API Reference

OIAP

API Version: 0.9.0-oas3

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   Unique identifier of the request. Include this as 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.
  }
```

1.2 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

```
{
   airParameters {
   Values of several parameters that measure the air quality.
      airQualityIndex   integer   between 0 and  100
                                  Value of the Air Quality Index (AQI).
      CO                integer   CO concentration, in milligrams per cubic meter.
      NONO              integer   NO concentration, in milligrams per cubic meter.
      NO2               integer   NO2 concentration, in milligrams per cubic meter.
      NOx               integer   NOx concentration, in milligrams per cubic meter.
      SO2               integer   SO2 concentration, in milligrams per cubic meter.
   }
   metadata {
   Metadata information associated to a response.
      requestId      string   Unique identifier of the request. Include this as 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   Unique identifier of the request. Include this as 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   Total suspended solids, measured in milligrams per liter (mg/L).
        tds               number   Total dissolved solids, measured in milligrams per liter (mg/L).
        nitrates          number   Concentration of nitrates, expressed in milligrams per liter (mg/L).
        nitrites          number   Concentration of nitrites, expressed in milligrams per liter (mg/L).
        ammonia           number   Concentration of ammonia, expressed in milligrams per liter (mg/L).
        silicate          number   Concentration of silicate, expressed in milligrams per liter (mg/L).
        phosphate         number   Concentration of phosphate, expressed in milligrams per liter (mg/L).
    }
    metadata {
    Metadata information associated to a response.

        requestId     string   Unique identifier of the request. Include this as 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
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   Unique identifier of the request. Include this as 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 of 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   It indicates the height of the waves and also 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   Unique identifier of the request. Include this as 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 forecast 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 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    Unique identifier of the request. Include this as 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 forecast 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 forecast 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`   Unique identifier of the request. Include this as 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 forecast 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 realtime weather information of 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 about the provider of this information.
    name                  string   Given name of a person.
    location              string   Location of the weather observation represented by a GeoJSON geometry. https://
                                   tools.ietf.org/html/rfc7946. Mandatory if address is not defined.
    address {
    Address.
      city               string
      country            string
      streetAndNumber    string
      zipCode            string
    }
    dateObserved*         string   The date and time of this observation in ISO8601 UTCformat. It can be represented by an
                                   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 type.
    dewPoint              number   The dew point encoded as a number. Default unit is Celsius degrees.
    visibility            enum     ALLOWED:veryPoor, poor, moderate, good, veryGood,
                                   excellent
                                   Visibility reported.
    temperature           number   Air's temperature observed. Default unit is degrees centigrades.
    feelsLikeTemperature  number   Wind chill/Feels like Temperature (°C)
```

relativeHumidity	number	between 0 and 1
		Air's relative humidity observed (percentage, expressed in parts per one).
precipitation	number	Precipitation level observed. Default unit is liters per square meter.
windDirection	number	between 0 and 360
		The wind direction 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 illumninance observed measured in lux (lx) or lumens per square metre (cd·sr·m-2).

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

requestId	string	Unique identifier of the request. Include this as 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 forecast date.
      atmosphericPressure                 number         The atmospheric pressure observed
                                                         measured in Hecto Pascals (hPa).
      dayMaximum {
      Maximum values for the reported period. Subattributes:- `temperature` : Maximum temperature. See `WeatherForecast.temperature` for
      description and units. - `feelLikesTemperature`. Maximum feels like temperature. Same semantics and units as
      `WeatherForecast.feelsLikeTemperature`.- `relativeHumidity`. 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's relative humidity observed (percentage, expressed in parts per one).
         temperature           number   Air's temperature observed. 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's relative humidity observed (percentage, expressed in parts per one).
         temperature           number   Air's temperature observed. 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   Unique identifier of the request. Include this as 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 in a certain date and place.
        sunset         string   Time for sunset in a certain date and place.
        moonrise       string   Time for moonrise in a certain date and place.
        moonset        string   Time for moonset in 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   Unique identifier of the request. Include this as 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.
}
```

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 transshipment.
          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.
```

```
  linerServiceCapacity {
```
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   Unique identifier of the request. Include this as 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 transshipment.
    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  Unique identifier of the request. Include this as 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   Unique identifier of the request. Include this as 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 to subscribe to a news service

Post the validation code 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 to cancel the subscription to a news service

Post the validation code 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.
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  Subject of a publication.
    content    string  Content of a publication.
    category   string  Category of a publication.
    fromDate   string  The initial date of a periode of time.
    toDate     string  The final date of a periode of time.
    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  Unique identifier of the request. Include this as 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 periode of time.
  }
}
```

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  Unique identifier of the request. Include this as 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   Unique identifier of the request. Include this as 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 particular 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   Subject of a publication.
      content      string   Content of a publication.
      category     string   Category of a publication.
      fromDate     string   The initial date of a periode of time.
      toDate       string   The final date of a periode of time.
      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   Unique identifier of the request. Include this as 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 to subscribe to a notices service

Post the validation code 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 to cancel the subscription to a notices service

Post the validation code 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.
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	Subject of a publication.
content	string	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 periode of time.
toDate	string	The final date of a periode of time.
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 periode of time.

```
  }
```

}

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 Unique identifier of the request. Include this as 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    Unique identifier of the request. Include this as 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.
      severity      enum    ALLOWED:informational, low, medium, high, critical
                            Define the level of gravity of a given alert.
      subject*      string  Subject of a publication.
      content       string  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 periode of time.
      toDate        string  The final date of a periode of time.
      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  Unique identifier of the request. Include this as 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.

```
}
```

RESPONSE MODEL - application/json

```
{
```
Error body

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

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, 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	Unique identifier of the request. Include this as 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 periode of time.
    toDate        string      The final date of a periode of time.
}
}
```

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 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. 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 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 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	Unique identifier of the request. Include this as 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 periode of time.

      dateRange   string   The duration of a time period, expressed as an ISO 8601 code. E.g. 4 weeks and 2 days is 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 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. 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 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 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.

The date and time the means of transport is estimated to depart from a specified

```
            estimatedTimeOfDeparture*  string   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 expresed 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   Unique identifier of the request. Include this as 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. 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 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 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 expresed 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   Unique identifier of the request. Include this as 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. 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 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 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 expresed 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   Unique identifier of the request. Include this as 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 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. 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 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 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  Unique identifier of the request. Include this as 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 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  Unique identifier of the request. Include this as 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 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 expresed 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   Unique identifier of the request. Include this as 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 next arrival and departure of a cruise ship.

REQUEST

QUERY PARAMETERS

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 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 expresed 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  Unique identifier of the request. Include this as 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
                            The ship's name shown on the IMO ship's certificates.
    }
}
```

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 an 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

```
{
  companiesOverviewData [{
```
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   Unique identifier of the request. Include this as 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

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

{
  companyNames [{
  Array of object: 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   Unique identifier of the request. Include this as 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

```
{
    companyFromVat {
    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  Unique identifier of the request. Include this as 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 /companies/activities

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

```
{
```

```
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   Unique identifier of the request. Include this as 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   Total area expressed in hectares (ha).
    totalBerthLength            integer   Berth length expresed in meters (m).
    totalCoveredWarehouses      integer   Total area of the covered warehouses in square meters.
  }]
  metadata {
  Metadata information associated to a response.

    requestId       string    Unique identifier of the request. Include this as 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 main land 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   Unique identifier of the request. Include this as 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 expresed 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    Unique identifier of the request. Include this as 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             Total area expressed in hectares (ha).
    coveredWarehouses               integer             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 expresed 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   Unique identifier of the request. Include this as 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 of 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   Number of rail tracks in a facility.
    trackMaximumLength  integer   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   Number of gantry cranes of a facility.
  }]
  metadata {
```
Metadata information associated to a response.

```
    requestId    string   Unique identifier of the request. Include this as 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   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  Unique identifier of the request. Include this as 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 channel 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 expresed 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   Unique identifier of the request. Include this as 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 docummentary procedures of a port.

11.1 GET /customsClearanceProcedure

Returns a list of resources 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 [{

  Array of object: 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
                                        identifies a logical or physical resource used by web technologies.

  }]
  metadata {
  Metadata information associated to a response.

      requestId       string  Unique identifier of the request. Include this as 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 list of resources 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 [{
    Array of object:  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  Unique identifier of the request. Include this as 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.
   }
```

11.3 GET /vgmProcedures

Returns a list of resources 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 [{
   Array of object:  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   Unique identifier of the request. Include this as 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

{
  containerTare [{
  Array of object: 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 in accordance with 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   Unique identifier of the request. Include this as 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:11 chars
                             Container number following the identification system described in clause 3 of the ISO6346:1995 standard.
  }
}

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 list of resources 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

```
{
```
vgmProcedures [{

Array of object: 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

Procedure description

```
    qualityCertificationUri*        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  Unique identifier of the request. Include this as 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

```
{
   borderInspectionActors [{
   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   Unique identifier of the request. Include this as 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

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   Unique identifier of the request. Include this as 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 list of resources 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

```
{
      borderInspectionProcedures [{
      Array of object:  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
                                                  containers.
                                                  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   Unique identifier of the request. Include this as 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 list of resources 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

```
{
  borderInspectionProcedures [{
```
Array of object: 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  Unique identifier of the request. Include this as 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 /portServices

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.
serviceType	enum **ALLOWED:** Stevedoring & Lashing, Tally, Ship Supplier, Nautic-technic, Tug, Mooring	Service type.

RESPONSE

STATUS CODE - 200: Successful operation

RESPONSE MODEL - application/json

```
{
  portServices [{
  Array of object:  Information about a port service that can be ordered for a ship.
      serviceType*       enum      ALLOWED:Stevedoring & Lashing, Tally, Ship Supplier,
                                   Nautic-technic, Tug, Mooring
                                   Type of port 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 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   Unique identifier of the request. Include this as 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.
          serviceType      enum     ALLOWED:Stevedoring & Lashing, Tally, Ship Supplier, Nautic-
                                    technic, Tug, Mooring
                                    Type of port 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

```
{
   serviceTypes [{
   Array of object: Service type that is offered in a port.

      serviceType  enum  ALLOWED:Stevedoring & Lashing, Tally, Ship Supplier, Nautic-
                               technic, Tug, Mooring
                               Type of port service.
   }]
   metadata {
   Metadata information associated to a response.

      requestId      string  Unique identifier of the request. Include this as 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
		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	Unique identifier of the request. Include this as 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.
    }
```

13.2 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   Unique identifier of the request. Include this as 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   Unique identifier of the request. Include this as 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 exclussivelly to the rail transport of goods.

```
    companyName*  string   Company name.
  }]
  metadata {
  Metadata information associated to a response.
    requestId       string   Unique identifier of the request. Include this as 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   Unique identifier of the request. Include this as 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   Unique identifier of the request. Include this as 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.
}
```

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

```
{
  ratesAndFeesUrl [{
  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   Unique identifier of the request. Include this as 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.

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 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:1, 2, 3, 4, 5, 6, 7, 8.0, 9.0, 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	Number of units (containers, intermodal transport units -ITU-, vehicles, vessels...).
unitsEmpty	integer	Number of units (containers, intermodal transport units -ITU-, vehicles, vessels...).
ferryPassengers	integer	Number of passengers.
cruisePassengers	integer	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 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	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 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 in accordance with 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	Unique identifier of the request. Include this as 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	Unique identifier of the request. Include this as 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 /typesOfCargoList

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	Unique identifier of the request. Include this as 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

{

commodities [enum]   max:2 chars

ALLOWED:1, 2, 3, 4, 5, 6, 7, 8.0, 9.0, 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

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

    `requestId`   string Unique identifier of the request. Include this as 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 into a terminal.

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

```
{
  accessTime [{
```
Array of object: Estimated period of time, in minites, that trucks have to queue before they can enter into 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    Unique identifier of the request. Include this as 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

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

```
{
    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 periode between hh:00:00 and hh:59:59
     throughput      integer  >=0
                              Throughput.
  }]
  metadata {
  Metadata information associated to a response.
     requestId      string   Unique identifier of the request. Include this as 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

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 periode between hh:00:00 and hh:59:59
        throughput      integer   >=0
                                  Throughput.
    }]
    metadata {
    Metadata information associated to a response.
        requestId       string   Unique identifier of the request. Include this as 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.
}
```

```
    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 documentary procedures of a port.

17.1 GET /trafficFlowObserved

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.

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

```
{
  basicTrafficEnvironment [{
    Array of object: 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
```
Number of units (containers, intermodal transport units - ITU-, vehicles, vessels...).

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

```
      requestId       string   Unique identifier of the request. Include this as 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.
    }
```