration, Offshore support)
* `43` Tugs (Tugs, Pusher craft)
* `49` Miscellaneous Dredgers (Research/survey, Other vessel nes)
* `XX` Unknown Unknown type of vessel

```
  }]
  metadata {
```
Metadata information associated to a response.

```
    requestId       string    The unique identifier of the request. Include this as a reference when reporting issues.
    dateCreated     string    Entity creation timestamp. This will usually be allocated by the storage platform.
    dateModified    string    Timestamp of the last modification of the entity. This will usually be allocated by the storage
```

```
                                      platform.
        dateRetrieved  string    The date and time the information was retrieved in ISO8601 UTC format.
    }
    queryParams {
        portCode          string  max:5 chars
                                    UN/LOCODE code for a port.
        shipServiceType enum     ALLOWED:Stevedoring & Lashing, Tally, Ship Supplier,
                                  Nautic-technic, Tug, Mooring
                                    Type of ship service.
    }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
    code*          string  PATTERN:/([1-5][0-9]{2})/
                                    HTML response status code.
    messageCode  string    Code error description.
    message*      string    Error description.
    timestamp      string    Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
    code*          string  PATTERN:/([1-5][0-9]{2})/
                                    HTML response status code.
    messageCode  string    Code error description.
    message*      string    Error description.
    timestamp      string    Timestamp of error ocurrence.
}
```

12.2 GET /serviceTypes

Returns a list of different service types that are offered in a port.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
    activities  [enum]  ALLOWED:Port Authority, Harbour Master, Customs, Border Control
                        Post (BCP), Immigration, Container Depot, Container Terminal,
                        Container (CFS), General Cargo Terminal, Multi Purpose Terminal,
```

Liquid Cargo Terminal, Bulk Cargo Terminal, Temperature
Controlled Terminal, Dangerous Cargo Warehouse, Passenger
Terminal, Inland Container Terminal, Liner Agent - Carrier,
Railway Undertaking, Haulier, Barge Carrier, Freight Forwarder,
Customs Broker, Stevedoring & Lashing, Tally, Ship Supplier,
Nautic-technic, Tug, Mooring, Shipyards & Repair, Shipowner,
Pilots, Research, Consulting, Port Community System - PCS, IT-
Service, Insurance, Container Leasing, Railway Services, Railway
Logistics Operator, Other

Activity performed by a company or a governmental body.

The following list include most of the activities and, if it is not included, `Other` must be selected:
* `Port Authority`
* `Harbour Master`
* `Customs`
* `Border Control Post (BCP)`
* `Immigration`
* `Container Depot`
* `Container Terminal`
* `Container (CFS)`
* `General Cargo Terminal`
* `Multi Purpose Terminal`
* `Liquid Cargo Terminal`
* `Bulk Cargo Terminal`
* `Temperature Controlled Terminal`
* `Dangerous Cargo Warehouse`
* `Passenger Terminal`
* `Inland Container Terminal`
* `Liner Agent - Carrier`
* `Railway Undertaking`
* `Haulier`
* `Barge Carrier`
* `Freight Forwarder`
* `Customs Broker`
* `Stevedoring & Lashing`
* `Tally`
* `Ship Supplier`
* `Nautic-technic`
* `Tug`
* `Mooring`
* `Shipyards & Repair`
* `Shipowner`
* `Pilots`
* `Research`
* `Consulting`
* `Port Community System - PCS`
* `IT-Service`
* `Insurance`
* `Container Leasing`
* `Railway Services`
* `Railway Logistics Operator`
* `Other`

```
  metadata {
```
Metadata information associated to a response.

```
    requestId       string   The unique identifier of the request. Include this as a reference when reporting issues.
    dateCreated     string   Entity creation timestamp. This will usually be allocated by the storage platform.
    dateModified    string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                             platform.
    dateRetrieved   string   The date and time the information was retrieved in ISO8601 UTC format.
  }
  queryParams {
    portCode  string  max:5 chars
```
UN/LOCODE code for a port.
```
  }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
```

Error body

```
    code*          string  PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
    messageCode  string  Code error description.
    message*       string  Error description.
    timestamp      string  Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
```
Error body

```
    code*          string  PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
    messageCode  string  Code error description.
    message*       string  Error description.
    timestamp      string  Timestamp of error ocurrence.
}
```

13. RAIL TRANSPORT

APIs related to the flow of trains and cargo by rail in a port.

13.1 GET /railConnections

Returns a list of rail connections from a port.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
  railConnections [{
```
Array of object: Inland railway station connected to a port and logistic service provider that offers this service.

railService	string	Code that identifies a rail service.
railwayStationNearestCity	string	Name of the nearest city to a railway station.
railTerminalLocode	string	UN/LOCODE code of a rail terminal.
railTerminalCode	string	Code that identifies a railway terminal.
railTerminalName	string	Name of a railway terminal.
railDirection	enum	**ALLOWED:** UP, DOWN
		The direction of a train: * `UP` - Up or inbound is used for trains that are coming to a port. * `DOWN` - Down or outbound is used for trains that are leaving a port.
railLogisticServiceProvider	string	Name of the Rail Logistic Service Provider

```
  }]
  metadata {
```
Metadata information associated to a response.

requestId	string	The unique identifier of the request. Include this as a reference when reporting issues.
dateCreated	string	Entity creation timestamp. This will usually be allocated by the storage platform.
dateModified	string	Timestamp of the last modification of the entity. This will usually be allocated by the storage platform.
dateRetrieved	string	The date and time the information was retrieved in ISO8601 UTC format.

```
  }
  queryParams {
    portCode  string  max:5 chars
```
UN/LOCODE code for a port.
```
  }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
```
Error body

code*	string	**PATTERN:** /([1-5][0-9]{2})/
		HTML response status code. Code error description.

```
    messageCode   string
    message*      string   Error description.
    timestamp     string   Timestamp of error ocurrence.
  }
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
    code*          string   PATTERN:/([1-5][0-9]{2})/
                            HTML response status code.
    messageCode    string   Code error description.
    message*       string   Error description.
    timestamp      string   Timestamp of error ocurrence.
  }
```

13.2 GET /railInlandTerminals

Returns the list of the inland terminals served by rail from a port.

This GET API returns the list of the inland terminals served by rail from a port.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
    inlandTerminals [{
    Array of object:  Rail destinations served by one port
        locode              string  max:5 chars
                                    Code for identifying a location as specified in the UN/ECE Recommendation nº16 (UN/LOCODE)
        railTerminalCode    string  Code that identifies a railway terminal.
        railTerminalName    string  Name of a railway terminal.
    }]
    metadata {
    Metadata information associated to a response.
        requestId       string   The unique identifier of the request. Include this as a reference when reporting issues.
        dateCreated     string   Entity creation timestamp. This will usually be allocated by the storage platform.
        dateModified    string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                                 platform.
        dateRetrieved   string   The date and time the information was retrieved in ISO8601 UTC format.
    }
    queryParams {
        portCode  string  max:5 chars
                          UN/LOCODE code for a port.
    }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

{
Error body

    code*   string **PATTERN:**/([1-5][0-9]{2})/
                                   HTML response status code.
    messageCode string Code error description.
    message*   string Error description.
    timestamp   string Timestamp of error ocurrence.
}

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

{
Error body

    code*   string **PATTERN:**/([1-5][0-9]{2})/
                                   HTML response status code.
    messageCode string Code error description.
    message*   string Error description.
    timestamp   string Timestamp of error ocurrence.
}

13.3 GET /railwayUndertakings

List of the railway undertaking companies that operate in one port.

Returns a list of the rail undertaking companies that operate in a port.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

{
  railUndertakings [{
Array of object: The rail undertaking is the entity responsible for running the trains and must have a valid license that shows that is authorized to run the train.

    companyName* string Company name.
  }]
  metadata {
Metadata information associated to a response.

    requestId   string The unique identifier of the request. Include this as a reference when reporting issues.
    dateCreated   string Entity creation timestamp. This will usually be allocated by the storage platform.
    dateModified   string Timestamp of the last modification of the entity. This will usually be allocated by the storage platform.
    dateRetrieved string The date and time the information was retrieved in ISO8601 UTC format.
  }
  queryParams {

```
        portCode  string  max:5 chars
                              UN/LOCODE code for a port.
    }
  }
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
    code*           string  PATTERN:/([1-5][0-9]{2})/
                              HTML response status code.
    messageCode  string  Code error description.
    message*     string  Error description.
    timestamp    string  Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
    code*           string  PATTERN:/([1-5][0-9]{2})/
                              HTML response status code.
    messageCode  string  Code error description.
    message*     string  Error description.
    timestamp    string  Timestamp of error ocurrence.
}
```

13.4 GET /railLogisticServiceProviders

List of the rail logistic service providers that operate in one port.

Returns a list of the rail logistic service providers that operate in a port.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
    railLogisticServiceProviders [{
Array of object:  A Logistic Service Provider (LSP) is a provider of logistic services who provides the goods for transport (not necessarily the
owner of the goods). The LSP can be a freight forwarder, a shipping agent or a company dedicated exclussively to the rail transport of goods.

        companyName*  string  Company name.
    }]
    metadata {
Metadata information associated to a response.

        requestId       string  The unique identifier of the request. Include this as a reference when reporting issues.
        dateCreated  string  Entity creation timestamp. This will usually be allocated by the storage platform.
```

```
      dateModified    string    Timestamp of the last modification of the entity. This will usually be allocated by the storage
                                platform.
      dateRetrieved   string    The date and time the information was retrieved in ISO8601 UTC format.
    }
    queryParams {
      portCode  string  max:5 chars
                                UN/LOCODE code for a port.
    }
  }
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
    code*          string  PATTERN:/([1-5][0-9]{2})/
                                HTML response status code.
    messageCode   string  Code error description.
    message*      string  Error description.
    timestamp     string  Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
    code*          string  PATTERN:/([1-5][0-9]{2})/
                                HTML response status code.
    messageCode   string  Code error description.
    message*      string  Error description.
    timestamp     string  Timestamp of error ocurrence.
}
```

13.5 GET /trainArrivals

Returns a list of trains that have arrived or will arrive today at a port.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
  trainArrivals [{
  Array of object:  List of trains that have arrived or will arrive today.

    trainType*                enum       max:35 chars
                                         ALLOWED:Containers, Vehicles, Bulk, Tanker
                                         Train type. The value is one of the following enumeration:
                                         * `Containers`General cargo vesselVessel designed to carry general cargo.
```

* `Vehicles`Unit carrierVessel designed to carry unit loads
* `Bulk`Bulk carrierVessel designed to carry bulk cargo.
* `Tanker`TankerVessel solely equipped with tanks to carry cargo.

```
        placeOfDeparture* {
        Place of departure.

        }
        placeOfDestination* {
        Place of destination.

        }
        estimatedTimeOfArrival*  string  PATTERN:date-time
                                         The date and time the means of transport is estimated to arrive at a specified
                                         location (ETA), in ISO 8601 Date format.
        actualTimeOfArrival      string  The date and time the means of transport arrives at a specified location (ATA), in
                                         ISO 8601 Date format.
    }]
    metadata {
    Metadata information associated to a response.

        requestId      string  The unique identifier of the request. Include this as a reference when reporting issues.
        dateCreated    string  Entity creation timestamp. This will usually be allocated by the storage platform.
        dateModified   string  Timestamp of the last modification of the entity. This will usually be allocated by the storage
                               platform.
        dateRetrieved  string  The date and time the information was retrieved in ISO8601 UTC format.

    }
    queryParams {
        portCode  string  max:5 chars
                          UN/LOCODE code for a port.

    }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body

    code*          string  PATTERN:/([1-5][0-9]{2})/
                          HTML response status code.
    messageCode  string  Code error description.
    message*     string  Error description.
    timestamp    string  Timestamp of error ocurrence.

}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body

    code*          string  PATTERN:/([1-5][0-9]{2})/
                          HTML response status code.
    messageCode  string  Code error description.
    message*     string  Error description.
    timestamp    string  Timestamp of error ocurrence.

}
```

13.6 GET /trainDepartures

Returns a list of trains that have departed or will depart today from a port.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
   trainDepartures [{
```
Array of object: List of trains that have departed or will depart today.

```
      trainType*                    enum    max:35 chars
                                            ALLOWED:Containers, Vehicles, Bulk, Tanker
```
Train type. The value is one of the following enumeration:
* `Containers`General cargo vesselVessel designed to carry general cargo.
* `Vehicles`Unit carrierVessel designed to carry unit loads
* `Bulk`Bulk carrierVessel designed to carry bulk cargo.
* `Tanker`TankerVessel solely equipped with tanks to carry cargo.

```
      placeOfDeparture* {
```
Place of departure.
```
      }
      placeOfDestination* {
```
Place of destination.
```
      }
      estimatedTimeOfDeparture*  string   The date and time the means of transport is estimated to depart from a specified
                                          location (ETD), in ISO 8601 Date format.
      actualTimeOfDeparture      string   The date and time the means of transport departs from a specified location
                                          (ATD), in ISO 8601 Date format.
   }]
   metadata {
```
Metadata information associated to a response.
```
      requestId    string   The unique identifier of the request. Include this as a reference when reporting issues.
      dateCreated  string   Entity creation timestamp. This will usually be allocated by the storage platform.
      dateModified string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                            platform.
      dateRetrieved string  The date and time the information was retrieved in ISO8601 UTC format.
   }
   queryParams {
      portCode  string  max:5 chars
                        UN/LOCODE code for a port.
   }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
```
Error body
```
      code*        string   PATTERN:/([1-5][0-9]{2})/
                            HTML response status code.
      messageCode  string   Code error description.
      message*     string   Error description.
      timestamp    string   Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
```
Error body
```
  code*        string  PATTERN:/([1-5][0-9]{2})/
                        HTML response status code.
  messageCode  string  Code error description.
  message*     string  Error description.
  timestamp    string  Timestamp of error ocurrence.
}
```

RESPONSE MODEL - application/json

```
{
```
Error body
```
  code*        string  PATTERN:/([1-5][0-9]{2})/
                        HTML response status code.
  messageCode  string  Code error description.
```

14. RATES AND FEES

APIs related to the port rates and fees.

14.1 GET /portRatesAndFees

Returns the URL of the website where rates and fees from a port are published.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
   portRatesAndFees [{
   Array of object:  URI where a customs clearance procedure from a port can be found.

      ratesAndFeesUrl  string  Uniform Resource Identifier (URI). A unique sequence of characters that identifies a logical or
                               physical resource used by web technologies.
   }]
   metadata {
   Metadata information associated to a response.

      requestId      string  The unique identifier of the request. Include this as a reference when reporting issues.
      dateCreated    string  Entity creation timestamp. This will usually be allocated by the storage platform.
      dateModified   string  Timestamp of the last modification of the entity. This will usually be allocated by the storage
                             platform.
      dateRetrieved  string  The date and time the information was retrieved in ISO8601 UTC format.
   }
   queryParams {
      portCode  string  max:5 chars
                        UN/LOCODE code for a port.
   }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body

   code*          string  PATTERN:/([1-5][0-9]{2})/
                          HTML response status code.
   messageCode    string  Code error description.
   message*       string  Error description.
   timestamp      string  Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
```

Error body

```
  code*        string  PATTERN:/([1-5][0-9]{2})/
                       HTML response status code.
  messageCode  string  Code error description.
  message*     string  Error description.
  timestamp    string  Timestamp of error ocurrence.
}
```

15. STATISTICS

APIs related to statistics from a port.

15.1 GET /basicTrafficStatistics

Statistical information from the carriage of goods and passengers by seagoing vessels calling at ports.

Statistical information from the carriage of goods and passengers by seagoing vessels calling at ports.
It is based on the definitions and classifications as included in the Directive 2009/42/EC of the European Parliament and of the Council of 6 May 2009 on statistical returns in respect of carriage of goods and passenger by sea and later amendments.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
   basicTrafficStatistics [{
   Array of object:  Statistical information from the traffic flows from a port.

      dataset* {
      2-character code, as defined in annex VIII from Directive 2009/42/EC of the European Parliament and of the Council. Dataset

      }
      year*                         integer   Year.
      quarter*                      enum      ALLOWED:1, 2, 3, 4
                                              Quarter.
      reportingPort*                string    max:5 chars
                                              Port that provides some information. Use port UN/LOCODE.
      flowDirection                 enum      ALLOWED:outwards, inwards, both
                                              Flow direction (inwards, outwards) is determined by reference to the reporting port/
                                              terminal: "inwards" means "arriving at the port/terminal", "outwards" means "leaving the
                                              port/terminal". It is also possible to choose "both" directions.
      portLoadingUnloading          string    max:5 chars
                                              For a vessel that operates in a port, port where the cargo was loaded (port of loading) or
                                              where it will be unloaded (port of unloading). Use port UN/LOCODE.
      coastalArea                   string    max:4 chars
                                              A contiguous stretch of coastline, together with islands offshore as it is defined by
                                              Eurostat in Annex VI from Directive 2009/42/EC of the European Parliament and of the
                                              Council.
      typeOfCargo                   enum      max:2 chars
                                              ALLOWED:1X, 11, 12, 13, 19, 2X, 21, 22, 23, 29, 3X,
                                              31, 32, 33, 34, 5X, 51, 52, 53, 54, 56, 59, 6X, 61,
                                              62, 64, 65, 66, 69, 9X, 91, 92, 99, RX, R1, R2, R3,
                                              R4
```

2-character code of type of cargo, as defined in annex II from Directive 2009/42/EC of the European Parliament and of the Council. * `1X` Liquid bulk goods (no cargo unit) * `11` Liquefied gas * `12`Crude oil * `13`Oil products * `19`Other liquid bulk goods * `2X`Dry bulk goods (no cargo unit) * `21`Ores * `22`Coal * `23`Agricultural products (e.g. grain, soya, tapioca) * `29`Other dry bulk goods * `3X`Large containers * `31`20 ft freight units * `32`40 ft freight units * `33`Freight units > 20 ft and < 40 ft * `34`Freight units > 40 ft * `5X`Mobile self-propelled units * `51`Road goods vehicles and accompanying

trailers * `52`Passenger cars, motorcycles and accompanying trailers/caravans *
`53`Passenger buses * `54`Trade vehicles (including import/export motor vehicles) *
`56`Live animals on the hoof * `59`Other mobile self-propelled units * `6X`Mobile non-
self-propelled units * `61`Unaccompanied road goods trailers and semitrailers *
`62`Unaccompanied caravans and other road, agricultural and industrial vehicles *
`64`Rail wagons engaged in goods transport * `65`Shipborne port-to-port trailers
engaged in goods transport * `66`Shipborne barges engaged in goods transport *
`69`Other mobile non-self-propelled units * `9X`Other cargo, not elsewhere specified *
`91`Forestry products * `92`Iron and steel products * `99`Other general cargo *
`RX`Large Ro-Ro containers * `R1`20 ft freight units * `R2`40 ft freight units X *
`R3`Freight units > 20 ft and < 40 ft * `R4`Freight units > 40 ft

commodity	enum	max:2 chars

ALLOWED:01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11,
12, 13, 14, 15, 16, 17, 18, 19, 20

NST2007 code.
* `01`Products of agriculture, hunting, and forestry; fish and other fishing products
* `02`Coal and lignite; crude petroleum and natural gas
* `03`Metal ores and other mining and quarrying products; peat; uranium and thorium
* `04`Food products, beverages and tobacco
* `05`Textiles and textile products; leather and leather products
* `06`Wood and products of wood and cork (except furniture); articles of straw and
plaiting materials; pulp, paper and paper products; printed matter and recorded media
* `07`Coke and refined petroleum products
* `08`Chemicals, chemical products, and man-made fibers; rubber and plastic products;
nuclear fuel
* `09`Other non metallic mineral products
* `10` Basic metals; fabricated metal products, except machinery and equipment
* `11`Machinery and equipment n.e.c.; office machinery and computers; electrical
machinery and apparatus n.e.c.; radio, television and communication equipment and
apparatus; medical, precision and optical instruments; watches and clocks
* `12`Transport equipment
* `13`Furniture; other manufactured goods n.e.c.
* `14`Secondary raw materials; municipal wastes and other wastes
* `15`Mail, parcels
* `16`Equipment and material utilized in the transport of goods
* `17`Goods moved in the course of household and office removals; baggage and
articles accompanying travellers; motor vehicles being moved for repair; other non
market goods n.e.c.
* `18` Grouped goods: a mixture of types of goods which are transported together
* `19`Unidentifiable goods: goods which for any reason cannot be identified and
therefore cannot be assigned to groups 01-16
* `20`Other goods n.e.c.

grossWeightOfGoods	integer	Gross weight, expressed in metric tonnes.
unitsTotal	integer	The number of units (containers, intermodal transport units -ITU-, vehicles, vessels...).
unitsEmpty	integer	The number of units (containers, intermodal transport units -ITU-, vehicles, vessels...).
ferryPassengers	integer	The number of passengers.
cruisePassengers	integer	The number of passengers.
vesselType	enum	max:2 chars

ALLOWED:10, 20, 31, 32, 33, 34, 35, 36, 41, 42, 43,
49, XX

The type of the ship. The value is populated using the 2-character code from Annex VI
from DIRECTIVE 2009/42/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL
of 6 May 2009 on statistical returns in respect of the carriage of goods and passengers
by sea.

* `10` Liquid bulk (Oil tanker, Chemical tanker, LG tanker, Tanker barge, Other tanker)
* `20` Dry bulk (Bulk/oil carrier, Bulk carrier)
* `31` Container (Full container)
* `32` Specialised (Barge carrier, Chemical carrier, Irradiated fuel, Livestock carrier,
Vehicle carrier, Other specialised)
* `33` General cargo, non-specialised (Reefer, Ro-ro passenger, Ro-ro container, Other ro-
ro cargo,Combination carrier general cargo/passenger, Combination carrier general
cargo/container, Single-decker, Multi-decker)
* `34` Dry cargo barge (Deck barge, Hopper barge, Lash-seabee barge, Open dry cargo
barge, Covered dry cargo barge, Other dry cargo barge nes)
* `35` Passenger (Passenger, excluding cruise passengers)
* `36` Cruise Passenger (Cruise ships only)
* `41` Fishing (Fish catching, Fish processing)
* `42` Offshore activities (Drilling and exploration, Offshore support)
* `43` Tugs (Tugs, Pusher craft)
* `49` Miscellaneous Dredgers (Research/survey, Other vessel nes)
* `XX` Unknown Unknown type of vessel

vesselNationality	string	max:4 chars

The code used for the Nationality of registration consists of four digit, the ISO3166
alpha 2 code for each country, followed by 2 zeros except for countries with more than

one register exists, which are identified by a fourth digit other than zero (from 1 to 4). Codes are in annex V from Directive 2009/42/EC of the European Parliament and of the Council.

vessels	integer	The number of units (containers, intermodal transport units -ITU-, vehicles, vessels...).
vesselDwt	integer	The deadweight (DWT) of a ship is the difference in tonnes between the displacement of a ship on the summer load line in the water with a specific gravity of 1.025 and the total weight of the ship.
vesselGt	integer	Gross tonnage (GT) is a measure of the overall size of a ship determined by the provisions of the International Convention on Tonnage Measurement of Ships (1969). It is calculated as a function of the moulded volume of all enclosed spaces of the ship.

```
    }]
    metadata {
```
Metadata information associated to a response.

requestId	string	The unique identifier of the request. Include this as a reference when reporting issues.
dateCreated	string	Entity creation timestamp. This will usually be allocated by the storage platform.
dateModified	string	Timestamp of the last modification of the entity. This will usually be allocated by the storage platform.
dateRetrieved	string	The date and time the information was retrieved in ISO8601 UTC format.

```
    }
    queryParams {
      portCode  string  max:5 chars
```
UN/LOCODE code for a port.

```
    }
  }
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
```
Error body

code*	string	**PATTERN**:/([1-5][0-9]{2})/
		HTML response status code.
messageCode	string	Code error description.
message*	string	Error description.
timestamp	string	Timestamp of error ocurrence.

```
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
```
Error body

code*	string	**PATTERN**:/([1-5][0-9]{2})/
		HTML response status code.
messageCode	string	Code error description.
message*	string	Error description.
timestamp	string	Timestamp of error ocurrence.

```
}
```

15.2 GET /basicEconomicStatistics

Statistical information from some economical parameters from a port.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
  basicEconomicData [{
  Array of object:  URI where a border inspection procedure from a port can be found.

      year*                integer  Year.
      reportingPort*       string   max:5 chars
                                    Port that provides some information. Use port UN/LOCODE.
      currency             string   3-character ISO4217 alpha code for the representation of currencies.
      netProffit           integer  Net proffit. The value is expressed in thousands (x1000) of a given currency.
      operatingProffit     integer  Operating proffit. The value is expressed in thousands (x1000) of a given currency.
      financialResult      integer  Financial result. The value is expressed in thousands (x1000) of a given currency.
      netTurnover          integer  Net turnover. The value is expressed in thousands (x1000) of a given currency.
      ebitda               integer  Earnings before interest, tax, depreciation and amortisation. The value is expressed in
                                    thousands (x1000) of a given currency.
      cashFlow             integer  Cash flow. The value is expressed in thousands (x1000) of a given currency.
      investments          integer  Investments. The value is expressed in thousands (x1000) of a given currency.
  }]
  metadata {
  Metadata information associated to a response.

      requestId      string   The unique identifier of the request. Include this as a reference when reporting issues.
      dateCreated    string   Entity creation timestamp. This will usually be allocated by the storage platform.
      dateModified   string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                              platform.
      dateRetrieved  string   The date and time the information was retrieved in ISO8601 UTC format.
  }
  queryParams {
      portCode  string  max:5 chars
                        UN/LOCODE code for a port.
  }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
    code*        string  PATTERN:/([1-5][0-9]{2})/
                         HTML response status code.
    messageCode  string  Code error description.
    message*     string  Error description.
    timestamp    string  Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
    code*        string  PATTERN:/([1-5][0-9]{2})/
                         HTML response status code.
    messageCode  string  Code error description.
    message*     string  Error description.
    timestamp    string  Timestamp of error ocurrence.
}
```

15.3 GET /typesOfCargo

Returns a list of types of cargo.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
    typesOfCargo  [enum]  max:2 chars
                          ALLOWED:1X, 11, 12, 13, 19, 2X, 21, 22, 23, 29, 3X, 31, 32, 33,
                          34, 5X, 51, 52, 53, 54, 56, 59, 6X, 61, 62, 64, 65, 66, 69, 9X,
                          91, 92, 99, RX, R1, R2, R3, R4
```

2-character code of type of cargo, as defined in annex II from Directive 2009/42/EC of the European Parliament and of the Council. * `1X` Liquid bulk goods (no cargo unit) * `11` Liquefied gas * `12`Crude oil * `13`Oil products * `19`Other liquid bulk goods * `2X`Dry bulk goods (no cargo unit) * `21`Ores * `22`Coal * `23`Agricultural products (e.g. grain, soya, tapioca) * `29`Other dry bulk goods * `3X`Large containers * `31`20 ft freight units * `32`40 ft freight units * `33`Freight units > 20 ft and < 40 ft * `34`Freight units > 40 ft * `5X`Mobile self-propelled units * `51`Road goods vehicles and accompanying trailers * `52`Passenger cars, motorcycles and accompanying trailers/caravans * `53`Passenger buses * `54`Trade vehicles (including import/export motor vehicles) * `56`Live animals on the hoof * `59`Other mobile self-propelled units * `6X`Mobile non-self-propelled units * `61`Unaccompanied road goods trailers and semitrailers * `62`Unaccompanied caravans and other road, agricultural and industrial vehicles * `64`Rail wagons engaged in goods transport * `65`Shipborne port-to-port trailers engaged in goods transport * `66`Shipborne barges engaged in goods transport * `69`Other mobile non-self-propelled units * `9X`Other cargo, not elsewhere specified * `91`Forestry products * `92`Iron and steel products * `99`Other general cargo * `RX`Large Ro-Ro containers * `R1`20 ft freight units * `R2`40 ft freight units X * `R3`Freight units > 20 ft and < 40 ft * `R4`Freight units > 40 ft

```
    metadata {
```
Metadata information associated to a response.
```
        requestId       string   The unique identifier of the request. Include this as a reference when reporting issues.
        dateCreated     string   Entity creation timestamp. This will usually be allocated by the storage platform.
        dateModified    string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                                 platform.
        dateRetrieved   string   The date and time the information was retrieved in ISO8601 UTC format.
    }
    queryParams {
        portCode  string  max:5 chars
                          UN/LOCODE code for a port.
    }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
```
Error body
```
    code*           string   PATTERN:/([1-5][0-9]{2})/
                             HTML response status code.
    messageCode     string   Code error description.
    message*        string   Error description.
    timestamp       string   Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
```
Error body

code*   string   **PATTERN:**/([1-5][0-9]{2})/
                                         HTML response status code.

messageCode   string   Code error description.
message*   string   Error description.
timestamp   string   Timestamp of error ocurrence.

```
}
```

15.4 GET /commoditiesList

Returns a list of types of commodities.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
```
    commoditiesList   [enum]   max:2 chars

                            ALLOWED:01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

NST2007 code.
* `01`Products of agriculture, hunting, and forestry; fish and other fishing products
* `02`Coal and lignite; crude petroleum and natural gas
* `03`Metal ores and other mining and quarrying products; peat; uranium and thorium
* `04`Food products, beverages and tobacco
* `05`Textiles and textile products; leather and leather products
* `06`Wood and products of wood and cork (except furniture); articles of straw and plaiting materials; pulp, paper and paper products; printed matter and recorded media
* `07`Coke and refined petroleum products
* `08`Chemicals, chemical products, and man-made fibers; rubber and plastic products; nuclear fuel
* `09`Other non metallic mineral products
* `10` Basic metals; fabricated metal products, except machinery and equipment
* `11`Machinery and equipment n.e.c.; office machinery and computers; electrical machinery and apparatus n.e.c.; radio, television and communication equipment and apparatus; medical, precision and optical instruments; watches and clocks
* `12`Transport equipment
* `13`Furniture; other manufactured goods n.e.c.
* `14`Secondary raw materials; municipal wastes and other wastes
* `15`Mail, parcels
* `16`Equipment and material utilized in the transport of goods
* `17`Goods moved in the course of household and office removals; baggage and articles accompanying travellers; motor vehicles being moved for repair; other non market goods n.e.c.
* `18` Grouped goods: a mixture of types of goods which are transported together
* `19`Unidentifiable goods: goods which for any reason cannot be identified and therefore cannot be assigned to groups 01-16
* `20`Other goods n.e.c.

    metadata {
Metadata information associated to a response.

       requestId   string   The unique identifier of the request. Include this as a reference when reporting issues.
       dateCreated   string   Entity creation timestamp. This will usually be allocated by the storage platform.

```
      dateModified     string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                                 platform.
      dateRetrieved    string   The date and time the information was retrieved in ISO8601 UTC format.
    }
    queryParams {
      portCode  string  max:5 chars
                        UN/LOCODE code for a port.
    }
  }
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
    code*         string   PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
    messageCode   string   Code error description.
    message*      string   Error description.
    timestamp     string   Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
    code*         string   PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
    messageCode   string   Code error description.
    message*      string   Error description.
    timestamp     string   Timestamp of error ocurrence.
}
```

16. TERMINAL PERFORMANCE

APIs related to the terminal performance of a port.

16.1 GET /accessWaitTime

Estimated waiting time that trucks have to queue before they can enter a terminal.
Returns a list with the estimated waiting time that trucks have to queue before they can enter a terminal.

`Parameters`: Port Code and Terminal identifier

`Returns`: Wait time of gtrucks to get intro terminals

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.
terminal	string min:10 chars	Code that identifies a terminal.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
  accessWaitTime [{
  Array of object:  Estimated period of time, in minites, that trucks have to queue before they can enter a terminal.
    terminalCode*  string   min:10 chars
                            Port facility number. GISIS code assigned by IMO to a facility from a port.
    waitTime       integer  >=0
                            Wait time, expressed in minutes.
  }]
  metadata {
  Metadata information associated to a response.
    requestId      string   The unique identifier of the request. Include this as a reference when reporting issues.
    dateCreated    string   Entity creation timestamp. This will usually be allocated by the storage platform.
    dateModified   string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                            platform.
    dateRetrieved  string   The date and time the information was retrieved in ISO8601 UTC format.
  }
  queryParams {
    portCode       string   max:5 chars
                            UN/LOCODE code for a port.
    terminalCode   string   min:10 chars
                            Port facility number. GISIS code assigned by IMO to a facility from a port.
  }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
   code*          string   PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
   messageCode    string   Code error description.
   message*       string   Error description.
   timestamp      string   Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
   code*          string   PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
   messageCode    string   Code error description.
   message*       string   Error description.
   timestamp      string   Timestamp of error ocurrence.
}
```

16.2 GET /landsideThroughput

The number of units (containers, freight cars,...) that enter or leave a terminal per hour during the present day.

Returns a list with the number of units (containers, freight cars,...) that enter or leave a terminal per hour during the present day.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.
terminal	string min:10 chars	Code that identifies a terminal.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
  landsideThroughput [{
  Array of object:  Flow of goods or equipment units, expressed as movements per hour.

     terminalCode*  string   min:10 chars
                             Port facility number. GISIS code assigned by IMO to a facility from a port.
     flowDirection  enum     ALLOWED:outwards, inwards, both
                             Flow direction (inwards, outwards) is determined by reference to the reporting port/terminal:
                             "inwards" means "arriving at the port/terminal", "outwards" means "leaving the port/terminal". It is
                             also possible to choose "both" directions.
     hourReported   integer  between 0 and  23
                             Hour expressed in a 24 hours format and represents the period between hh:00:00 and hh:59:59
     throughput     integer  >=0
                             Throughput.
  }]
  metadata {
```

Metadata information associated to a response.

```
    requestId       string   The unique identifier of the request. Include this as a reference when reporting issues.
    dateCreated     string   Entity creation timestamp. This will usually be allocated by the storage platform.
    dateModified    string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                             platform.
    dateRetrieved   string   The date and time the information was retrieved in ISO8601 UTC format.
  }
  queryParams {
    portCode        string   max:5 chars
                             UN/LOCODE code for a port.
    terminalCode  string   min:10 chars
                             Port facility number. GISIS code assigned by IMO to a facility from a port.
  }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
    code*         string   PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
    messageCode   string   Code error description.
    message*      string   Error description.
    timestamp     string   Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body
    code*         string   PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
    messageCode   string   Code error description.
    message*      string   Error description.
    timestamp     string   Timestamp of error ocurrence.
}
```

16.3 GET /seasideThroughput

Returns the number of containers loaded or unloaded from vessels on a terminal per hour and during the present day.
eturns the number of containers loaded or unloaded from vessels on a terminal per hour and during the present day.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.
terminal	string min:10 chars	Code that identifies a terminal.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
   accessTime [{
   Array of object: Flow of goods or equipment units, expressed as movements per hour.

      terminalCode*  string   min:10 chars
                              Port facility number. GISIS code assigned by IMO to a facility from a port.
      flowDirection  enum     ALLOWED:outwards, inwards, both
                              Flow direction (inwards, outwards) is determined by reference to the reporting port/terminal:
                              "inwards" means "arriving at the port/terminal", "outwards" means "leaving the port/terminal". It is
                              also possible to choose "both" directions.
      hourReported   integer  between 0 and  23
                              Hour expressed in a 24 hours format and represents the period between hh:00:00 and hh:59:59
      throughput     integer  >=0
                              Throughput.
   }]
   metadata {
   Metadata information associated to a response.

      requestId      string   The unique identifier of the request. Include this as a reference when reporting issues.
      dateCreated    string   Entity creation timestamp. This will usually be allocated by the storage platform.
      dateModified   string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                              platform.
      dateRetrieved  string   The date and time the information was retrieved in ISO8601 UTC format.
   }
   queryParams {
      portCode       string   max:5 chars
                              UN/LOCODE code for a port.
      terminalCode   string   min:10 chars
                              Port facility number. GISIS code assigned by IMO to a facility from a port.
   }
}
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body

   code*          string   PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
   messageCode    string   Code error description.
   message*       string   Error description.
   timestamp      string   Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
Error body

   code*          string   PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
   messageCode    string   Code error description.
   message*       string   Error description.
   timestamp      string   Timestamp of error ocurrence.
}
```

17. VEHICLE TRAFFIC

APIs related to the documnentary procedures of a port.

17.1 GET /trafficFlowObserved

The number of vehicles entering or leaving a port or a terminal through a certain gate and in each period. And segregation of this data by type of vehicles.

Returns the number of vehicles entering or leaving a port or a terminal through a certain gate and in a given period of time. And segregation of this data by type of vehicles.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
portCode	string max:5 chars	Port UN/LOCODE. Default value is Locode of Port what provides the services.
vehicleTypes	enum **ALLOWED:** Cars, Trucks, Both, Trains	Type of vehicle from the point of view of its structural characteristics.
portGate	undefined	Access gate
flowDirection	enum **ALLOWED:** outwards, inwards, both	Flow direction.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
  trafficFlowObserved [{
```
Array of object: The number of vehicles entering or leaving a port or a terminal.

portCode   string   max:5 chars
UN/LOCODE code for a port.

vehicleTypes   enum   **ALLOWED:** Cars, Trucks, Both, Trains
Type of vehicles from the point of view of their structural characteristics.
* `Cars`
* `Trucks`
* `Both` - Trucks and cars
* `Trains`

portGate {
Attributes of an access gate.

     gateName   string   Gate name.
     gateCoordinates {
     Either of the two lines of latitude and longitude whose intersection determines the geographical point of a place.

       latitude   number   Latitude of a point.
       longitude   number   Longitude of a point
     }
     flowDirection   enum   **ALLOWED:** outwards, inwards, both
     Flow direction (inwards, outwards) is determined by reference to the reporting port/terminal: "inwards" means "arriving at the port/terminal", "outwards" means "leaving the port/terminal". It is also possible to choose "both" directions.

     vehicleTypes   enum   **ALLOWED:** Cars, Trucks, Both, Trains
     Type of vehicles from the point of view of their structural characteristics.

```
                                    * `Cars`
                                    * `Trucks`
                                    * `Both` - Trucks and cars
                                    * `Trains`
        }
        vehicleTraffic*           integer          The number of units (containers, intermodal transport units
                                                   -ITU-, vehicles, vessels...).
    }]
    metadata {
    Metadata information associated to a response.
        requestId      string   The unique identifier of the request. Include this as a reference when reporting issues.
        dateCreated    string   Entity creation timestamp. This will usually be allocated by the storage platform.
        dateModified   string   Timestamp of the last modification of the entity. This will usually be allocated by the storage
                                platform.
        dateRetrieved  string   The date and time the information was retrieved in ISO8601 UTC format.
    }
    queryParams {
        portCode       string   max:5 chars
                                UN/LOCODE code for a port.
        vehicleTypes   enum     ALLOWED:Cars, Trucks, Both, Trains
                                Type of vehicles from the point of view of their structural characteristics.
                                * `Cars`
                                * `Trucks`
                                * `Both` - Trucks and cars
                                * `Trains`
        portGate {
        Attributes of an access gate.
            gateName        string   Gate name.
            gateCoordinates {
            Either of the two lines of latitude and longitude whose intersection determines the geographical point of a place.
                latitude    number   Latitude of a point.
                longitude   number   Longitude of a point
            }
            flowDirection   enum     ALLOWED:outwards, inwards, both
                                     Flow direction (inwards, outwards) is determined by reference to the reporting port/terminal:
                                     "inwards" means "arriving at the port/terminal", "outwards" means "leaving the port/terminal". It
                                     is also possible to choose "both" directions.
            vehicleTypes    enum     ALLOWED:Cars, Trucks, Both, Trains
                                     Type of vehicles from the point of view of their structural characteristics.
                                     * `Cars`
                                     * `Trucks`
                                     * `Both` - Trucks and cars
                                     * `Trains`
        }
        flowDirection   enum     ALLOWED:outwards, inwards, both
                                 Flow direction (inwards, outwards) is determined by reference to the reporting port/terminal:
                                 "inwards" means "arriving at the port/terminal", "outwards" means "leaving the port/terminal". It is
                                 also possible to choose "both" directions.
    }
  }
```

STATUS CODE - 400: Bad request

RESPONSE MODEL - application/json

```
{
Error body
    code*         string   PATTERN:/([1-5][0-9]{2})/
                           HTML response status code.
    messageCode   string   Code error description.
    message*      string   Error description.
    timestamp     string   Timestamp of error ocurrence.
}
```

STATUS CODE - 404: Not found

RESPONSE MODEL - application/json

```
{
```
Error body

code*	string	PATTERN:/([1-5][0-9]{2})/
		HTML response status code.
messageCode	string	Code error description.
message*	string	Error description.
timestamp	string	Timestamp of error ocurrence.

```
}
```

RESPONSE MODEL - application/json

```
{
```
Error body

code*	string	PATTERN:/([1-5][0-9]{2})/
		HTML response status code.
messageCode	string	Code error description.
message*	string	Error description.
timestamp	string	Timestamp of error ocurrence.