

Commission Implementing Regulation (EU) 2018/2032 of 20 November  
2018 amending Commission Regulation (EC) No 416/2007  
concerning the technical specifications for Notices to Skippers

COMMISSION IMPLEMENTING REGULATION (EU) 2018/2032

of 20 November 2018

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THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Directive 2005/44/EC of the European Parliament and of the Council of 7 September 2005 on harmonised river information services (RIS) on inland waterways in the Community<sup>(1)</sup>, and in particular Article 5, paragraph 1, point (c), thereof,

Whereas:

- (1) Commission Regulation (EC) No 416/2007<sup>(2)</sup> should be updated, further refined and clarified taking into account the technological progress and experience gained from the application of Regulation (EC) No 416/2007.
- (2) The technical specifications for Notices to Skippers should be based on the technical principles set out in Annex II to Directive 2005/44/EC.
- (3) In order to improve safety of navigation, Notices to Skippers should be extended to include a new type of message dedicated to weather-related notices.
- (4) The reference tables related to gauges should be eliminated from the Annex to Regulation (EC) No 416/2007, because the reference data contained therein, such as reference values for low and high water level, are dynamic. Such data should be included and maintained in the European Reference Data Management System operated by the Commission.
- (5) There is a need to improve the consistency of editing and application development in order to create services with a higher level of interoperability. Therefore, Encoding Guides for editors and application developers should be included in the technical specifications as Appendix A and B to the Annex.
- (6) Data exchange between the authorities is recommended according to Regulation (EC) No 416/2007. In order to improve such data exchange, specifications related to the data exchange should be set out in Appendix D to the Annex in order to allow Member States make their systems interoperable.
- (7) In order to ensure that Member States are able to encode Notices to Skippers messages in a consistent and interoperable manner, the Reference tables included in Appendix E should be improved. For this purpose, new codes should be defined in a new Reference table containing harmonised search interface labels for the graphical user interface.

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Moreover, new tags, values and codes should be added to existing Reference tables and redundant items should be removed.

- (8) The revised technical specifications should ensure that the reference tables in Appendix E are also available electronically in the European Reference Data Management System operated by the European Commission.
- (9) In accordance with Article 12(2) of Directive 2005/44/EC, in order to comply with Article 4 of this Directive, Member States should take the necessary measures to implement the requirements laid down in this Regulation not later than 30 months after its entry into force.
- (10) Regulation (EC) No 416/2007 should therefore be amended accordingly.
- (11) The measures provided for in this Regulation are in accordance with the opinion of the Committee referred to in Article 11 of Directive 2005/44/EC,

HAS ADOPTED THIS REGULATION:

*Article 1*

The Annex to Commission Regulation (EC) No 416/2007 is replaced by the text of the Annex to this Regulation.

*Article 2*

This Regulation shall enter into force on the day following that of its publication in the *Official Journal of the European Union*.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Brussels, 20 November 2018.

*For the Commission*

*The President*

Jean-Claude JUNCKER

## ANNEX

### 1. GENERAL PROVISIONS

#### 1.1. Definitions

Fairway Information Services (FIS) mean geographical, hydrological and administrative information regarding the waterway (fairway) that are used by boatmasters and fleet managers to plan, execute and monitor a voyage. The terms ‘boatmaster’ and ‘skipper’ used in the present standard shall be deemed to be equivalent with the term ‘ship master’ used in the River Information Services (RIS) Guidelines (Commission Regulation (EC) No 414/2007<sup>(3)</sup>), while the term ‘fleet managers’ is defined in Commission Regulation (EC) No 415/2007<sup>(4)</sup>.

FIS provide dynamic information (such as water levels, water level predictions) as well as static information (such as operating times of locks and bridges) regarding the use and status of the inland waterway infrastructure, and thereby support tactical and strategic navigation decisions.

Traditional means to supply FIS include visual aids to navigation, notices to skippers published on paper, provided by broadcast and by fixed telephone on locks. The mobile phone has added new possibilities of voice and data communication, but cellular network is not available in all places and at all times. Tailor-made FIS for the waterways can be supplied by radiotelephone service on inland waterways, Internet service or electronic navigational chart service, such as the Inland Electronic Chart Display and Information System (Inland ECDIS) with Electronic Navigational Chart (ENC).

#### 1.2. Primary functions and performance requirements for Notices to Skippers (NtS)

This technical specification for NtS provides rules for the data transmission of fairway information via Internet.

NtS shall:

- (a) provide information related to fairway conditions, traffic, weather, water levels and ice for Fairway Information Services;
- (b) provide automatic translation of the most important content of notices, using standard vocabulary based on code lists (the NtS Reference Tables as provided in Appendix E);
- (c) be provided in a standardised structure of data-sets to facilitate the integration of notices in voyage planning systems;
- (d) be compatible with the data-structure of the RIS Index and Inland ECDIS to facilitate integration of NtS into Inland ECDIS as stipulated by Directive 2005/44/EC of 7 September 2005 on harmonised RIS on inland waterways in the Community.

The technical specifications for NtS facilitate the data-exchange among NtS systems of different countries and towards other applications making use of NtS data, including Inland ECDIS.

Some information contained within NtS messages can be standardised, some cannot.

The standardised part shall cover all the information which is:

- (a) important for the safety of inland navigation (for example: sunken small craft on the right side of the fairway at the Danube, river-km 2010);
- (b) needed for voyage planning including closure of locks and reduction of vertical clearance.

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Additional information that is not relevant for safety or voyage planning, including the cause of the closure of a lock, may be given as free text, without automatic translation. The use of free text shall be restricted to a minimum.

## 2. PROVISION OF NOTICES TO SKIPPERS

Member States shall ensure that NtS messages are accessible online and via standardised NtS web service, in accordance with the technical specifications described in this Annex and its Appendices. The standardised NtS web service specification is included in Appendix D in the form of a 'Web Service Description Language' (WSDL).

The standardised NtS web services shall provide the user with the possibility to select messages on the grounds of at least one of the following criteria:

- (c) a specific waterway section;
- (d) a specific part of a waterway, defined by the river-km of the starting and the end point;
- (e) time of validity of the notice (start date and end date of validity period);
- (f) date of publication of the notice (date and time of publication).

NtS messages that comply with the standards referred to in this Annex can be provided, among other tools, by:

- (a) mobile applications (apps);
- (b) E-mail services.

Data exchange among the NtS systems operated in different countries may be carried out. All systems using the standards described in the Annex of this Regulation may integrate NtS of other systems in their own services, provided the content of the message is not modified. Users shall be informed in case the connection to a source of integrated NtS is interrupted or not available.

## 3. NTS MESSAGE TYPES

NtS messages are essential messages that are standardised to the highest part possible.

There are four NtS message types, namely:

- (a) fairway and traffic related message;
- (b) water related message;
- (c) ice related message;
- (d) weather related message.

## 4. STRUCTURE OF NTS AND ENCODING OF NTS MESSAGES

This chapter describes the structure and encoding of standardised electronic NtS messages.

An NtS message is a structured message using standardised elements, wherever possible. The use of free text in the data elements shall be restricted to a minimum.

The standardised NtS extended markup language (XML) schema definition, referred to as XSD in this standard, contains the standardised code values and possible formats is included in Appendix C.



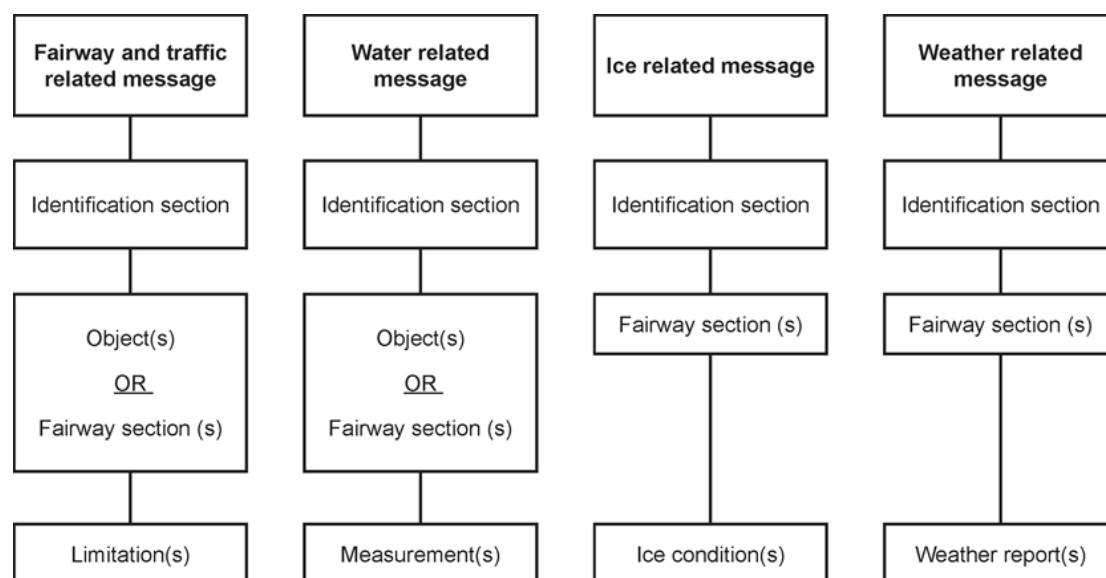
The standardised code values and the XML tags, their meaning and translation are provided in the NtS Reference Tables in Appendix E and are also available electronically in the European Reference Data Management System (ERDMS) operated by the European Commission.

#### 4.1. General structure

An NtS message consists of the following sections:

- (a) identification section;
- (b) section defining the applicable object(s) or fairway section(s) the message is related to;
- (c) limitation(s) for a fairway and traffic related message, measurement(s) for a water related message, ice condition(s) for an ice related message or weather report(s) for a weather related message.

*Figure 1 Notice to Skippers message structure*



##### 4.1.1. Identification section

Each message must contain an identification section. The identification section contains general information about the issuer and date of publication of the message.

##### 4.1.2. Fairway and traffic related message

The fairway and traffic related message contains information for fairway section(s) or object(s), and it is used to indicate limitation(s) for the following purposes:

- (a) **‘Warning’**: relevant for safety. The warning must contain at least one limitation that results in direct and concrete endangerment of persons, crafts or facilities, such as welding works on a bridge producing sparks, inspection cage/workers hanging from a bridge, obstacle in the fairway,
- (b) **‘Announcement’**: relevant for voyage planning or safety. The announcement may contain limitations, such as blockage of a lock chamber due to maintenance works, dredging on the fairway,

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- (c) **‘Info service’:** general information that is not directly linked to voyage planning or safety. The info service must not contain specific limitations, therefore it is not directly relevant to voyage planning or safety. Such information might include general information such as local rules of traffic, Inland ECDIS Update.

#### 4.1.3. *Water related message*

The water related section contains values or predictions for:

- (a) water level;
- (b) least sounded depth;
- (c) vertical clearance;
- (d) barrage status;
- (e) discharge;
- (f) regime.

Usually, water related information is created and published automatically based on data received from sensor equipment (such as tide gauge), systems (such as water level model) or infrastructure (such as barrage status). There may be different triggers for publication, such as periodical publication or reaching certain value.

#### 4.1.4. *Ice related message*

The ice related message contains information about the actual or predicted ice conditions for fairway section(s). Ice related information is usually generated by competent personnel based on local observation and professional assessment.

#### 4.1.5. *Weather related message*

The weather related message contains information about (dangerous) weather conditions for inland navigation.

In order to facilitate the distribution of hydro-meteo information from hydro-meteo networks to skippers, weather related messages may be published.

### 4.2. **Explanation of XML tags and code values in the NtS Reference Tables**

The meaning of the different elements used in the NtS XML schema definition (XSD) is described in the NtS Reference Tables provided in Appendix E. The structure, format and possible values of all XML elements are described in the NtS XSD in Appendix C.

- (a) Latitude and longitude coordinates are encoded according to the World Geodetic System 1984 and are presented in degrees and minutes with at least three, but preferable four decimals ([d]d mm.mmm[m] N, [d][d]d mm.mmm[m] E).
- (b) Decimals in numeric fields are indicated with a decimal point (‘.’). No separators for thousand are used.
- (c) NtS messages shall only use the following units for the values included in the XML message: cm, m<sup>3</sup>/s, h, km/h and kW, m/s (wind), mm/h (rain) and degree Celsius. National applications may convert the units for user-friendly display.

### 4.3. **Identification of fairway sections and objects in NtS messages**

To fulfil the minimum data requirements for provision of information about objects relevant for Inland navigation as referred to in Article 4(3)(a) of Directive 2005/44/EC, the ISRS Location Code has to be used in the object section. The ISRS Location Code is used to uniquely identify objects and fairway sections and to ensure interoperable RIS Systems and Services (such as to combine information about infrastructure from the RIS Index, Inland ECDIS and NtS for voyage planning).

The ISRS Location Code is a 20-digit alphanumeric code used to establish a unique and standardized relation between objects in River Information Services. It consists of the following mandatory data elements, arranged in four information blocks:

- (a) Block 1: UN/LOCODE (5 letters, alphanumeric), comprising
  - Country code (2 digits, alphanumeric)<sup>(6)</sup>, and
  - Location code (3 digits, alphanumeric, 'XXX' if not available)
- (b) Block 2: Fairway section code (5 digits, alphanumeric, to be determined by the national authority)
- (c) Block 3: Object Reference Code (5 digits, alphanumeric, 'XXXXX' if not available)
- (d) Block 4: Fairway section hectometre (5 digits, numerical, hectometre at the centre of the area or '00000' if not available).

The ISRS Location Codes and the reference data of objects are maintained by the Member States in the RIS Index and submitted to the ERDMS operated by the European Commission according to the Maintenance procedures for the RIS Index published on the ERDMS website.

#### 4.4. Rules for encoding of NtS messages

NtS messages shall be encoded in line with the NtS Encoding Guide for editors (Appendix A) and in line with the NtS Encoding Guide for application developers (Appendix B).

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## A.

## NOTICES TO SKIPPERS ENCODING GUIDE FOR EDITORS

**Abbreviations:**

<b>Abbreviation</b>	<b>Meaning</b>
CEVNI	European Code for Inland Waterways ( <a href="http://www.unece.org/trans/main/sc3/sc3res.html">http://www.unece.org/trans/main/sc3/sc3res.html</a> )
ENC	Electronic Navigational Chart
FTM	Fairway and Traffic related Message
ICEM	ICE Message
Inland ECDIS	Inland Electronic Chart Display and Information System
ISRS Location Code	'International Ship Reporting Standard' Location Code
NtS	Notices to Skippers
RIS	River Information Services
VHF	maritime mobile band
WERM	Weather Related Message
WRM	Water Related Message
WSDL	Web Services Description Language
XML	Extended Markup Language
XSD	XML Schema Definition

**1. Background, structure and purpose of NtS Encoding Guides**

The NtS Standard is continuously being improved. A major step forward was the release of the NtS web service facilitating exchange of NtS messages between authorities as well as between authorities and NtS users.

Two documents have been developed to facilitate the harmonised encoding of NtS messages nationally and internationally: the NtS Encoding Guide for editors and the NtS Encoding Guide for application developers. These Guides apply to NtS XSD 4.0 and the NtS Web Service WSDL 2.0.4.0.

Considering increased use of the NtS web service, NtS messages shall be further harmonised to ensure proper display of content on third party systems. Uniform encoding of messages is also a prerequisite for consideration of messages in voyage planning applications.

Elements that would contain only standard or default values shall be omitted if they are conditional, because they lead to message overhead with no added value.

The NtS Encoding Guide for editors is intended for those editing (and publishing) of NtS messages, including step-by-step instructions to create the proper message types as well as an explanation of codes. The NtS Encoding Guide explains the applicability of the four NtS

message types, provides filling instructions as well as codes to be used in certain events. The NtS Encoding Guide for editors is included in the present Appendix A.

The NtS Encoding Guide for application developers includes guidelines for NtS application development and implementation, explaining its logic, processes and auto/default values. The NtS Encoding Guide for application developers is included in Appendix B of the Annex to this Regulation.

## 2. Selection of the NtS message type

- FTM: Choose this type if you want to create a ‘Fairway and traffic related message’ for waterways or objects on the waterway. [go to chapter 3]
- WRM: Choose this type if you want to create a ‘Water related message’, which enables provision of information on current and predicted water levels as well as other information. The water related message contains information for an object or a fairway section. The object is identified by its ISRS Location Code, the fairway section is defined by its begin- and end-ISRS Location Codes.
- ICEM: Choose this type if you want to create an ‘Ice related message’. The Ice message section contains information about the ice conditions for a fairway stretch defined by its begin- and end-ISRS Location Codes.
- WERM: Choose this type if you want to create a ‘Weather related message’, which enables provision of information on current as well as forecasted weather situations on a waterway stretch defined by its begin- and end-ISRS Location Codes.

## 3. FTM basic considerations, steps towards publication of an FTM

Detailed information which codes have to be used is given in chapter 4. The considerations beginning from 3.3 are not necessarily in the input order of an FTM editor tool.

- 3.1. Is there a need to publish information via NtS FTM according to NtS Standard? All relevant information concerning safety and voyage planning has to be published via NtS messages. Information that is not relevant in terms of safety and voyage planning may be published. Each topic/incident/event has to be published in a separate message.
- 3.2. Does a valid FTM already exist related to the current situation (related to the content as well as to the time of validity)?

### 3.2.1. Yes:

The already existing FTM has to be updated. The respective published message has to be selected and updated in the FTM editor tool. An expired FTM cannot be updated any more.

### 3.2.2. No:

A new FTM has to be compiled. In case a similar event is already coded in an existing FTM the respective FTM can be used as draft for the creation of a new FTM (if this function is available), or a template may be used (if this function is available).

### 3.3. The geographical range of validity is to be set

- 3.3.1. In case the FTM is related to a specific stretch of a waterway, the waterway stretch has to be included, defined by its begin- and end points. If the content applies to several sections of the same waterway or different waterways they can all be listed in one FTM.
- 3.3.2. In case the FTM is related to a specific object (e.g. bridge, lock etc.) on the waterway the respective object is to be selected out of the list of available objects (if selection is

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available). There is no need to define a waterway stretch within the message. In case an FTM applies to several objects they can all be included in one FTM.

3.3.3. Combination of object- and fairway-related information is possible within one message as long as the information relates to one specific cause/event (same subject and reason code).

3.3.4. Although the coordinates are conditional they shall be provided to support the display on maps (often these coordinates are automatically provided by the NtS application).

3.4. Content of the FTM is to be entered

All information that can be expressed using the NtS Reference Tables has to be coded in the standardised message fields. Only additional information (which is not encodable otherwise) shall be stated in free text fields.

3.5. The target group(s) concerning the type of vessels and affected directions is/are to be entered if applicable.

3.5.1. In case the message is valid for all crafts (all types of vessels) in all directions the target group shall be left out in order to only code essential information. If the message/limitation is addressed to a specific target group or direction the respective codes are to be selected.

3.5.2. In case the whole message is valid for specific target groups, the target group information is to be provided in the general part of the FTM (and not repeated in the limitation section(s)).

3.5.3. In case there are different target groups applicable to different limitations the target group information is to be provided within the respective limitations (and not repeated in the general part).

3.5.4. In case exemptions from limitations are granted to individual vessels or local traffic by the competent authorities (e.g. vessels participating in an event for which a general blockage is applicable, local ferry traffic in blocked areas) such exemptions need not be taken into account for coding of the target group(s). Such information may be stated in the free text field for additional information.

3.6. The communication section is to be entered if applicable

If additional information is available via a specific source it should be stated in this section. If there is an additional obligation to report via a specific medium it is to be stated in this section.

3.7. The limitation section is to be entered if applicable

If limitations are applicable the limitation section is to be filled. If values bound to limitations are known they have to be stated. It is mandatory to provide values for ship dimensions, the speed limit and the available space for navigation.

All limitations have to include the limitation periods in order to allow proper calculations within voyage planning applications (to ease the work there might be a function provided by the NtS application to copy limitation periods or to select more than one limitation for a limitation period).

3.8. The start date of the validity of the message is to be set

In case the end date of the validity of a message is already known it shall be set as well. The validity end date must not be before the present date.

Note that the validity period information will be used by applications to select the messages, which are to be displayed to users for a requested time.

In case the message is withdrawn:

- (a) before its validity period has begun the start date and end date have to be set to the date of withdrawal;
- (b) and the validity period has already started, the new end dates for all limitations are to be set to the past, the validity date end has to be set to the date of withdrawal.

3.9. The message can be published

#### 4. FTM explanation of codes

4.1. Subject\_code:

Definition of use of Subject Codes:

- **“Warning”**: relevant for safety. The warning must contain at least one limitation that results in direct and concrete endangerment of persons, crafts or facilities, e.g. welding works on a bridge producing sparks, inspection cage/workers hanging from a bridge, obstacle in the fairway,
- **“Announcement”**: relevant for voyage planning or safety. The announcement may contain limitations, e.g. blockage of a lock chamber due to maintenance works, dredging on the fairway, rules of traffic in addition to national legislation,
- **“Info service”**: general information that is not directly linked to voyage planning or safety. The info service must not contain specific limitations, therefore it is not directly relevant to voyage planning or safety. Such information might include e.g. local rules of traffic, Inland ECDIS Update. The validity period is used to specify the time the Info service Message is displayed to the users, not for the period of validity of the provided information (e.g. 1 month or as defined in the national procedures).
- **“Notice withdrawn”**

The subject code ‘Notice withdrawn’ is only used if

- present date is before the start date of validity. In this case only the content of the field ‘additional information in national language’ may be altered, the further content of the message has to stay unchanged. In this case ‘Notice withdrawn’ is used to pull back a notice before it gets valid. This means that ‘Notice withdrawn’ is used for notices that did not reach the start date of the validity and/or for planned measures that will not be carried out (e.g. dredging was planned but cannot be started due to high water level),
- the validity period has already started and the new end dates for all limitations are set to the past. The validity date end has to be set to the date of withdrawal.

In this case measures/events end before the initially set validity period of an already existing FTM has finished.

4.2. Reason\_code

The Reason code should be filled to give additional information to the skippers.

Definition of use of Reason codes:

building work	Announcement of construction works
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calamity	Warning of a calamity
changes of the fairway	Announcement of changes of the fairway
change marks	Announcement of changes of waterway marks
constriction of fairway	Announcement of a reduced width of the fairway if no other reason_code is applicable
damaged marks/signs	Announcement about damaged marks/signs
diver under the water	Warning about diver under water
dredging	Announcement of dredging works
event	Announcement of events e.g. swimming-, sailing- or rowing competition
exercises	Announcement of exercises e.g. rescue- or military exercises
explosives clearing operation	Announcement of explosives clearing operation
extensive sluicing	Announcement of higher discharge rate as usual through weirs or locks for water management reasons
falling material	Announcement of falling material e.g. icicles, limbs of trees
false radar echos	Announcement of the possibility of false radar echoes
fireworks	Announcement of fireworks
floating material	Announcement regarding floating materials above the water level (visible) and below the water level (invisible)
flow measurement	Announcement of measurement works
health risk	Warning or announcement regarding e.g. through oak processionary caterpillar, leaking gas, etc.
high voltage cable	Announcement of an intersecting high voltage cable
high water	Announcement of a high water situation before the prohibitory water level is reached
ice	Announcement of ice; further information will be sent out via ice-information (Ice-related Message)
Inland ECDIS update	Info service regarding an Inland ECDIS update
inspection	Announcement of inspection works; only used in case of inspection; not used for



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	(repair/building) works. There may be limitations because of inspection cars/cages or scaffolds
launching	Announcement of a vessel leaving a dockyard
local rules of traffic	Info service regarding supplementary or changed rules of valid law or regulation without special limitations, dates of limitations or dates of validity
low water	Announcement of low water situation before the prohibitory water level is reached
lowering water level	Announcement of a controlled lowering of the water level for inspections or works or water management reasons
minimum sluicing	Announcement of lower discharge rate as usual through weirs or locks for water management reasons
new object	Announcement of information regarding a new available object e.g. bridge, berth
obstacle	Announcement of a reduced clearance height and/or reduced width of the fairway because of an obstacle above water level
obstruction under water	Announcement of a reduced available depth and/or for a reduced width of the fairway because of an obstacle under water
prohibitory water level	Announcement of a water level (high water or low water) which causes prohibited navigation
radio coverage	Announcement regarding radio coverage
removal of object	Announcement of removed objects
repair	Announcement in case something is broken or out of order and must be repaired e.g. a lock control system, it can also be used for planned repairs
rising water level	Announcement of natural rising water levels, not because of water management
siltation	Announcement of a reduced available depth because of siltation
sounding works	Announcement of sounding works
special marks	Announcement of the use of special marks e.g. for the blocking from water areas or fishing areas
special transport	Announcement of special transports

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strike	Announcement regarding strike of the operating personnel having impact on availability of waterway infrastructure
water level of cautious navigation	Announcement of a water level (high water or low water) by which particular caution for navigation is needed
work	Announcement of general works at objects, at the banks and/or beds of waterways (rivers- or canals)
limitations	Shall only be used as indication for existing limitations if no other reason code is applicable
others	Shall not be used, in case no other reason code fits, the reason code shall not be filled

#### 4.3. Limitation\_code:

Definition of use of Limitation codes:

— blockage:

In case no form of navigation is possible:

- through a lock chamber,
- through a bridge opening,
- through a specified point on the fairway,
- on a specified section of the fairway.

— partial obstruction:

All parts of infrastructure (e.g. lock chambers, bridge openings) shall have an own ISRS Location Code. In case such codes are still missing partial obstruction may be used in case limited navigation is possible (e.g. only lock area object available for a lock having two parallel chambers)

- through one or more lock chambers of a lock, leaving at least one open,
- through one or more bridge openings, leaving at least one open.

— no service:

shall be used in case a movable bridge is not operated during a specified period. This period should be within the normal operating hours.

No service of a movable bridge means that passing under the bridge is still possible. Otherwise it is a 'Blockage'. No service of a lock is to be encoded as 'Blockage'.

— changed service:

shall be used in case the normal operating hours of objects (e.g. locks, (moveable) bridges) change, are extended or reduced.

— If there are limitations related to allowed vessel/convoy dimensions (not in direct relation with infrastructure), the limitation is to be encoded with the following text elements:

- vessel draught,
- vessel breadth,

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- convoy breadth,
    - vessel length,
    - convoy length,
    - vessel air draught.
  - If available an absolute value shall be provided.
  - If there are limitations related to available size of an object or a waterway section, the following codes are used:
    - clearance height,
    - available length,
    - clearance width,
    - available depth.
  - If available an absolute value shall be provided.
  - least depth sounded: shall be used in case depth may cause problems (e.g. due to siltation). A value for the absolute depth (referred to a reference value) or the reduction of depth shall be provided. If available an absolute value shall be provided.
  - delay: shall be used in case an obstruction/incident with a limited duration occurs at an object or on a waterway section between a specified start and end date.
  - The estimated maximum duration of the obstruction/incident should be encoded. Delay shall not be used in cases when one of several lock chambers of a lock is not available.
  - If specific manoeuvres or actions are prohibited, the respective limitations are to be encoded. These limitations shall only be encoded if they are not already announced via navigational signs or regulations that are encoded in the official Inland ENC:
    - minimum power,
    - alternate traffic direction,
    - no turning,
    - no passing,
    - no overtaking,
    - no berthing,
    - no mooring,
    - no anchoring,
    - no wash of waves,
    - speed limit,
    - not allowed to go ashore.
  - If available an absolute value shall be provided for speed limit and minimum power.
  - special caution: In cases the FTM (or a part of an FTM) is related to a fairway/ waterway this limitation shall be used to indicate on which position of the fairway/ river/canal/lake an incident occurs.
  - Furthermore it shall be used in cases if it is not possible to describe the limitation in detail but it is helpful or necessary to warn or inform skippers that they have to watch out and pay attention to radio information.
  - no limitation: should only be used in case it shall be explicitly stated that there are no limitations in a certain time period.
- 4.4. Limitation interval\_code: Definition of use of interval codes:

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- ‘continuous’: shall be used for limitations that are applicable from a start date/time until an end date/time without interruption (e.g. blockage from 01.01.2016, 00:00 hrs, until 31.03.2016, 23:59 hrs, but also blockage on 17.09.2016 from 08:00 hrs until 18:00 hrs).
- ‘daily’: shall be used for regularly repeated application of a limitation (e.g. no wash of waves during working hours at a dredging site — 07.04.2016 until 11.04.2016, daily from 06:00 hrs until 18:00 hrs).
- day-time (as it is defined in CEVNI): The term ‘day’ means the period between sunrise and sunset.
- night-time (as it is defined in CEVNI): The term ‘night’ means the period between sunset and sunrise.
- Days of the week: If there are intervals related to different days of the week these have to be selected from the following text elements:
  - Monday,
  - Tuesday,
  - Wednesday,
  - Thursday,
  - Friday,
  - Saturday,
  - Sunday,
  - Monday to Friday,
  - Saturday and Sunday.
- ‘in case of restricted visibility’: shall be used if the limitation is only in force in case of conditions in which visibility is reduced owing to fog, haze, snow, rain or other reasons.
- ‘with the exception of’: It must not be used; Interrupted intervals have to be given as separate limitation periods within the same limitation. This is due to the fact that voyage planning software is not able to interpret this code correctly as not taking place at the given date or time. Thus it is not possible to calculate proper ETAs.
- ‘Monday to Friday except public holidays’: is only to be used if public holidays are within the validity period of the limitation. As a service for the users public holiday may be stated in the free text section of the FTM. Voyage planning software will not be able to take national public holidays into account for the calculation of ETAs.

#### 4.5. Indication\_code:

The Indication\_code is intended to be used for information about specific values with regard to certain limitations (e.g. speed limit, minimum power, available depth). In order to determine certain dimensions a reference to either an external reference system (geographical or hydrological) (e.g. clearance height, available depth, least depth sounded) or relative to known dimensions of artificial structures (e.g. available length, clearance width) is necessary.

- 4.5.1. If absolute dimensions or references are known they have to be used. Only if it is not possible to refer to an external reference system relative values should be used.
- 4.5.2. reduced by → this is a relative value
- 4.5.3. maximum → this is an absolute value
- 4.5.4. minimum → this is an absolute value

4.5.5. If the dimension indicating a limitation refers to a geographical or hydrological co-ordinate, the respective reference system has to be indicated in the NtS message (e.g. clearance height min. 4 m referred to highest navigable water level; available depth min. 1,7 m referred to regulated low water level)

4.5.6. If the dimension indicating a limitation refers to a dimension of an artificial structure (e.g. bridge, lock), the reference may be given relative to known dimensions (e.g. clearance height reduced by 1,5 m, available length reduced by 27 m).

4.6. Position\_code (objects):

Wherever possible the Position\_code shall refer to the side of the fairway where the object is located relative to the fairway axis (left/middle/right) or other commonly known information (old/new) or geographic direction (north/south/east/west). The position\_code for objects may be prefilled automatically from the RIS Index reference data. The left/right side of the fairway is defined looking downstream direction.

4.7. Position\_code (fairways/waterways):

A Position\_code for an FTM (or a part of an FTM) that is related to a fairway or waterway is not provided. To indicate on which side of the fairway/canal/river/lake an incident occurs the limitation 'special caution' in combination with the proper limitation Position\_code is used.

4.8. Position\_code (limitations):

4.8.1. Wherever possible the Position\_code shall refer to the side of the fairway or object where the limitation occurs (left/right). The left/right side of the fairway is defined looking downstream direction.

4.8.2. The Position\_code shall direct the attention of the skipper to the side of the fairway where e.g. an area of special interest, a danger or an obstacle is located. Therefore a rough indication (e.g. left bank — left — middle — right — right bank) is sufficient. A finer subdivision is not intended.

4.8.3. If necessary, more precise position information should preferably be given by way of maps or sketches (attachment, see chapter 3.6)

4.8.4. For sections where the usual position indication by fairway side (left/right) does not seem appropriate (e.g. harbour basins, certain canal sections without distinct direction of flow) the cardinal points (north/east/south/west) may be used.

4.9. Target\_group\_code (see chapter 3.5)

4.10. Reporting\_code

4.10.1. The Reporting\_code shall, as a general rule, only be used in case there is a special need for communication (e.g. additional duty to report to local authority with regard to on-site traffic regulation) or where additional information is available (e.g. VHF contact point like channel name or call-sign for current position of dredger) with direct relevance for the FTM.

4.10.2. A routine reiteration of publicly available communication data (e.g. telephone numbers of local authorities, VHF channels of locks, etc.) shall be avoided if there is no direct cause for such communication with reference to the FTM.

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- 4.10.3. Generally applicable means of communication according to official regulation (e.g. ship-to-ship and ship-to-shore VHF communication as laid down by CEVNI or regional or national rules for navigation) shall, as a general rule, not be repeated by the Reporting\_code if there is no direct cause for such communication with reference to the FTM).

4.11. Communication\_code

The following format shall be used (examples):

- VHF 'number, call sign': '10, Schifffahrtsaufsicht Wien'
- Phone or Fax number: '+43123456789, Schifffahrtsaufsicht Wien'
- Internet address: 'http://example.com'
- Sound signalling: 'long blast / langer Ton'
- E-mail: 'example@authority.eu'
- EDI mailbox number: '900012345@edi.bics.nl'
- Teletext: 'ARD, 992 — 995'

4.12. Type\_code:

A waterway is either a canal, lake or river.

- anchoring area
- bank
- beacon
- berth
- border control
- bridge
- bridge opening
- buoy
- cable overhead
- canal (The term 'canal' is used if a message is relating to the whole canal (not just the fairway))
- canal bridge: aqueduct
- culvert
- fairway (The term 'fairway' means that part of the waterway that can actually be used by shipping).
- ferry
- floating dock
- flood gate (A flood gate is used to protect an area in high water situations)
- harbour
- harbour facility
- harbour master's office
- lake (The term 'lake' is used if a message is relating to the whole lake (not just the fairway))
- light
- lock basin: individual lock chamber
- lock: whole lock complex
- mooring facility
- notice mark

- pipeline
- pipeline overhead
- ramp
- refuse dump
- reporting point
- reservoir
- river (The term ‘river’ is used if a message is relating to the whole river (not just the fairway))
- ship lift
- shipyard
- signal station
- terminal
- tide gauge
- tunnel
- turning basin
- vessel traffic centre
- weir (A weir is used to control the water level in rivers).

#### 5. **WRM basic considerations**

Water related messages shall, as a general rule, be generated automatically. Where this is not possible the manual generation of WRM shall follow the processes set out for automatically generated WRM (see NtS Encoding Guide for Developers) as closely as possible.

#### 6. **ICEM basic considerations, steps towards publication of an ICEM**

Ice Messages depend on local observation and assessment and will usually be generated by authorised staff.

An ICEM shall be issued in case of ice. Ice does not necessarily cause limitation for navigation however information about ice condition not hindering navigation may be provided.

##### 6.1. Is there a need to publish information via NtS ICEM?

The first ice message for a stretch shall only be published in case of ice at the waterway or tributaries, also in case there are no limitations.

##### 6.2. Does a valid ICEM already exist for the affected stretch of the waterway?

###### 6.2.1. Yes:

If a message for the affected stretch is (still) valid the already existing message shall be updated. It is possible to update existing ice messages even if the area of applicability changes (e.g. ice is expanding increasing the size of affected stretch).

###### 6.2.2. No:

In case there is no valid ice message available for the affected stretch, a new message is to be created.

##### 6.3. However information about ice condition not hindering navigation may be provided.

##### 6.4. One ICEM is always valid for one single stretch of the waterway. The geographical range of validity is to be set by defining the waterway and the respective begin-

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and end-(hectometre)points (or choosing certain consecutive sections, depending on national implementation).

6.5. Measurement time is to be entered. The respective ice conditions are to be entered by using at least one of the code lists (depending on national requirements).

6.5.1. Ice\_condition\_code

6.5.2. Ice\_accessibility\_code

6.5.3. Ice\_classification\_code

6.5.4. Ice\_situation\_code (the ice situation code should always be provided to allow presentation of ice situation on a map using ‘traffic light’ colours).

6.6. The ICEM can be published. Ice messages will be valid automatically until the next day after publication or until as defined in national procedures.

## 7. **WERM basic considerations**

Taking into account the abundance of available Web Services and apps for weather forecasts and weather warnings WERM should only be used for weather information of specific importance for navigation which is not covered by general weather information services.

Weather related messages shall, as a general rule, be generated automatically. Where this is not possible the manual generation of WERM shall follow the processes set out for automatically generated WERM as closely as possible (see NtS Encoding Guide for application developers).

## 8. **Rules for certain elements**

### 8.1. *Rules for the element ‘name’ related to objects*

Object names are usually prefilled by the NtS editor tool based on RIS Index reference data. Names shall be entered in local language, thus also e.g. diacritics or Cyrillic letters may be used. (e.g. Baarlerbrücke, Volkeraksluis or Mannswörth).

Do not include information on characteristics of feature, the type of object shall not be repeated in the name unless additional information to the object type is given.

E.g.: The lock ‘Schleuse Freudenau’ shall only be named ‘Freudenau’, the object type ‘lock’ is added automatically based on the type\_code.

E.g.: The object name for the Railway bridge in Krems (AT) is ‘Eisenbahnbrücke Krems’. The information ‘railway bridge’ is included in the object name as it adds information in addition to the type\_code ‘bridge’.

E.g.: The object name for a bridge in Linz (AT) is ‘Nibelungenbrücke’. The word ‘brücke’ stays within the object name as it is part of the bridge name itself.

E.g.: The waterway gauge ‘Pegelstelle Wildungsmauer’ is named ‘Wildungsmauer’ as the information that this object is a gauge is already coded in the type\_code.

If a waterway section is the borderline between two countries with different languages, the national object name can be provided in both languages (e.g. ‘Staatsgrenze AT-SK/Statna hranica AT-SK’).

### 8.2. *Rules for the element ‘name’ related to fairways*



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Fairway names are usually prefilled by the NtS editor tool based on RIS Index reference data. The field 'name' shall contain the local name of the respective fairway section (e.g. 'Rhein') Depending on national processes it may be possible to edit the fairway name to include commonly used local names or additions (e.g. 'Rhein am Deutschen Eck').

### 8.3. *Rules for the elements 'value' and 'unit' within limitations*

Unless stated otherwise only cm, m<sup>3</sup>/s, h, km/h and kW, m/s (wind), mm/h (rain) and degree Celsius are allowed to be used as units within NtS messages.

## B.

### NOTICES TO SKIPPERS ENCODING GUIDE FOR APPLICATION DEVELOPERS

#### 1. Background & Structure

Notices to Skippers (NtS) were being implemented in various European countries based on Commission Regulation 416/2007/EC of the European Parliament and of the Council concerning the technical specifications for Notices to Skippers as referred to in Article 5 of RIS directive 2005/44/EC. The NtS standard is in the continuous process of enhancement, a major step forward was the release of the NtS Web Service facilitating exchange of NtS messages between authorities as well as between authorities and NtS users as well as NtS XSD 4.0 streamlining the encoding of NtS messages.

##### 1.1. Purpose of NtS Encoding Guide

The NtS Encoding Guide explains the applicability of the four NtS message types as well as codes to be used in case of certain events. It provides NtS editors with NtS message filling instructions, thus allows nationally and internationally harmonised encoding of NtS messages.

Considering increased use of the NtS web service, NtS messages shall be further harmonised to ensure proper display of content on third party systems. Uniform encoding of messages is also a prerequisite for consideration of messages in voyage planning applications. The NtS Encoding Guide version 1.0 applies to NtS XSD 4.0 and the NtS Web Service WSDL 2.0.4.0.

##### 1.1.1. NtS Encoding Guide for editors

The NtS Encoding Guide for editors is intended for personnel editing (and publishing) NtS messages including step-by-step creation instructions for the proper message types as well as explanation of codes. The encoding guide for editors also includes relevant information for application developers.

##### 1.1.2. NtS Encoding Guide for application developers (this document)

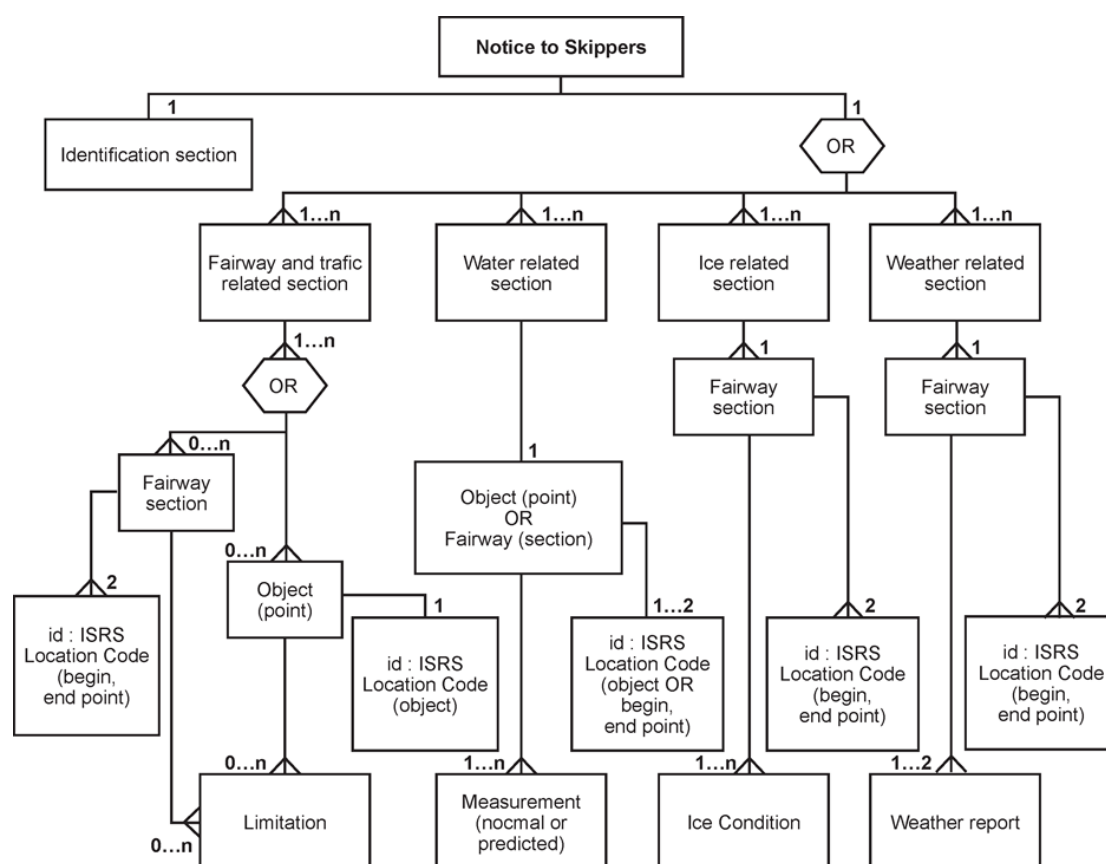
The NtS Encoding Guide for developers includes guidelines for NtS application implementation explaining logic, processes and auto/default values.

#### 2. NtS messages and sections

An NtS message consists of the following:

- the identification section,
- section defining the applicable object(s) or fairway section(s) the message is related to,
- one or more of the following sections according to the message type:
  - limitation(s) for the Fairway and traffic related message,
  - measurement(s) for the Water level related message,
  - ice condition(s) for the Ice related message,
  - weather report(s) for the Weather related message.

**Figure 2 Visualisation of the NtS message structure: mandatory element (1), mandatory element that may occur one or two times (1...2), mandatory element that has to occur two times (2), mandatory elements that may occur as often as necessary (1-n), optional element that may occur as often as necessary (0...n)**



The identification section is mandatory and includes general information about the message originator, sender, date issue, country and original language and is provided together with one of the four different NtS message section types:

- Fairway and traffic related section: a ‘Fairway and Traffic related Message’ (FTM) is usually created by NtS editors following the NtS Encoding Guide for editors. It is related to stretches of waterways (defined by its begin and end ISRS Location Codes and/or objects on the waterway defined by their respective ISRS Location Code. [go to chapter 6]
- Water level related section: a ‘Water Related Message’ (WRM) facilitates provision of information on current and predicted water levels as well as other information. Usually WRM are created automatically (and periodically) based on sensor measurements or infrastructure status not requiring NtS editor interaction. The water related message section contains information for an object (e.g. gauge station) or a fairway section (e.g. least sounded depth for a stretch, applicable regime at a waterway section). The object is identified by its ISRS Location Code, the fairway section is defined by its begin- and end-ISRS Location Codes. [go to chapter 3]
- Ice related section: an ‘ICE Message’ (ICEM) contains information about the ice conditions for a fairway stretch defined by its begin- and end-ISRS Location Codes. [go to chapter 4]
- Weather related section: a ‘WEather Related Message’ (WERM) enables provision of information on current as well as forecasted weather situations on a waterway stretch defined by its begin- and end-ISRS Location Codes. [go to chapter 5]

In addition, the ISRS Location Code (International Ship Reporting Standard) is used to define the applicable object(s) or fairway section(s) the message is related to.

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The ISRS location code is defined in point 4.3 of the Annex to this Regulation.

### 3. WRM basic considerations

Water level information is very important for voyage planning as well as safety. At the moment there is no common standard of referencing water level information. The values of gauges are referring to different sea-levels or to special reference points. To provide a proper reference, the respective 'reference\_code' shall always be provided together with the value. WRM may be used to provide the following information:

- Water level (including predictions),
- Least sounded depth (including predictions),
- Vertical clearance (including predictions),
- Discharge (including predictions),
- Barrage status,
- Regime.

Clarifications for translations in the spreadsheet 'reference\_code' are provided in chapter 7.11.

Usually WRM are created and published automatically based on information received from sensor equipment or information received from infrastructure (e.g. predictions, barrage status). There may be different triggers for WRM publication, e.g. periodically or when certain values are reached.

#### 3.1. *Filling of nts\_number section in the WRM*

In NtS XSD 4.0 the NtS number is optional within WRM messages. If it is provided every number has to be unique (Organisation/Year/Number/Serial) per message type and it is up to the organisation providing the WRM to ensure unique numbers (it is not required to have consecutive numbers).

#### 3.2. *Filling of WRM including predictions*

The date\_start of validity\_period has to be filled with present date (date\_issue) and the date\_end of validity\_period has to be filled with the next day after date\_issue.

To provide changes in e.g. water level in a user-friendly way the difference to a previous comparative measurement may be provided in the WRM difference section. Besides the change in the value (e.g. - 5 [cm]) also the time difference to the comparative measurement has to be provided.

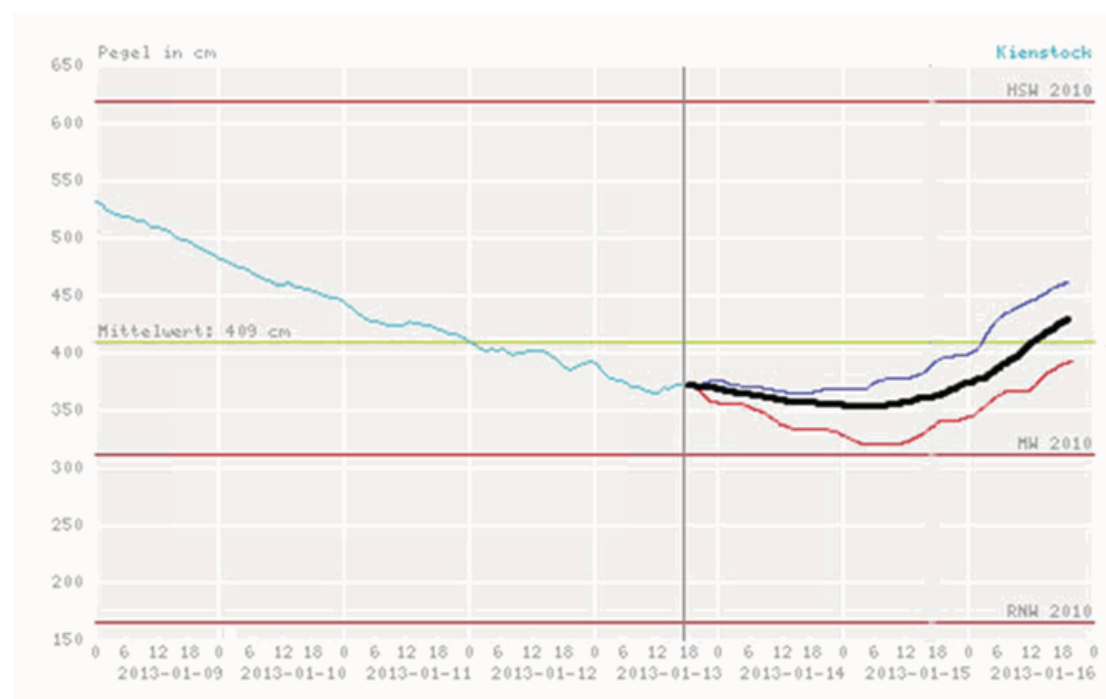
In case of predictions the 'measure\_date' is the date/time the prediction is valid for.

Water level predictions always include a factor of uncertainty. Usually models with different parameters (e.g. weather forecast) are calculated leading to different predicted water level values. To enable provision of a minimum and maximum predicted value e.g. visualisation of a water level prediction confidence interval, two additional optional data fields are included in the WRM 'measure' section.

An illustration of water level prediction confidence interval is given in the following figure:

**Figure 3 Visualisation of water level prediction confidence interval: most probable value (black), confidence interval upper boarder (violet), confidence interval lower boarder (red), measured water level (blue)**(The x-axis shows the time; the y-axis shows the water level in cm)

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Two elements are available in the NtS XSD:

<value\_min> lowest value of confidence interval

<value\_max> highest value of confidence interval

Besides predicted water levels the confidence interval may also be used to state the uncertainty of published least sounded depth and vertical clearance information.

The confidence interval value\_min and value\_max enable provision of WRM value confidence interval via standardised NtS WRM Message to use it in graphs. The raw data itself shall not be displayed to IWT users (e.g. in code format).

The measure\_code 'NOM' must not be used. In case there is no measurement for a certain type of WRM the value elements have to be omitted if a message should be sent anyhow.

#### 4. ICEM processes

Ice Messages depend on local observation and assessment and will usually be generated manually (in case of automatic generation the rules for manual creation have to be followed, see NtS Encoding Guide for editors).

The ICEM is published for a certain fairway\_section defined by its begin and end ISRS Location Codes and contains the ice\_condition at a certain measurement date.

The validity of the ICEM starts at the date of publication (automatically set by the NtS application). In order to avoid ICEM being displayed to users that are not valid any more, the validity date\_end has to be filled automatically by the NtS application with the day after publication (unless it is ensured by national processes that messages will get a validity date end as soon as the information included in the message is not up-to-date any more).

In the NtS Encoding Guide for editors it is described under which circumstances an NtS editor creates a new ICEM or updates an existing ICEM. The following processes apply:

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#### 4.1. *New ICEM*

- (1) NtS applications may offer NtS editors:
  - (a) to use existing notices as draft upon creation of new ICEM (e.g. if ice conditions are similar to the existing notice); and/or
  - (b) to use notice templates for certain situations.
- (2) The content (e.g. time of measurement or respective ice conditions) has to be entered by the editor in line with chapter 6 of the NtS Encoding Guide for editors. The date and time of measurement could also be set by the application according to national definitions.
- (3) When an NtS editor/publishers triggers the publish action:
  - (a) it is checked if all mandatory content is provided in line with the NtS XSD (if not go back to (2));
  - (b) the `nts_number` is generated by the NtS application:
    - (i) the ‘organisation’ is filled with the name or code of the responsible organisation depending on the role of the publishing user;
    - (ii) the ‘year’ is filled with the current year;
    - (iii) the next available ‘number’ is assigned;
    - (iv) the ‘serial number’ 0 is assigned;
  - (c) ‘date\_issue’ is automatically filled with the actual date/time of publish action;
  - (d) ‘validity\_period’ — ‘date\_start’ is automatically filled with the actual date of publication;
  - (e) ‘validity\_period’ — ‘date\_end’ is automatically filled with the next day after the date of publication (unless it is ensured by national processes that messages will get a validity date end as soon as the information included in the message is not up-to-date any more).

#### 4.2. *Update of an existing ICEM*

- (1) The respective published message has to be selected to be updated in the ICEM editor tool. The original ICEM has to be copied or altered in the DB (depending on national processes). Expired ICEM (which passed the `validity_date_end`) cannot be updated any more, if this is the case NtS editors have to create a new ICEM.
- (2) The content (e.g. time of measurement or respective ice conditions) has to be altered by the editor in line with chapter 6 of the NtS Encoding Guide for editors. The date and time of measurement could also be altered by the application according to national definitions.
- (3) When an NtS editor/publisher triggers the publish action:
  - (a) it is checked if all mandatory content is provided in line with the NtS XSD (if not, go back to (2));
  - (b) the `nts_number` is generated by the NtS application:

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- (i) the ‘organisation’ stays unchanged;
- (ii) the ‘year’ stays unchanged;
- (iii) the ‘number’ stays unchanged;
- (iv) the ‘serial number’ is incremented (increased by 1);
- (c) ‘date\_issue’ is automatically filled with the actual date/time of publish action;
- (d) ‘validity\_period’ — ‘date\_start’ is automatically filled with the actual date of publication;
- (e) ‘validity\_period’ — ‘date\_end’ is automatically filled with the next day after the date of publication (unless it is ensured by national processes that messages will get a validity date end as soon as the information included in the message is not up-to-date any more).

## 5. WERM basic considerations

Usually WERM are created and published automatically based on information received from sensor equipment or information received from infrastructure. The date\_start of validity\_period has to be filled with present date (date\_issue) and the date\_end of validity\_period has to be filled with the next day after date\_issue.

The fairway section in WERM is indicated as a stretch between two points on the fairway, i.e. area of applicability of the weather station (gauge).

Date and time of measurement/forecast have to be provided even if it is not mandatory in WERM messages.

In case of forecasts the ‘measure date’ is the date/time the forecast is valid for.

### 5.1. Filling of nts\_number section in the WERM

In NtS XSD 4.0 the NtS number is optional within WERM messages. If it is provided every number has to be unique (Organisation/Year/Number/Serial) per message type and it is up to the organisation providing the WERM to ensure unique numbers (it is not required to have consecutive numbers).

### 5.2. Filling of WERM ‘weather\_category\_code’

The wind speed in ‘weather\_category\_code’ (values 0 to 12) shall be provided in line with the Beaufort scale published by the World Meteorological Organization in its Manual on Marine Meteorological Services ‘WMO-No 558’.

The visibility in ‘weather\_category\_code’ (values 13 to 22) shall be provided as defined in the following table:

Value, meaning	Visibility	Additional information
13, thick fog	below 50 metres	
14, dense fog	below 100 metres	
15, moderate fog	below 200 metres	

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16, fog	below 1 000 metres	Fog consists of water droplets.
17, mist	from 1 km to 4 km	Mist consists of water droplets. Mist is used in case of ‘dry fog’, this phenomenon usually takes place before sunrise.
18, haze	from 1 km to 4 km	Haze consists of dry particles.
19, light haze	from 4 km to 10 km	
20, clear	from 10 km to 20 km	
21, very clear	no limitation of visibility	
22, no fog		‘no fog’ is used to state that there is no fog depending on national/local requirements.

## 6. FTM processes

In the NtS Encoding Guide for editors it is described under which circumstances an NtS editor creates a new FTM or updates an existing FTM. The following processes apply:

### 6.1. New FTM

- (1) NtS applications may offer NtS editors to:
  - (a) use existing notices as draft upon creation of new FTM; and/or
  - (b) use notice templates for certain situations.
- (2) The content (e.g. time of validity, limitations) has to be entered by the editor in line with chapters 3 and 4 of the NtS Encoding Guide for editors.
- (3) When an NtS editor/publisher triggers the publish action:
  - (a) it is checked if all mandatory content is provided in line with the NtS XSD (if not go back to (2));
  - (b) the `nts_number` is generated by the NtS application:
    - (i) the ‘organisation’ is filled with the name or code of the responsible organisation depending on the role of the publishing user;
    - (ii) the ‘year’ is filled with the current year;
    - (iii) the next available ‘number’ is assigned, in case a dedicated number was entered by the NtS editor or an application process in step 2 it is taken over (given that (Organisation/Year/Number/Serial) is unique as explained in chapter 15.1;
    - (iv) the ‘serial number’ 0 is assigned;
  - (c) ‘date\_issue’ is automatically filled with the actual date/time of publish action



## 6.2. *Update/withdrawal of an existing FTM*

- (1) The respective published message has to be selected to be updated in the FTM editor tool, the original FTM has to be copied or altered in the DB (depending on national processes).
  - (a) Expired FTM (which passed the `validity_date_end`) cannot be updated any more, if this is the case NtS editor has to create a new FTM.
  - (b) The subject code 'Notice withdrawn' is only used if:
    - (i) present date is before the `validity_date_start`. In case only the content of the field 'additional information in national language' may be altered, the coded content of the message (step 2) has to stay unchanged;
    - (ii) the validity period already started and the new end date for all limitations is in the past. The end date of the limitation has to be set to the correct time.
  - (c) If a notice is withdrawn the validity period date end always has to be set to date of withdrawal.
- (2) The content (e.g. time of validity, limitations) has to be altered by the editor in line with chapters 3 and 4 of the NtS Encoding Guide for editors.
- (3) When an NtS editor/publisher triggers the publish action:
  - (a) it is checked if all mandatory content is provided in line with the NtS XSD (if not go back to (2));
  - (b) the `nts_number` is generated by the NtS application:
    - (i) the 'organisation' stays unchanged;
    - (ii) the 'year' stays unchanged;
    - (iii) the 'number' stays unchanged;
    - (iv) the 'serial number' is incremented (increased by 1);
  - (c) 'date\_issue' is automatically filled with the actual date/time of publish action
  - (d) FTM with subject code 'Notice withdrawn' shall not be considered for voyage planning (any more).

## 6.3. *Waterway and/or object related FTM*

A waterway related FTM contains information about one or several stretches of waterway. A waterway stretch is defined in the 'fairway\_section' part by its begin and end ISRS Location Codes.

An object related FTM contains information about one or several specific objects on the waterway. An object is defined in the 'object' part by its ISRS Location Code.

One FTM has to refer

- to one or several fairway sections, or
- to one or several objects on one or several fairway sections.

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**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

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#### 6.4. Automatic ordering of limitation codes

Different limitations have different impact on navigation. In order to allow display of the most severe limitation e.g. in an FTM list overview, the following order shall be considered starting with the most severe limitation having Rank 1:

Rank	Value	Meaning (EN)
1	OBSTRU	blockage
2	PAROBS	partial obstruction
3	NOSERV	no service
4	SERVIC	changed service
5	VESDRA	vessel draught
6	VESBRE	vessel breadth
7	CONBRE	convoy breadth
8	VESLEN	vessel length
9	CONLEN	convoy length
10	CLEHEI	clearance height
11	VESHEI	vessel air draught
12	AVALEN	available length
13	CLEWID	clearance width
14	AVADEP	available depth
15	LEADEP	least depth sounded
16	DELAY	delay
17	ALTER	alternate traffic direction
18	TURNIN	no turning
19	PASSIN	no passing
20	OVRTAK	no overtaking
21	NOBERT	no berthing
22	NOMOOR	no mooring
23	ANCHOR	no anchoring
24	SPEED	speed limit
25	WAVWAS	no wash of waves
26	NOSHORE	not allowed to go ashore
27	MINPWR	minimum power
28	CAUTIO	special caution
29	NOLIM	no limitation

#### 6.5. *Handling of limitation period*

- Limitations with the same limitation periods should be grouped/listed together/combined for display to keep it reader-friendly.
- NtS editor tools should provide a function for editors to avoid re-typing of limitation periods.
- All limitations have to include a limitation period with an interval code in order to allow proper calculations within voyage planning applications. To ease the work of NtS editors the following functions may be implemented:

- The NtS editor tool may provide a function to copy already entered limitations to avoid re-typing of the limitation period by the NtS editor.
- The NtS editor tools may provide a function to select more than one limitation code for a specific limitation period and automatically create the required limitation sections based on the information entered by the NtS editor.

- ‘Monday to Friday except public holidays’: The value ‘holidays’ is very difficult for voyage planning applications. A list of holidays for each country is needed for proper calculation. If no such list is available the respective limitations will be assigned to the public holidays nevertheless.

- ‘with the exception of’: must not be used; Interrupted intervals have to be given as separate limitation periods within the same limitation, therefore this code shall not be displayed/available to notice editors.

- Logic and display of information applicable in case of interval code ‘continuous’:

<date\_start>2015-04-01+01</date\_start>

<date\_end>2015-06-30+02</date\_end>

<time\_start>06:00:00</time\_start>

<time\_end>10:00:00</time\_end>

<interval\_code>CON</interval\_code>

If the interval\_code is continuous the start\_time belongs to the start\_date and the end\_time belongs to the end\_date e.g. from 1 April 06:00 to 30 June 10:00

- Logic and display of information applicable in case of any other interval code than ‘continuous’:

<date\_start>2015-04-01+01</date\_start>

<date\_end>2015-06-30+02</date\_end>

<time\_start>06:00:00</time\_start>

<time\_end>10:00:00</time\_end>

<interval\_code>WRK</interval\_code>

If the interval\_code has another value the start\_time and end\_time belongs to this interval\_code e.g. from 1 April to 30 June Monday to Friday from 06:00 to 10:00

- The limitation time end always has to be filled in the last version of a message.

#### 7. **General implementation rules**

The following is to be considered:

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- The table ‘GUI\_labels’ provided in the NtS Reference Tables shall be considered when building NtS applications (search masks, e-mail subscription form, display of messages).
- The date\_end cannot be before date\_start.
- Codes that have been disabled (are not to be used any more) via NtS change requests (see comments in the NtS XSD) shall not be displayed to NtS editors upon creation of new messages. The codes are still included in the NtS XSD enumerations for backwards compatibility.

#### 7.1. *Filling of the ‘number\_section’*

Every number (Organisation/Year/Number/Serial) has to be unique per message type. That means that messages of different types can have the same NtS Number.

For users the message numbers are only relevant for FTM and ICEM, for all other message types display of the message number can be skipped depending on national requirements.

To users the message number shall be displayed in the following format ‘Message Type/Country/Organisation/Year/Number/Serial’ (it can be shortened depending on applied filters if no information gets lost).

#### 7.2. *Filling of elements ‘from’, ‘originator’, ‘organisation’ and ‘source’*

The element ‘from’ in the identification section is filled with the name of the national system that provides the message (e.g. ELWIS, DoRIS, SLOVRIS, FLARIS).

The element ‘originator’ is the organisation which enters the messages into the national systems.

The element ‘source’ is the authority for which the FTM are published.

The element ‘organisation’ within the nts\_number section is the name of the organisation assigning the nts\_number (NtS Provider).

#### 7.3. *Omission of elements*

Elements that would contain only standard or default values shall be omitted if they are conditional, they lead to message overhead with no added value.

Following elements are concerned:

- Target Group: target\_group\_code ALL with direction\_code ALL (if there are no other specific target groups within the message),
- position\_code: AL,
- reason\_code: OTHER.

#### 7.4. *Automatic filling of date\_issue*

FTM and ICEM

For FTM and ICEM the value of date\_issue element is the actual date and time of publishing. In case of updated messages date\_issue is the date and time when the update was published.

WRM and WERM

For WRM and WERM the value of date\_issue element is the date and time of the processing request, because there can be several measurements with different issuing time stamps within one W(E)RM message.

#### 7.5. *Handling of time zone information in NtS messages*

Date and time shall always be provided in local time including time zone information within the NtS XML messages.

The only exceptions from this provision are the ‘time\_start’ and the ‘time\_end’ within the ‘limitation\_period’ section. This is because in the limitation section an interval can be applied. If date start and date end have different time regimes (e.g. CEST and CET) this would result in a change of the time zone information within this interval. This change cannot be expressed via a single limitation period. Instead of creating different limitation periods for each time change only a single limitation period without time zone information is used to reduce overhead in message processing and transmission.

#### 7.6. *Handling of Seconds in NtS messages*

As a general rule seconds have to be provided in (date)/time fields but shall not be displayed to NtS users. Minutes are sufficient for NtS granularity.

#### 7.7. *Format of decimals in NtS messages*

Decimals in numeric fields are indicated with a . (period). No thousand separators are used.

The number of decimals used for values shall be limited to a feasible amount to ensure user-friendly display.

#### 7.8. *Units to be used in NtS messages*

Only cm, m<sup>3</sup>/s, h, km/h and kW, m/s (wind), mm/h (rain) and degree Celsius are allowed to be used as units within NtS messages, applications may convert the units for user friendliness.

In case the input units differ from the standardised units the entered values have to be converted by the application accordingly.

#### 7.9. *Rules for the elements ‘name’, ‘position\_code’ and ‘type\_code’*

The element ‘name’ shall be prefilled automatically from the RIS Index reference data ‘national object name’ (NtS editors might amend the prefilled name if this is a national requirement). Naming conventions for object names are included in the RIS Index Encoding Guide version 2.0 or higher. Examples for proper object names are also given in the NtS Encoding Guide for editors.

The type code is added to the object by the NtS application in front of the object name.

The position of objects is encoded via position code and added to the object by the NtS application out of the RIS Index. Editors may change prefilled type and position codes. An object position code shall not be provided for geo\_objects in the fairway\_section.

A full object name is composed of its position code, type code and name.

To ease the work of NtS editors the following mapping may be implemented in NtS editor tools supporting editors in finding / selecting the proper objects based on the RIS Index function\_code or the NtS type\_code:

**Table 1 Matching ‘RIS Index function\_code’ — ‘NtS type\_code’**

Function Code	Function Code Meaning	Type Code	Type Code Meaning
—	—		

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

BUAARE	E.1.1	Built-Up Areas		to be selected by editor
BUISGL	E.1.2	Building of Navigational Significance		to be selected by editor
brgare	G.1.1 - G.1.6	Bridge Area [C_AGGR()]	BRI	bridge
bridge_5	G.1.1	Bascule Bridge	BRO	bridge opening
bridge_1	G.1.2	Bridges with Bridge Arches	BRO	bridge opening
bridge_1	G.1.3	Fixed Bridge	BRO	bridge opening
bridge_4	G.1.4	Lift Bridge	BRO	bridge opening
bridge_12	G.1.5	Suspension Bridge	BRO	bridge opening
bridge_3	G.1.6	Swing Bridge	BRO	bridge opening
cblohd	G.1.8	Overhead Cable	CAB	cable overhead
pipohd	G.1.9	Overhead Pipe	PPO	pipeline overhead
bridge_7	G.1.12	Drawbridge	BRO	bridge opening
bunsta	G.3.2	Bunker / Fuelling Station	BUS	Bunker / Fuelling Station
cranes	G.3.4	Crane		to be selected by editor
hrbare	G.3.9	Harbour Area	HAR	harbour
hrbsn	G.3.10	Harbour Basin	HAR	harbour

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

ponton	G.3.11	Landing Stage, Pontoon		to be selected by editor
morfac	G.3.12	Mooring Facility	MOO	mooring facility
hulkes	G.3.14	Permanently Moored Vessel or Facility		to be selected by editor
prtare	G.3.15	Port Area	HAR	harbour
refdmp	G.3.17	Refuse Dump	REF	refuse dump
termnl	G.3.19	Terminal	TER	terminal
trm01	G.3.19	RORO-terminal	TER	terminal
trm03	G.3.19	Ferry-terminal	TER	terminal
trm07	G.3.19	Tanker-Terminal	TER	terminal
trm08	G.3.19	Passenger Terminal	TER	terminal
trm10	G.3.19	Container Terminal	TER	terminal
trm11	G.3.19	Bulk Terminal	TER	terminal
vehtrf	G.3.20	Vehicle Transfer Location	BER	berth
lokbsn	G.4.3	Lock Basin	LKB	lock basin
lkbspt	G.4.4	Lock Basin Part	LKB	lock basin
lokare	G.4.3 / G.4.4	Lock Area [C_AGGR()]	LCK	lock

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

excnst	G.4.8	Exceptional Navigational Structure	SLI	ship lift
			TUN	tunnel
			CBR	canal bridge
gatcon	G.4.9	Opening Barrage	BAR	weir
			FLO	flood gate
wtwgag	I.3.4	Waterway Gauge	GAU	tide gauge
FERYRT_2	L.2.1	Cable Ferry	FER	ferry
FERYRT_1	L.2.2.	Free Moving Ferry	FER	ferry
feryrt_4	L.2.3.	Swinging Wire Ferry	FER	ferry
dismar	L.3.2	Distance Mark along Waterway Axis	RIV	river
achare	M.1.1	Anchorage Area	ANC	anchoring area
achbrt	M.1.2	Anchorage Berth	BER	berth
berths_3	M.1.3	Berth / Fleeting Areas	BER	berth
berths_1	M.1.4	Transshipment Berth	BER	berth
trnbsn	M.4.5	Turning Basin	TUR	turning basin
			CAN	canal
			FWY	fairway
rdocal	Q.2.1	Radio Calling-	REP	reporting point



**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

	In Point (notification point)		
chkpnt	R.1.1 Check Point	BCO	border control
sistat_8	R.2.1 Traffic Sistat — Bridge Passage	SIG	signal station
sistat_6	R.2.2 Traffic Sistat — Lock	SIG	signal station
sistat_10	R.2.3 Traffic Sistat — Oncoming Traffic Indicator	SIG	signal station
sistat_2	R.2.4 Traffic Sitat — Port Entry and Departure	SIG	signal station
pas	Passage Points		to be selected by editor
riscen	RIS centre	VTC	vessel traffic centre
specon	Special Construction		to be selected by editor
trafp	Traffic Points (first reporting points)	REP	reporting point
junction	Waterway node / end of waterway / Junction		to be selected by editor
waypt	Waypoint		to be selected by editor
Legend:			
green	Direct match (1:1 relation)		
yellow	matching example, other TypeCodes possible (1:n relation)		
blue	no direct match / to be selected by editor		

#### 7.10. Rules for the element 'fairway\_name'

To avoid application logic / necessity of proper reference data at the receiving system (software displaying the notice to the user) the optional element 'fairway\_name' shall always be included

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in the ‘geo\_object’ and automatically filled by the NtS application with the ‘Waterway name’ from the RIS Index. NtS editors shall not alter the content of the element fairway\_name.

#### 7.11. *Clarifications for translations in the spreadsheet ‘reference\_code’*

The following definition shall be used for reference\_code values provided in the NtS Reference Tables:

- NAP: In the Netherlands the abbreviation NAP is used and understood, NAP is not translated
- KP: ‘channel level’ shall be translated thus provided in national language
- FZP: only the abbreviation ‘FZP’ shall be used (nowadays hardly used anymore)
- ADR: ‘Adriatic Sea’ shall be translated thus provided in national language
- TAW/DNG: ‘Tweede algemene waterpassing’ (Dutch) — ‘Deuzième Nivellement Général’ (French) is the reference height used in Belgium to express height measurements. 0 is the average sea water level at low water in Oostende
  - Dutch: TAW
  - French: DNG
  - All other Languages: TAW/DNG
- LDC: ‘low navigable water level Danube Commission’ shall be translated thus provided in national language
- HDC: ‘high navigable water level Danube Commission’ shall be translated thus provided in national language
- ETRS: ‘European Terrestrial Reference System 1989’ the abbreviation ‘ETRS89’ is used in all languages.

#### 7.12. *Recommendation for the element ‘coordinate’*

Although the element coordinate within the geo object section is conditional, the geo coordinates shall be given in WGS84 in format [d]d mm.mmm[m] N (latitude) and [d][d]d mm.mmm[m] E (longitude). This is to refer the NtS messages geographically.

#### 7.13. *Handling of target groups*

The target group section consists of target group code and direction code. If both have the value ALL the whole section shall be omitted if there are no other specific target groups within the message. If just one of these two is given the other must be filled with the default value ALL because both elements are mandatory.

Further information concerning target groups can be found in the NtS Encoding Guide for editors.

#### 7.14. *Display of valid messages at a given time*

The validity\_period shall be used by applications to select the messages, which are to be displayed to users for a requested time.

If subject\_code is INFSER (Info service) the validity period is used to specify the time the Info service Message is displayed to the users, not for the period of validity of the provided information (e.g. 1 month).

#### 7.15. *Optional functions to increase user friendliness of NtS editor tools*

The following functions may be offered to NtS editors depending on national requirements:

- NtS applications may offer NtS editors to save draft NtS messages (not all mandatory content has to be provided in order to save draft messages)

- Different user roles may apply to different editors (e.g. editors that are allowed to enter/alter notices, publishers that are allowed to publish notices (in addition to editing))

## 8. NtS XML Message Structure

The NtS XML Message Structure and the content and purpose of data elements are defined and further explained in Appendix C: NtS XML Schema Definition (XSD).

## 9. NtS Web Service

### 9.1. Objective

The NtS Expert Group identified the web service technology as an appropriate means to provide the Notices to Skippers.

This chapter constitutes the specification of the web service for the provision of the Notices to Skippers, short NtS Web Service. Particular emphasis was placed on the use of well-established international standards.

One goal of the conceptual design was to ensure a good balance between flexibility and robustness of the resulting web service. The filter parameters provided in the requests are essentially the criteria specified in the NtS standard (waterway section with optional river km, time of validity, date of publication of the notice). This seems sufficiently expressive considering the use cases of the web service and at the same time limits the complexity of the implementation.

The core result is a contract for the web service, in which the requests and responses are specified. The consumers of the web service can rely on this contract and the providers have to comply with it. This contract is specified using the international standard WSDL.

Every participating Member State shall implement one or more web services for the different message types of the NtS (FTM, WRM, ICEM, WERM) and provide them via the internet ('NtS Message Service'),

The technical details of the implementation of the NtS WS, e.g. choice of appropriate data pools, applications and platforms, are not in the scope of this specification and are in the responsibility of each individual participating Member State.

In order to define a secure communication one has to consider various security aspects and protection objectives. Depending on the circumstances not all of these aspects have to be considered. The priority of the various security aspects and the degree of their fulfilment can vary. Also the feasibility of a certain measure can be limited by the capabilities of the technical implementation. In the context of NtS all information are public. So there is no need to secure the NtS data themselves in terms of data protection. Therefore every provider has to decide on its own in how far this aspect will be implemented in its service.

### 9.2. Basic Principles and constraints

#### 9.2.1. Web standards

The NtS Web Service has to comply with the WS-I Basic Profile 1.1. This profile 'provides interoperability guidance for a core set of non-proprietary web services specifications, such as SOAP, WSDL and UDDI'<sup>(6)</sup>. The most relevant standards herein are

- XML Schema Definition (XSD),
- Simple Object Access Protocol (SOAP),
- Web Services Description Language (WSDL), and
- Universal Description, Discovery and Integration (UDDI).

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The response message of the NtS WS is an NtS message which is defined in XML Schema Definition (XSD) in Appendix C of this Commission Regulation.

**SOAP** is an application protocol for data transmission among IT-Systems and is standardised by the World Wide Web Consortiums (W3C).

The specific elements for the NtS Web Service are defined inline in the corresponding WSDL specifications in Appendix D of this Commission Regulation. The schema of the NtS standard (XSD) is included with an import statement.

**UDDI** (Universal Description, Discovery and Integration) is noted here as a central, possibly international registry for web services, where the NtS Web Service could be registered. In this registry potential consumers of the web service could search and find the service. But since the potential providers of the NtS Web Service are limited by the participating Member States and the WSDL specification is an integral part of the standard, the need for an independent registration of the NtS Web Service is not apparent.

### 9.2.2. *Interaction model and encoding method for NtS WS*

The encoding method Document-literal wrapped is used for the NtS Web Service, because it allows for validation against an XML schema and the operation names defined in the WSDL specification are used directly as XML tag names in the SOAP messages.

## 9.3. *General specifications and recommendations*

### 9.3.1. *Specification: Version information*

The version information of the NtS Web Service consists of two sections:

- version of the web service itself,
- version of the NtS schema used by the web service.

The section of the web service itself consists of two parts:

- major version of the web service,
- minor version of the web service.

The major version is given as a positive integer denoting the major version of the web service.

The minor version is given as a non-negative integer denoting the minor version of the web service within the major version.

The section of the NtS schema contains the version of the NtS schema as defined by the NtS Expert Group.

Hence, the version of the NtS Web Service specified here is 2.0.4.0, where 2.0 is the version of the web service itself and 4.0 is the version of the NtS schema used.

Explicit version information is not necessary in the requests or responses of the NtS Web Service. There are only a few versions of the services expected to be online at the same time. Different versions shall be provided with different URLs. Hence, each instance of an NtS Web Service implementation shall support one specific version of the NtS Web Service.

### 9.3.2. *Specification: Structure of namespaces*

The namespaces in the NtS Web Service are based on the web domain of the RIS Expert Groups, <http://www.ris.eu/>

The namespaces contain a particle indicating the corresponding service and version information. Hence, the service specified here uses the following namespace:

NtS Message Service: <http://www.ris.eu/nts.ms/2.0.4.0>

### 9.3.3. Recommendation: Use of namespaces

For higher transparency of XML documents it is recommended to define namespaces in the outmost suitable element in the schemas as well as the instance documents and not to use local namespace definitions in nested elements.

### 9.3.4. Recommendation: Use of namespace prefixes

Requests and responses in the NtS Web Service shall use XML elements in qualified form, i.e. with an explicit namespace prefix, and XML attributes in unqualified form, i.e. without a namespace prefix.

It is recommended to use intuitive namespace prefixes like 'nts' for better human readability.

### 9.3.5. Specification: Use of ISRS Location Codes

The ISRS Location Code is explained in chapter 2 of the NtS Encoding Guide for application developers as well as the RIS Index Encoding Guide.

Querying an NtS Web Service, the client can reference various objects, e.g. fairway sections, gauges or locks. If the corresponding parameters, the id elements, are used, they must contain ISRS Location Codes. These parameters are typically given in id elements, each containing one or two ids.

When using these parameters, the following general conventions have to be observed:

- ISRS Location Codes have to be submitted as full-length 20-character codes, i.e. without truncating trailing zeros,
- If two ids are used within an id element, both ISRS Location Codes have to refer to the same waterway. This means, that the codes include some identical digits located in the fairway\_section part of the ISRS Location Code. The fairway section code together with the fairway hectometre defines a waterway stretch provided as pair of id elements.

For the provision of waterway stretches (id element pairs within the fairway\_section geo\_object) in NtS messages, the following has to be considered with respect to the ISRS Location Codes:

- digits 1 to 2 (Country code):
  - have to be identical within the id pair, but
  - different country codes may be defined within one id pair in case neighbouring countries are using the same fairway section code for a specific waterway and the same system for defining the hectometres,
- digits 3 to 5 (UN Location code):
  - are not relevant, may contain different content within the id pair,
- digits 6 to 10 (Fairway section code):
  - have to be identical within the id pair, but
  - [exception]: in case of using the Belgian ISRS codes within NtS WS, one should use only digits 6 to 8 to identify the fairway section, because NtS messages will be published across different sections within one fairway,
- digits 11 to 15 (Object Reference Code).
  - are not relevant, may contain different content within the id pair,
- digits 16 to 20 (Fairway Hectometre):

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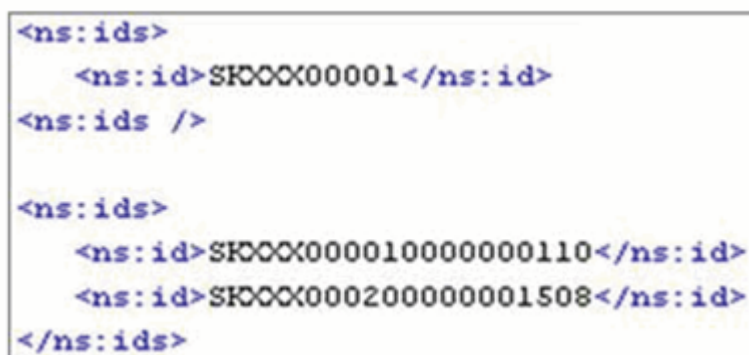
- consist of five numerical digits defining the hectometre thus will usually contain different content within the id pair. Example: '00235' for fairway km 23,5; '00001' for fairway km 0,1,
- [exception]: in case of the Netherlands there is not always a direct connection between the Fairway hectometre and the physical kilometre of the fairway due to the definition of the start of the fairway stretch in the network model and in the real world, in such cases the Object Reference Code for objects of the type 'disarm' starts with Kxxxx (xxxx includes the physical kilometre, e.g. NLSVG00130K000300191 (km 3)). But for other types of objects there is no direct relation to the physical fairway km in the ISRS codes, e.g. the bridge of Sas van Gent on the same fairway at km 2,5 has the ISRS code NLSVG001300521600186. For the Kanaal Gent-Terneuzen the physical km 0,0 starts at the border of Belgium and the Netherlands and the Fairway Hectometre 0,0 starts at the beginning of the canal in Gent.

In case a message touches more than one waterway or fairway sections all fairway sections have to be defined by their begin- and end-point in separate 'fairway\_section' XML elements.

For some countries/regions it is required to build filter functionality. For example if ISRS Location Code (1-2) is BE use ISRS Location Code (6-8) as the ID for linear referencing with the fairway hectometre (ISRS Location Code 16-20). Examples for fairway stretches (valid id element pairs within the fairway\_section) that include above defined exceptions:

- The two NL ISRS Location Codes are a valid definition of a waterway stretch (showing NL exception with respect to the kilometre of the fairway): NLSVG00130K000300191 (km 3,0 at Sas van Gent on the Kanaal Gent-Terneuzen) — NLWDP00130K000400200 (km 4,0 at Westdorpe on the Kanaal Gent-Terneuzen),
- The two BE ISRS Location Codes are a valid definition of a waterway stretch (showing BE exception with respect to the fairway section code ('020' Albertkanaal)): BEGNK02016L010100414 (lock of Genk located at km 41,4 on the Albert Canal) — BEOSH02033L010500772 (lock of Ham located at km 77,2 on the Albert Canal).

The following figure shows counter-examples of ISRS Location Code usage for each of the general conventions (no exceptions to the general conventions apply to SK waterway stretches):



```

<ns:ids>
  <ns:id>SKXXX00001</ns:id>
</ns:ids>

<ns:ids>
  <ns:id>SKXXX0000100000000110</ns:id>
  <ns:id>SKXXX0002000000001508</ns:id>
</ns:ids>

```

### Invalid ISRS Location code queries

*General remark:* A service to query valid ISRS Location Codes is not supported by the NtS Web Service. The ISRS Location Codes are provided within the European Reference Data Management System (ERDMS).

The correct usage of ISRS Location Codes in queries and their interpretation is given in the following five cases.

**Case 1: No ids element in request**

The ids element is an optional part of the request, i.e. a query without any ids elements is allowed:

```
<ns:get_messages_query>
  <ns:message_type>FTM</ns:message_type>
</ns:get_messages_query>
```

**Valid query without ids parameter**

If no ids element is given, all messages shall be returned (depending, of course, on other filter criteria like validity\_period or dates\_issue).

**Case 2: One id element in request**

Each ids element can contain one or two id elements. The case of one id element is shown in the following figure:

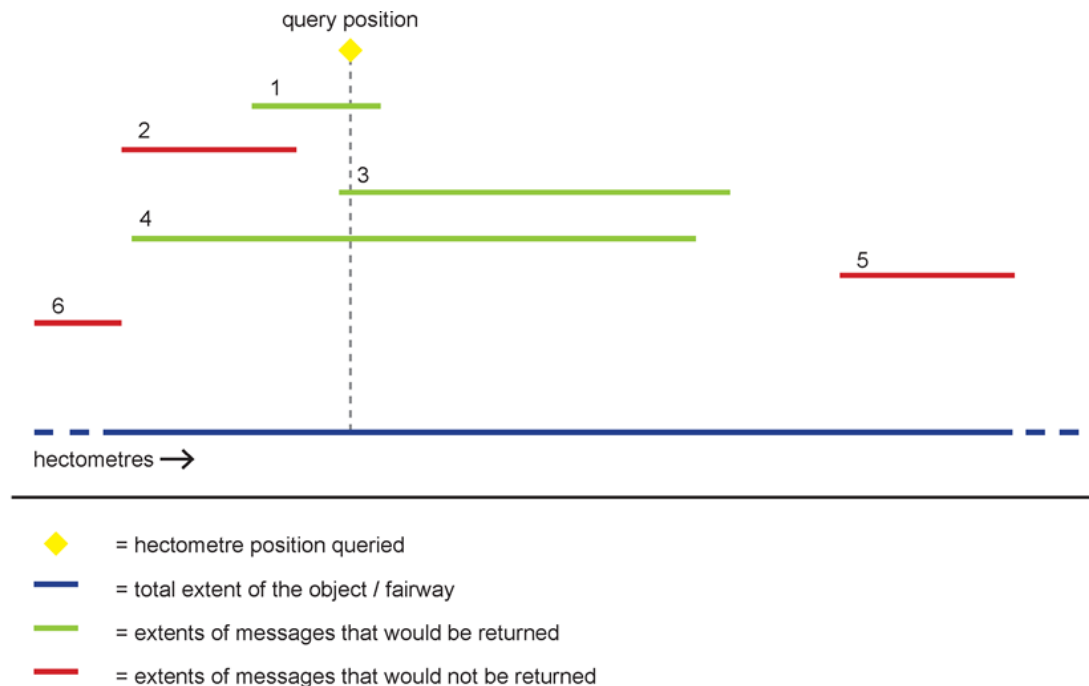
```
<ns:get_messages_query>
  <ns:message_type>FTM</ns:message_type>
  <ns:ids>
    <ns:id>DEXXX007010000002407</ns:id>
  </ns:ids>
</ns:get_messages_query>
```

**Valid query with one id parameter**

If such a query is received, the server shall return all matching messages with a start hectometre  $\leq$  the given value (240,7 in the example) and an end hectometre  $\geq$  this value. The figure below depicts this selection of messages: The position queried lies between the start and end hectometre values of messages 1, 3 and 4, which would be returned. Messages 2, 5 and 6 do not overlap with the query position, so they would not be returned.

If the given ISRS Location Code denotes a singular object, e.g. a gauge or a lock, the web service should return the messages involving this object.

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)



### Matching Case 3: Two id elements in request and not matching messages for one id parameter

Each ids element can contain one or two id elements. The case of two id elements is shown in the following figure:

```
<ns:get_messages_query>
  <ns:message_type>FTM</ns:message_type>
  <ns:ids>
    <ns:id>DEXXX007010000001203</ns:id>
    <ns:id>DEXXX007010000002407</ns:id>
  </ns:ids>
</ns:get_messages_query>
```

### Valid query with two id parameters

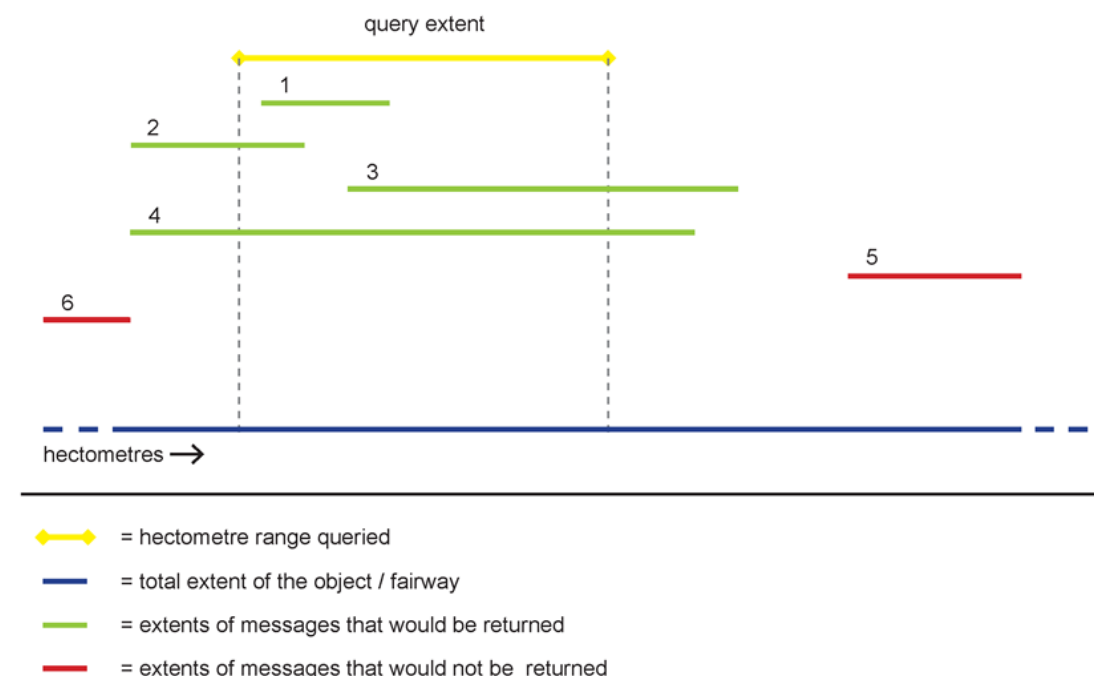
All hectometre values queried shall be treated as valid, even if the corresponding fairway section has different start or end points. For instance, if the fairway section starts at hectometre 100,0 and ends at hectometre 300,0, a request querying hectometres 20,0 up to 400,0 would be valid. Internally, of course, only the 'real' extent of the fairway section is searched.

Doing so also enables the search for all messages on a fairway without knowing its exact hectometre range (one would send its ISRS Location Code with hectometres set to '00000' or '99999' respectively).



**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

All matching messages intersecting the given hectometre interval shall be returned. The following diagram illustrates this situation:



### Matching and not matching messages for two id parameters

The figure above shows, how ‘intersecting’ is defined. While the extents of the messages 1 to 4 overlap with the extent of the queried hectometre range (partially or completely), the extents of messages 5 and 6 do not, therefore messages 1 to 4 will be returned, 5 and 6 will not be returned.

The technical condition for a message to intersect with an interval [A, B] is: The start hectometre of the message is  $\leq B$  and its end hectometre is  $\geq A$ .

**Combination: Multiple ids elements in request**

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**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

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```

<ns:get_messages_query>
  <ns:message_type>ICEM</ns:message_type>
  <ns:ids>
    <ns:id>SKXXX0000100000000000</ns:id>
  </ns:ids />
  <ns:ids>
    <ns:id>SKXXX000050000000110</ns:id>
    <ns:id>SKXXX000050000000150</ns:id>
  </ns:ids>
  <ns:ids>
    <ns:id>SKXXX000020000001105</ns:id>
  </ns:ids />
  <ns:ids>
    <ns:id>SKXXX000050000002200</ns:id>
    <ns:id>SKXXX000050000003000</ns:id>
  </ns:ids>
</ns:get_messages_query>

```

#### Valid query with multiple ids elements

The combination of several ids elements in the request leads to a union of the corresponding messages. All the ids elements are treated individually and a message will be returned, if it matches at least one of them. Therefore, the following messages would be returned for the given example:

- All messages for the object with the ISRS Location Code SKXXX000010000\*\*\*\* with start hectometre =0 and end hectometre  $\geq 0$  (see Case 2)
- All messages for the object with the ISRS Location Code SKXXX000050000\*\*\*\* which intersect the hectometre interval [11,0, 15,0] (see Case 3)
- All messages for the object with the ISRS Location Code SKXXX000020000\*\*\*\* with start hectometre  $\leq 110,5$  and end hectometre  $\geq 110,5$  (see Case 2)
- All messages for the object with the ISRS Location Code SKXXX000050000\*\*\*\* which intersect the hectometre interval [220,0, 300,0] (see Case 3)

#### 9.4. NtS Message Service (implementation specification)

In this chapter the implementation specification of the NtS message service is given, deduced from the considerations and choices in the preceding chapters.

The NtS message service provides the four types of messages in the NtS:

1. NtS FTM (fairway and traffic related message)
2. NtS WRM (water related message)
3. NtS ICEM (ice message)
4. NtS WERM (weather related message)

An implementation of the NtS message service can support all message types or just a selection. It is allowed that a participating Member State provides more than one service for a specific message type, that complement each other.

#### 9.4.1. Request

In order to achieve a maximum robustness of the service while keeping the complexity on a low level no additional query language is used for the NtS Web Service. Instead the constructs provided by WSDL itself are applied. The specific operations together with their parameters are specified entirely within the WSDL specification. In the case of the NtS Message Service a single operation is defined.

The subject-specific filter criteria are taken from the NtS standard, but extended concerning multiplicity of the parameters:

- type of message (compulsory; one of 'FTM', 'WRM', 'ICEM', 'WERM'),
- specific waterway sections or parts thereof, or specific objects (optional; described by single ISRS Location Codes and/or pairs of ISRS Location Codes),
- time of validity (optional; start date and end date),
- date of publication of the notice (optional; single dates and/or intervals of dates).

Only the messages matching the given criteria are returned by the service.

#### Paging mechanism

In order to control the amount of data a paging mechanism is supported. The paging parameter is defined with a complex type containing the following elements:

- offset: serial number of the first returned message (integer  $\geq 0$ ),
- limit: max. number of messages (integer  $\geq 0$ ),
- total count: flag, if total number of messages shall be returned (Boolean value).

The complex paging parameter is optional, but if it is present, all elements within have to be given. Then, the paging mechanism works in the following way:

The total number of messages will not exceed the value of the parameter limit, with the exception that a value of 0 means 'no limit'. The response skips as many messages as defined in the parameter offset. In order to provide this mechanism, the service has to observe a temporarily stable (but otherwise arbitrary) sequence of the messages, e.g. between two updates of message data on the underlying data set of the web service. This means that two consecutive identical calls must return the same messages in the same order. The parameter total count determines whether the response shall provide the total number of messages matching the subject-specific criteria. Usually it should be sufficient to request this information with the first response, but omit it in all consecutive responses. This should result in a better performance of the web service.

The paging mechanism provides a means to request the messages iteratively in 'pages'. In order for the paging mechanism to work properly, the same subject-specific parameters have to be provided in each call.

#### 9.4.2. Response

In case of a successful request the NtS Web Service response contains the NtS messages that match the request parameters. The NtS messages have to comply with the NtS schema and can be validated against that schema. Since the message type is a compulsory request parameter, each response can contain only NtS messages of the same message type, FTM, WRM, ICEM or WERM respectively.

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**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

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If the service detects errors while processing the request it can return an arbitrary number of error messages, using the error codes listed in the following subchapter.

One response of an NtS Web Service can contain NtS messages and error messages at the same time.

Optional paging information is returned if the request contained paging parameters. In this case the offset and number of contained messages are mandatory, the total count needs only be present if it has been requested.

Please note: It is assumed that the communication between the web service and the user is technically established, i.e. the service receives the request and the user receives the corresponding response. Technical errors, e.g. breakdown of the internet connection or inaccessibility of the web service due to maintenance or crash, are not considered here. Only error situations that happen ‘behind’ the web service layer from the users point of view are considered here.

### *Error messages*

The error codes for the expected error situations are given below, together with an explanation. Only the error code is contained in the response, which is the usual procedure in the XML schema of the NtS.

## ERROR CODES FOR THE NTS MESSAGE SERVICE

Code	Description	Explanation
e010	message type not supported	web service does not support the requested message type
e030	paging parameters inconsistent with messages	parameters for paging mechanism do not fit the available messages, e.g. Offset >= Total Count
e100	syntax error in request	request violates the schema for requests; can be specified in more detail by further e1xx-Codes
e110	incorrect message type	given message type is not known
e120	incorrect type-specific parameters	type-specific parameters are erroneous
e130	incorrect paging parameters	given parameters for the paging mechanism are erroneous
e200	operation not known	the requested operation is unknown
e300	data source unavailable	data source of the web service for the NtS data is temporarily unavailable (technical problem)

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**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

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e310	too many results for request,	server is unable to handle number of results
------	-------------------------------	--

### 9.5. Generation of services and clients

If the contract-first approach is consequently observed, i.e. one or more contracts with complete descriptions of the interfaces are given in the form of WSDL documents, an implementation of the service(s) as well as an implementation of a corresponding client can be automatically generated using appropriate software tools. In an ideal situation no manual changes have to be made in the generated source code.

However, in most cases several iterations are necessary until the WSDL specification meets the precise requirements of such a tool. Typically the tool makes individual demands on the use of the WSDL standard in order to work smoothly. As a consequence changes to the WSDL specification may be necessary, although the WSDL specification was a valid specification according to the WSDL standard in the first place. If the WSDL specification of the web service is changed after the service or the client have been generated, a new generation process may be necessary, depending on the changes made.

### Glossary

Term	Explanation
ID	Identification
ISRS Location Code	'International Ship Reporting Standard' Location Code
NtS	Notices to Skippers
RIS	River Information Services
SOAP	Simple Object Access Protocol; network protocol typically used for web services
UDDI	Universal Description, Discovery and Integration; Standard for registry services in the context of web services
UN	United Nations
URL	Uniform Resource Locator; location of a network resource typically used for internet addresses
WGS 84	World Geodetic System 1984
WS	Web Service; service that provides its interfaces in the internet and is used by internet communication
WSDL	Web Services Description Language; standard for the specification of web services
WS-I	Web Services Interoperability Organisation; industry consortium with the objective to support interoperability of web services

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**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

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XML	Extensible Markup Language; meta language for the structured and platform independent representation of data
XSD	XML Schema Definition; standard to specify the structure of XML documents

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

## Appendix C

No	Tag (Group headers and closers are boldly printed)	Description	Occ.	Rule
	xmlns:nts="http://www.ris.eu/nts/4.0.4.0"			
	<RIS_Message>	Notice to Skippers		
1s	<b>&lt;identification&gt;</b>	<b>Identification section</b>	M	1
1.1	<internal_index_id> (64)</internal_index_id>	Internal index ID	C	
1.2	<from> (64)</from>	Sender (System) of the message	M	
1.3	<originator> (64)</originator>	Originator (initiator) of the information in this message	M	
1.4	<country_code> (3)</country_code>	Country where the message is valid	M	
1.5	<language_code> (3)</language_code>	Original language used in the textual info. (contents)	M	
1.6	<district> (64)</district>	District Region within the specified country, where the message is applicable	C	
1.7	<date_issue> (10)</date_issue>	Date and time of publication including time zone (yyyy-mm-ddThh:mm:ss+hh:mm)	M	
1e	<b>&lt;/identification&gt;</b>			

Legend for Occurrence (Occ.):  
Mandatory (M)  
Conditional (C)

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

<b>2s</b>	<b>&lt;ftm&gt;</b>	<b>Fairway and traffic related section</b>	<b>C</b>	<b>1</b>
2.1	<internal_id (64)</internal_id>	Internal ID	C	
2.2s	<nts_number>	NtS Number	M	
2.2.1	<organisation (64)</organisation>	Notexsfiling publishing organisation (NtS Provider)	M	
2.2.2	<year>xs:year (1900-9999)</year>	Year of first signing of the notice	M	
2.2.3	<number> (0-99999999)</number>	Number of notices (per year, starting with: 1, 0 shall not be used for published notices)	M	
2.2.4	<serial_number (0-99)</serial_number>	Serial number of notice (replacements and withdrawals), original notice: 0	M	
2.2e	</nts_number>			
2.3s	<target_group>	Target group information	C	
2.3.1	<target_group_code_enum>	Target group code (type) for this message	M	
2.3.2	<direction_code_enum>	Upstream or downstream traffic, or both	M	5
2.3e	</target_group>			
2.4	<subject_code>	Subject code	M	

Legend for Occurrence (Occ.):  
Mandatory (M)  
Conditional (C)



**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

2.5s	<validity_period>	Period of validity	M	
2.5.1	<date_start>	Start date of validity period including time zone (yyyy-mm-dd+hh:mm)	M	
2.5.2	<date_end>	End date of validity period including time zone (yyyy-mm-dd+hh:mm)	C	
2.5e	</validity_period>			
2.6	<contents>	Additional information in local language	C	
2.7	<source>	Notifying source (name of authority)	C	
2.8	<reason_code>	Reasons: reason_code_enum</ justification of notice		
2.9s	<communication_channel>	Communication channel information	C	
2.9.1	<reporting_regime>	Reporting regime (information or duty to report)	M	5
2.9.2	<communication_means>	Communication means: communication_code_enum</ (radio, telephone, VHF etc.)	M	
2.9.3	<number>	Telephone, VHF number (including callsign), e-mail address, URL or teletext	C	
2.9.4	<label>	Name of the attachment or additional information	C	

Legend for Occurrence (Occ.):  
Mandatory (M)  
Conditional (C)

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

2.9.5	<remark>Additional (1024)</ remark>	remarks concerning the communication	C	
2.9e	</ communication>			
2.10s	<fairway	Fairway section, also available for objects (no 2.11)	C	2
2.10.1s	<geo_obj	Geo information of fairway	M	5
2.10.1.1	<id>nts:ISRS</ id>	ISRS object type Code of the fairway section (2x) Pattern=[A-Z] {2}[A-Z]{3} [A-Z0-9]{5}[A- Z0-9]{5}[0-9] {5}	M	7
2.10.1.2	<name>x<stage (256)</ name>	Stage name of the fairway section (f.e.: Rhine between bridge A and bridge B)	M	
2.10.1.3	<type_code>type_code</ type_code>	Type of type_code geographical object (default=FWY)	M	
2.10.1.4	<position>Describes position</ position>	position related to the fairway	C	
2.10.1.5s	<coordinate>	Fairway section begin and end coordinates (2x)	C	7
2.10.1.5.1	<lat>xs:float (10-12)</ lat>	float mm.mmm[m] N	M	5
2.10.1.5.2	<long>xs:float (10-13)</ long>	float mm.mmm[m] E	M	5
2.10.1.5e	</ coordinate>			

Legend for Occurrence (Occ.):  
Mandatory (M)  
Conditional (C)

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

2.10.1.6	<fairway (256)</fairway	Waterway string (usefull if no index is available).	C	
2.10.1e	</geo_object>			
2.10.2s	<limitations	Fairway section limitations	C	
2.10.2.1s	<limitations	Limitation periods / intervals (All limitations have to include a limitation period with an interval code in order to allow proper calculations within voyage planning applications)	C	
2.10.2.1.1	<date_start date_start	Start date of limitation period (overall) INCLUDING time zone format=yyyy-mm-dd+hh:mm	M	5
2.10.2.1.2	<date_end date_end	End date of limitation period INCLUDING time zone format=yyyy-mm-dd+hh:mm	C	
2.10.2.1.3	<time_start time_start	Start time of limitation period WITHOUT time zone format=hh:mm:ss [whereas ss=00]	C	
2.10.2.1.4	<time_end time_end	End time of limitation period WITHOUT time zone format=hh:mm:ss [whereas ss=00]	C	

Legend for Occurrence (Occ.):  
Mandatory (M)  
Conditional (C)

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

2.10.2.1.5	<interval interval	Interval for limitation (mandatory M(5) but is set to C to be compatible with former XSD version)	Code_enum</	
2.10.2.1e	</ limitation_period>			
2.10.2.2	<limitation limitation	Kind of limitation	Min_code_enum</ 5	
2.10.2.3	<position position	Describes the position of the limitation related to the fairway	Code_enum</	
2.10.2.4	<value> value	Value of limitation (i.e. max draught)	C	
2.10.2.5	<unit> unit	Unit of the value of the limitation	C	
2.10.2.6	<reference reference_code>	Value for reference	Code_enum</	
2.10.2.7	<indication indication	Minimum indication or reduced by	Code_enum</	
2.10.2.8s	<target_group target_group	Target group information	C	
2.10.2.8.1	<target_group target_group	Target group (code type) for this limitation	Min_group_code_enum</ 5	
2.10.2.8.2	<direction direction	Indicates downstream traffic, or both	Code_enum</ 5	
2.10.2.8e	</ target_group>			
2.10.2e	</ limitation>			
2.10e	</ fairway_section>			
2.11s	<object>	Object section	C	2

Legend for Occurrence (Occ.):

Mandatory (M)

Conditional (C)

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

2.11.1s	<geo_object>	Code Information of object	M	5
2.11.1.1	<ids:isrcs:location_id>	ISRC location Code of the object (1x) Pattern=[A-Z]{2}[A-Z]{3}[A-Z0-9]{5}[A-Z0-9]{5}[0-9]{5}	M	8
2.11.1.2	<name>(256)</name>	Establishment name of the aggregated object	M	
2.11.1.3	<type_code>(256)</type_code>	Type of geographical object	M	
2.11.1.4	<position>(256)</position>	Describes the position related to the object	C	
2.11.1.5s	<coordinates>	Object coordinates (1x)	C	8
2.11.1.5.1	<lat>(10-12)</lat>	Latitude (mm.mmm[m] N)	M	5
2.11.1.5.2	<long>(10-13)</long>	Longitude (mm.mmm[m] E)	M	5
2.11.1.5e	</coordinates>			
2.11.1.6	<fairway>(256)</fairway>	Waterway name (usefull if no index is available).	C	
2.11.1e	</geo_object>			
2.11.2s	<limitations>	Object limitation section	C	
2.11.2.1s	<limitation>	Limitation periods / intervals (All limitations have to include a limitation period	C	

Legend for Occurrence (Occ.):

Mandatory (M)

Conditional (C)

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

		with an interval code in order to allow proper calculations within voyage planning applications)		
2.11.2.1.1	<date_start date_start	Start date of limitation period (overall) INCLUDING time zone format=yyyy-mm-dd+hh:mm	M	5
2.11.2.1.2	<date_end date_end	End date of limitation period INCLUDING time zone format=yyyy-mm-dd+hh:mm	C	
2.11.2.1.3	<time_start time_start	Start time of limitation period WITHOUT time zone format=hh:mm:ss [whereas ss=00]	C	
2.11.2.1.4	<time_end time_end	End time of limitation period WITHOUT time zone format=hh:mm:ss [whereas ss=00]	C	
2.11.2.1.5	<interval interval	Interval for limitation (mandatory M(5) but is set to C to be compatible with former XSD version)	Code_enum</	
2.11.2.1e	</ limitation_period>			
2.11.2.2	<limitation limitation	Kind of limitation	Mn_code_enum</	5
2.11.2.3	<position position	Describes the position of the	Code_enum</	

Legend for Occurrence (Occ.):  
Mandatory (M)  
Conditional (C)

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

		limitation related to the fairway		
2.11.2.4	<value>x</value>	Value of limitation (i.e. max draught)	C	
2.11.2.5	<unit>nts</unit>	Unit of the value of the limitation	C	
2.11.2.6	<reference>x</reference>	Value of reference	C	
2.11.2.7	<indication>x</indication>	Indication of the limitation	C	
2.11.2.8s	<target_group>x</target_group>	Target group information	C	
2.11.2.8.1	<target_group_code_enum>x</target_group_code_enum>	Target group code (enum)	C	
2.11.2.8.2	<direction>x</direction>	Direction of traffic, or both	C	5
2.11.2.8e	</target_group>			
2.11.2e	</limitation>			
2.11e	</object>			
2e	</ftm>			
<b>3s</b>	<b>&lt;wrm&gt;</b>	<b>Water related section</b>	C	1
3.1	<internal_id>(64)</internal_id>	Internal ID	C	
3.2s	<nts_number>x</nts_number>	NtS Number	C	
3.2.1	<organisation_name>(64)</organisation_name>	Organisation name (NtS Provider)	M	5
3.2.2	<year>x</year>	Year of notice	M	5

Legend for Occurrence (Occ.):  
Mandatory (M)  
Conditional (C)

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

3.2.3	<number> (0-9999999999) </number>	Number of the notice (see Developers Guide for WRM-Message Number generation)	M	5
3.2.4	<serial_number> (0-99) </serial_number>	Serial number of the notice (see Developers Guide for WRM-Message Serial Number generation)	M	5
3.2e	</nts_number>			
3.3s	<validity_period>	Period of validity	M	
3.3.1	<date_start> date_start	Start date of validity period including time zone (yyyy-mm-dd+hh:mm)	M	
3.3.2	<date_end> date_end	End date of validity period including time zone (yyyy-mm-dd+hh:mm)	C	
3.3e	</validity_period>			
3.4s	<geo_object>	Geo-Information of measurement location	M	5
3.4.1	<id> id	ISRS object type Code of the object/fairway (1x or 2x) Pattern=[A-Z]{2}[A-Z]{3}[A-Z0-9]{5}[A-Z0-9]{5}[0-9]{5}	M	9
3.4.2	<name> (256) </name>	Short name of the object/fairway	M	

Legend for Occurrence (Occ.):  
Mandatory (M)  
Conditional (C)



**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

3.4.3	<type_code> type_code	type_code geographical object/fairway	M	
3.4.4	<position> position	Describes the position position related to the object/ fairway	C	
3.4.5s	<coordinates> coordinates	Object/Fairway coordinates (1x or 2x)	C	9
3.4.5.1	<lat> (10-12) lat	float mm.mmm[m] N	M	5
3.4.5.2	<long> (10-13) long	float mm.mmm[m] E	M	5
3.3.5e	</ coordinate>			
3.3.6	<fairway> (256) fairway	Waterway string (usefull if no RISE index is available).	C	
3.4e	</ geo_object>			
3.5	<reference> reference	Value for reference (measurement reference)	C	6
3.6s	<measurements> measurements	Measurements (normal or predicted values)	M	5
3.6.1	<predicted> predicted	Boolean measurement (1 or true) or real measurement (0 or false)	M	
3.6.2	<measurements> measurements	Kind of code-related information	C	
3.6.3	<value> value	Measured or predicted value	C	10

Legend for Occurrence (Occ.):  
Mandatory (M)  
Conditional (C)

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

3.6.4	<value_min> value_min	Lowest value/ of confidence interval	C	
3.6.5	<value_max> value_max	Highest value/ of confidence interval	C	
3.6.6	<unit> unit	Unit of the water related value	C	
3.6.7	<barrage_code> barrage_code	Barrage code	C	11
3.6.8	<regime_code> regime_code	Regime code	C	12
3.6.9	<measured_date> measured_date	Date and time of measurement or predicted value including time zone Format=yyyy- mm- ddThh:mm:ss +hh:mm	M	
3.6.10s	<difference> difference	Difference with comparative value	C	
3.6.10.1	<value_difference> value_difference	Difference with comparative value	M	5
3.6.10.2	<time_difference> time_difference	Time difference of measured date of comparative value	M	5
3.6.10e	</difference>			
3.6e	</measure>			
3e	</wrm>			
4s	<icem>	Ice related section	C	1
4.1	<internal_id> (64)</internal_id>	Internal ID	C	

Legend for Occurrence (Occ.):  
Mandatory (M)  
Conditional (C)

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

4.2s	<nts_number>	NtS Number	M	
4.2.1	<organisation(64)</organisation>	Non-existing publishing organisation (NtS Provider)	M	
4.2.2	<year>x</year>	Current year of notice (1900-9999)	M	
4.2.3	<number>(0-9999999)</number>	Number of notice (per year, starting with: 1, 0 shall not be used for published notices)	M	
4.2.4	<serial_number>(0-99)</serial_number>	Serial number of notice, original notice: 0	M	
4.2e	</nts_number>			
4.3s	<validity_period>	Period of validity	M	
4.3.1	<date_start>date_start	Start date of validity period including time zone (yyyy-mm-dd+hh:mm)	M	
4.3.2	<date_end>date_end	End date of validity period including time zone (yyyy-mm-dd+hh:mm)	C	
4.3e	</validity_period>			
4.4s	<fairway_section>	Fairway section — the limitation inside the fairway section cannot be used in the ICEM	M	5
4.4.1s	<geo_object>	Geo Information of fairway	M	5

Legend for Occurrence (Occ.):  
Mandatory (M)  
Conditional (C)

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

4.4.1.1	<id>nts:isr&location/ id>	Code of the fairway section (2x) Pattern=[A-Z]{2}[A-Z]{3}[A-Z0-9]{5}[A-Z0-9]{5}[0-9]{5}	M	
4.4.1.2	<name>x&strahName (256)</ name>	Name of the fairway section (f.e.: Rhine between bridge A and bridge B)	M	
4.4.1.3	<type_code>type_code</ type_code>	Type of geographical object (default=FWY)	M	
4.4.1.4	<position>Describes the position position</ position>	position related to the fairway	Ccode_enum</	
4.4.1.5s	<coordinate>Fairway section begin and end coordinates (2x)		C	7
4.4.1.5.1	<lat>xs:float (10-12)</ lat>	Latitude [mm.mmm[m] N	M	5
4.4.1.5.2	<long>xs:float (10-13)</ long>	Longitude [mm.mmm[m] E	M	5
4.4.1.5e	</ coordinate>			
4.4.1.6	<fairway_name>Waterway name (256)</ fairway_name>	Waterway name (usefull if no fairway name is available).	C	
4.4.1e	</ geo_object>			
4.4e	</ fairway_section>			
4.5s	<ice_conditions>Ice conditions		M	

Legend for Occurrence (Occ.):  
Mandatory (M)  
Conditional (C)

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

4.5.1	<measured_date> and <time> measured date or prediction including time zone Format=yyyy-mm-ddThh:mm:ss+hh:mm	M		
4.5.2	<ice_condition_code> ice_condition_code	nts:ice_condition_code_enum</		
4.5.3	<ice_accessibility_code> ice_accessibility_code	nts:ice_accessibility_code_enum</		
4.5.4	<ice_classification_code> ice_classification_code	nts:ice_classification_code_enum</		
4.5.5	<ice_situation_code> ice_situation_code	nts:ice_situation_code_enum</		
4.5e	</ice_condition>			
4e	</icem>			
<b>5s</b>	<b>&lt;werm&gt;</b>	<b>Weather related section</b>	C	1
5.1	<internal_id> (64)</internal_id>	Internal ID	C	
5.2s	<nts_number>	NtS Number	C	
5.2.1	<organisation_name> (64)</organisation_name> publishing organisation (NtS Provider)	Organisation Name	M	5
5.2.2	<year> (1900-9999)</year>	Year of issuing the notice	M	5
5.2.3	<number> (0-9999999)</number>	Number of notices (per year, starting with: 1, 0 shall not be used for published notices)	M	5

Legend for Occurrence (Occ.):  
Mandatory (M)  
Conditional (C)

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

5.2.4	<serial_number>Serial number of notice, original serial_number: 0	M	5
5.2e	</serial_number>		
5.3s	<validity_period>Period of validity	M	13
5.3.1	<date_start>Start date of validity period including time zone (yyyy-mm-dd+hh:mm)	M	
5.3.2	<date_end>End date of validity period including time zone (yyyy-mm-dd+hh:mm)	C	
5.3e	</validity_period>		
5.4s	<fairway_section>Fairway section	M	
5.4.1s	<geo_object>Geo-Information of fairway	M	
5.4.1.1	<id>ISRS-Object type Code of the fairway section (2x) Pattern=[A-Z]{2}[A-Z]{3}[A-Z0-9]{5}[A-Z0-9]{5}{5}	M	7
5.4.1.2	<name>Name of the fairway section (f.e.: Rhine between bridge A and bridge B)	M	
5.4.1.3	<type_code>Type of geographical object (default=FWY)	M	
5.4.1.4	<position_code>Describes position related to the fairway	C	

Legend for Occurrence (Occ.):  
Mandatory (M)  
Conditional (C)

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

5.4.1.5s	<coordinate>	Fairway section begin and end coordinates (2x)	C	7
5.4.1.5.1	<lat>xs:float (10-12)</lat>	Latitude (mm.mmm[m] N)	M	5
5.4.1.5.2	<long>xs:float (10-13)</long>	Longitude (mm.mmm[m] E)	M	5
5.4.1.5e	</coordinate>			
5.4.1.6	<fairway>(256)</fairway>	Waterway string (usefull if no index is available).	C	
5.4.1e	</geo_object>			
5.4e	</fairway_section>			
5.5s	<weather>	Weather Report (1x or 2x)	M	
5.5.1	<measured>	Date and Time of measurement or predicted value including time zone Format=yyyy-mm-ddThh:mm:ss+hh:mm	C	
5.5.2	<forecast>	Forecast (true/false or 1) OR Actual report (false or 0)	M	
5.5.3	<weather_classification>	Classification of weather class code report (0..Nx)	M	enum</>
5.5.4s	<weather_items>	Weather items (0..Nx)	C	
5.5.4.1	<weather_item>	Weather item (Wave etc)	M	enum</>

Legend for Occurrence (Occ.):  
Mandatory (M)  
Conditional (C)

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

5.5.4.2	<value_minActual float value_minMinimum value	M	5
5.5.4.3	<value_maxMaximum float value_max>	C	
5.5.4.4	<value_gusts float value_gust(Wind)	C	
5.5.4.5	<unit>Unit of the value unit>	C	
5.5.4.6	<weather_classification_code>nts:weather_category_code_enum</weather_category_code>		
5.5.4.7	<direction_direction>nts:weather_direction_code_enum</direction_wave>		
5.5.4.8	<direction_direction>nts:weather_direction_code_enum</direction_wave>		
5.5.4e	</weather_item>		
5.5e	</weather_report>		
5e	</werm>		

Legend for Occurrence (Occ.):  
Mandatory (M)  
Conditional (C)

Rules applicable to table "NtS XSD V.4.0.4.0":

1.	In one <RIS Message> at least two sections have to be filled in: — the <identification> section (1), — one of the following sections: — <ftm> (fairway and traffic related messages) (2), — <wrm> (water related message) (3), — <icem> (ice message) (4), — <werm> (weather related message) (5).
2.	At least one of the Group 2.10 (<fairway section>) or Group 2.11 (<object>) has to be given within <ftm>.
3.	A combinations of <weather_class_code> tags (5.5.3) in section <weather_report> can be given.
4.	In group 4.5 (<ice condition>) at least one of the conditional elements 4.5.2 to 4.5.5 have to be given.



**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

5.	If a conditional group contains mandatory subgroups or elements these will only be mandatory if the group on the higher level is applied.
6.	Element <reference_code> is only mandatory for "WAL" (water level) in <wrn> (3.5).
7.	A <geo_object> in <fairway section> (<ftm> 2.10.1 , <icem> 4.4.1, <werm> 5.4.1) is defined by the begin and end ISRS Location Codes and coordinates (2 ISRS Location Codes and 2 sets of coordinates).
8.	A <geo_object> in <object> section (<ftm> 2.11.1) is defined by the ISRS Location Code and coordinates of its center point (1 ISRS Location Code 1 set of coordinates).
9.	A <geo_object> in <wrn> has 2 ISRS Location Codes and 2 sets of coordinates in case the <type_code> (3.4.3) is "FWY", "RIV" or "CAN", otherwise only 1 ISRS Location Code and 1 set of coordinates has to be given.
10.	If there is a measurement the elements <value> (3.6.3) or <value_min> (3.6.4) and <value_max> (3.6.5) is/are mandatory if <measure_code> (3.6.2) is either "DIS", "VER", "LSD" or "WAL". In case there is no measurement (and a message should be sent anyhow) the value elements shall be omitted.
11.	Element <barrage_code> (3.6.7) is mandatory if <measure code> (3.6.2) is "BAR".
12.	Element <regime_code> (3.6.8) is mandatory if <measure code> (3.6.2) is "REG".
13.	Predictions for more than one <validity_period> (5.3) require individual <werm> messages.
14.	In case of <icem> (4.4.2) and <werm> a <limitation> section is not applicable. Limitations shall be provided via FTM notices.

<?xml version="1.0" encoding="UTF-8"?>

---

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

---

```

<xs:schema xmlns:nts="http://www.ris.eu/nts/4.0.4.0" xmlns:xs="http://www.w3.org/2001/
XMLSchema" targetNamespace="http://www.ris.eu/nts/4.0.4.0"
elementFormDefault="qualified" attributeFormDefault="unqualified" version="4.0.4.0">
  <!--
=====
= definition of main element RIS_Message =
= and corresponding type RIS_Message_Type =
=====
-->
  <xs:element name="RIS_Message" type="nts:RIS_Message_Type">
    <xs:annotation>
      <xs:documentation>River Information Service Message</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:complexType name="RIS_Message_Type">
    <xs:sequence>
      <xs:element name="identification" type="nts:identification_type">
        <xs:annotation>
          <xs:documentation>Identification section</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:choice>
        <xs:annotation>
          <xs:documentation>One msg contains one of these sections</xs:documentation>
        </xs:annotation>
        <xs:element name="ftm" type="nts:ftm_type" maxOccurs="unbounded">
          <xs:annotation>
            <xs:documentation>Fairway and traffic related section</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="wrm" type="nts:wrm_type" maxOccurs="unbounded">
          <xs:annotation>
            <xs:documentation>Water related section</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="icem" type="nts:icem_type" maxOccurs="unbounded">
          <xs:annotation>
            <xs:documentation>Ice related section</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="werm" type="nts:werm_type" maxOccurs="unbounded">
          <xs:annotation>
            <xs:documentation>Weather related section</xs:documentation>
          </xs:annotation>
        </xs:element>
      </xs:choice>

```

```
</xs:sequence>
</xs:complexType>
<!--
=====
= definition of identification_type, =
= used in definition of RIS_Message_Type =
=====
-->
<xs:complexType name="identification_type">
  <xs:sequence>
    <xs:element name="internal_id" type="nts:internal_id_type" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Internal ID</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="from">
      <xs:annotation>
        <xs:documentation>Sender (System) of the message</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="64"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="originator">
      <xs:annotation>
        <xs:documentation>Originator (initiator) of the information in this message</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="64"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="country_code" type="nts:country_code_enum">
      <xs:annotation>
        <xs:documentation>Country where message is valid</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="language_code" type="nts:language_code_enum">
      <xs:annotation>
        <xs:documentation>Original language used in the textual info. (contents)</xs:documentation>
      </xs:annotation>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

---

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

---

```

</xs:element>
<xs:element name="district" minOccurs="0">
  <xs:annotation>
    <xs:documentation>District / Region within the specified country, where the message
    is applicable</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="64"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="date_issue" type="xs:dateTime">
  <xs:annotation>
    <xs:documentation>Date and time of publication including time zone</
    xs:documentation>
  </xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>
<!--
=====
= types used in definition of identification_type =
=====
-->
<xs:simpleType name="country_code_enum">
  <xs:restriction base="xs:string">
    <xs:maxLength value="2"/>
    <xs:enumeration value="AT"/>
    <xs:enumeration value="BE"/>
    <xs:enumeration value="BG"/>
    <xs:enumeration value="CH"/>
    <xs:enumeration value="CY"/>
    <xs:enumeration value="CZ"/>
    <xs:enumeration value="DE"/>
    <xs:enumeration value="DK"/>
    <xs:enumeration value="EE"/>
    <xs:enumeration value="ES"/>
    <xs:enumeration value="FI"/>
    <xs:enumeration value="FR"/>
    <xs:enumeration value="GB"/>
    <xs:enumeration value="GR"/>
    <xs:enumeration value="HR"/>
    <xs:enumeration value="HU"/>
    <xs:enumeration value="IE"/>
    <xs:enumeration value="IT"/>

```

---

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

---

```
<xs:enumeration value="LT"/>
<xs:enumeration value="LU"/>
<xs:enumeration value="LV"/>
<xs:enumeration value="MD"/>
<xs:enumeration value="ME"/>
<xs:enumeration value="MT"/>
<xs:enumeration value="NL"/>
<xs:enumeration value="PL"/>
<xs:enumeration value="PT"/>
<xs:enumeration value="RO"/>
<xs:enumeration value="RS"/>
<xs:enumeration value="SE"/>
<xs:enumeration value="SI"/>
<xs:enumeration value="SK"/>
<xs:enumeration value="RU"/>
<xs:enumeration value="UA"/>
</xs:restriction>
</xs:simpleType>
<xs:simpleType name="language_code_enum">
<xs:restriction base="xs:string">
<xs:maxLength value="2"/>
<xs:enumeration value="DE"/>
<xs:enumeration value="EN"/>
<xs:enumeration value="FR"/>
<xs:enumeration value="NL"/>
<xs:enumeration value="SK"/>
<xs:enumeration value="HU"/>
<xs:enumeration value="HR"/>
<xs:enumeration value="SR"/>
<xs:enumeration value="BG"/>
<xs:enumeration value="RO"/>
<xs:enumeration value="RU"/>
<xs:enumeration value="CS"/>
<xs:enumeration value="PL"/>
<xs:enumeration value="PT"/>
<xs:enumeration value="ES"/>
<xs:enumeration value="SV"/>
<xs:enumeration value="FI"/>
<xs:enumeration value="DA"/>
<xs:enumeration value="ET"/>
<xs:enumeration value="LV"/>
<xs:enumeration value="LT"/>
<xs:enumeration value="IT"/>
<xs:enumeration value="MT"/>
<xs:enumeration value="EL"/>
```

---

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

---

```

<xs:enumeration value="SL"/>
</xs:restriction>
</xs:simpleType>
<!--
=====
= definition of ftm_type, =
= used in definition of RIS_Message_Type =
=====
-->
<xs:complexType name="ftm_type">
<xs:sequence>
<xs:element name="internal_id" type="nts:internal_id_type" minOccurs="0">
<xs:annotation>
<xs:documentation>Internal ID</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="nts_number" type="nts:nts_number_type">
<xs:annotation>
<xs:documentation>NtS Number</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="target_group" type="nts:target_group_type" minOccurs="0"
maxOccurs="unbounded">
<xs:annotation>
<xs:documentation>Target group information</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="subject_code" type="nts:subject_code_enum">
<xs:annotation>
<xs:documentation>Subject code must contain one of the following: Announcement
(ANNOUN), Warning (WARNIN), Notice withdrawn (CANCEL) or Information
service (INFSER). More information on the use of codes can be found in the NtS
Encoding Guide.</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="validity_period" type="nts:validity_period_type">
<xs:annotation>
<xs:documentation>Overall period of validity</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="contents" minOccurs="0">
<xs:annotation>
<xs:documentation>Additional information in local language</xs:documentation>
</xs:annotation>
</xs:simpleType>
<xs:restriction base="xs:string">

```

```
<xs:maxLength value="500"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="source" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Notice source (name of authority)</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="64"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="reason_code" type="nts:reason_code_enum" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Reason / justification of the notice</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="communication" type="nts:communication_type"
  minOccurs="0" maxOccurs="unbounded">
  <xs:annotation>
    <xs:documentation>Communication channel information</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:choice maxOccurs="unbounded">
  <xs:element name="fairway_section" type="nts:fairway_section_type">
    <xs:annotation>
      <xs:documentation>Fairway section</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="object" type="nts:object_type">
    <xs:annotation>
      <xs:documentation>Object section</xs:documentation>
    </xs:annotation>
  </xs:element>
</xs:choice>
</xs:sequence>
</xs:complexType>
<!--
=====
= types used in definition of ftm_type =
=====
-->
<xs:simpleType name="subject_code_enum">
```

---

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

---

```

<xs:restriction base="xs:string">
  <xs:minLength value="3"/>
  <xs:maxLength value="6"/>
  <xs:enumeration value="ANNOUN"/>
  <xs:enumeration value="WARNIN"/>
  <xs:enumeration value="CANCEL"/>
  <!-- the following values are added due to CR 128 -->
  <xs:enumeration value="INFSER"/>
  <!-- obsolete values due to CR 128 but still valid for backwards compatibility -->
  <xs:enumeration value="OBSTRU"/>
  <xs:enumeration value="PAROBS"/>
  <xs:enumeration value="DELAY"/>
  <xs:enumeration value="VESLEN"/>
  <xs:enumeration value="VESHEI"/>
  <xs:enumeration value="VESBRE"/>
  <xs:enumeration value="VESDRA"/>
  <xs:enumeration value="AVALEN"/>
  <xs:enumeration value="CLEHEI"/>
  <xs:enumeration value="CLEWID"/>
  <xs:enumeration value="AVADEP"/>
  <xs:enumeration value="NOMOOR"/>
  <xs:enumeration value="SERVIC"/>
  <xs:enumeration value="NOSERV"/>
  <xs:enumeration value="SPEED"/>
  <xs:enumeration value="WAVWAS"/>
  <xs:enumeration value="PASSIN"/>
  <xs:enumeration value="ANCHOR"/>
  <xs:enumeration value="OVRTAK"/>
  <xs:enumeration value="MINPWR"/>
  <xs:enumeration value="DREDGE"/>
  <xs:enumeration value="WORK"/>
  <xs:enumeration value="EVENT"/>
  <xs:enumeration value="CHGMAR"/>
  <xs:enumeration value="CHGSER"/>
  <xs:enumeration value="SPCMAR"/>
  <xs:enumeration value="EXERC"/>
  <xs:enumeration value="LEADEP"/>
  <xs:enumeration value="LEVDEC"/>
  <xs:enumeration value="LEVRIS"/>
  <xs:enumeration value="LIMITA"/>
  <xs:enumeration value="MISECH"/>
  <xs:enumeration value="ECDISU"/>
  <xs:enumeration value="NEWOBJ"/>
  <xs:enumeration value="CHWWY"/>
  <xs:enumeration value="CONWWY"/>

```



```
<xs:enumeration value="DIVER"/>
<xs:enumeration value="SPECTR"/>
<xs:enumeration value="LOCRUL"/>
<xs:enumeration value="VHFCOV"/>
<xs:enumeration value="HIGVOL"/>
<xs:enumeration value="TURNIN"/>
<xs:enumeration value="CONBRE"/>
<xs:enumeration value="CONLEN"/>
<xs:enumeration value="REMOBJ"/>
</xs:restriction>
</xs:simpleType>
<xs:simpleType name="reason_code_enum">
<xs:restriction base="xs:string">
<xs:minLength value="3"/>
<xs:maxLength value="6"/>
<xs:enumeration value="EVENT"/>
<xs:enumeration value="WORK"/>
<xs:enumeration value="DREDGE"/>
<xs:enumeration value="EXERC"/>
<xs:enumeration value="HIGWAT"/>
<xs:enumeration value="HIWAI"/>
<xs:enumeration value="HIWAI"/>
<xs:enumeration value="LOWWAT"/>
<xs:enumeration value="SHALLO"/>
<xs:enumeration value="CALAMI"/>
<xs:enumeration value="LAUNCH"/>
<xs:enumeration value="DECLEV"/>
<xs:enumeration value="FLOMEA"/>
<xs:enumeration value="BLDWRK"/>
<xs:enumeration value="REPAIR"/>
<xs:enumeration value="INSPEC"/>
<xs:enumeration value="FIRWRK"/>
<xs:enumeration value="LIMITA"/>
<xs:enumeration value="CHGFWY"/>
<xs:enumeration value="CONSTR"/>
<xs:enumeration value="DIVING"/>
<xs:enumeration value="SPECTR"/>
<xs:enumeration value="EXT"/>
<xs:enumeration value="MIN"/>
<xs:enumeration value="SOUND"/>
<xs:enumeration value="OTHER"/>
<xs:enumeration value="STRIKE"/>
<xs:enumeration value="FLOMAT"/>
<xs:enumeration value="EXPLOS"/>
<xs:enumeration value="ICE"/>
```

---

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

---

```

<xs:enumeration value="OBSTAC"/>
<!--the following values are added due to CR 128-->
<xs:enumeration value="CHGMAR"/>
<xs:enumeration value="DAMMAR"/>
<xs:enumeration value="FALMAT"/>
<xs:enumeration value="MISECH"/>
<xs:enumeration value="HEARIS"/>
<xs:enumeration value="HIGVOL"/>
<xs:enumeration value="ECDISU"/>
<xs:enumeration value="LOCRUL"/>
<xs:enumeration value="NEWOBJ"/>
<xs:enumeration value="OBUNWA"/>
<xs:enumeration value="VHFCOV"/>
<xs:enumeration value="REMOBJ"/>
<xs:enumeration value="LEVRIS"/>
<xs:enumeration value="SPCMAR"/>
<!--the following value is added due to CR 155-->
<xs:enumeration value="WERMCO"/>
<!--obsolete values due to CR 128 but still valid for backwards compatibility -->
<xs:enumeration value="INFSER"/>
</xs:restriction>
</xs:simpleType>
<xs:complexType name="communication_type">
<xs:sequence>
<xs:element name="reporting_code" type="nts:reporting_code_enum">
<xs:annotation>
<xs:documentation>Reporting regime (information, or duty to report)</
xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="communication_code" type="nts:communication_code_enum">
<xs:annotation>
<xs:documentation>Communication code (telephone, VHF etc.)</
xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="number" minOccurs="0">
<xs:annotation>
<xs:documentation>Telephone, VHF number (including callsign), e-mail address,
URL or teletext</xs:documentation>
</xs:annotation>
<xs:simpleType>
<xs:restriction base="xs:string">
<xs:maxLength value="128"/>
</xs:restriction>
</xs:simpleType>

```

```
</xs:element>
<xs:element name="label" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Name of the attachment or additional information</
  xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="256"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="remark" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Additional remarks concerning the communication</
  xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="1024"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
</xs:sequence>
</xs:complexType>
<xs:simpleType name="reporting_code_enum">
  <xs:restriction base="xs:string">
    <xs:maxLength value="3"/>
    <xs:enumeration value="INF"/>
    <xs:enumeration value="ADD"/>
    <xs:enumeration value="REG"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="communication_code_enum">
  <xs:restriction base="xs:string">
    <xs:maxLength value="3"/>
    <xs:enumeration value="TE"/>
    <xs:enumeration value="AP"/>
    <xs:enumeration value="EM"/>
    <xs:enumeration value="AH"/>
    <xs:enumeration value="TT"/>
    <xs:enumeration value="FX"/>
    <xs:enumeration value="LS"/>
    <xs:enumeration value="FS"/>
    <xs:enumeration value="SO"/>
    <xs:enumeration value="EI"/>
  </xs:restriction>
</xs:simpleType>
```

---

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

---

```

</xs:restriction>
</xs:simpleType>
<xs:complexType name="object_type">
  <xs:sequence>
    <xs:element name="geo_object" type="nts:geo_object_type">
      <xs:annotation>
        <xs:documentation>Geo Information of object</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="limitation" type="nts:limitation_type" minOccurs="0"
      maxOccurs="unbounded">
      <xs:annotation>
        <xs:documentation>Object limitation section</xs:documentation>
      </xs:annotation>
    </xs:element>
  </xs:sequence>
</xs:complexType>
<!--
=====
= definition of wrm_type, =
= used in definition of RIS_Message_Type =
=====
-->
<xs:complexType name="wrm_type">
  <xs:sequence>
    <xs:element name="internal_id" type="nts:internal_id_type" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Internal ID</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="nts_number" type="nts:nts_number_type" minOccurs="0">
      <xs:annotation>
        <xs:documentation>NtS Number</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="validity_period" type="nts:validity_period_type">
      <xs:annotation>
        <xs:documentation>Overall period of validity</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="geo_object" type="nts:geo_object_type">
      <xs:annotation>
        <xs:documentation>Object section</xs:documentation>
      </xs:annotation>
    </xs:element>

```

```
<xs:element      name="reference_code"      type="nts:reference_code_enum"
minOccurs="0">
<xs:annotation>
<xs:documentation>Value reference (measurement reference)</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="measure" type="nts:measure_type" maxOccurs="unbounded">
<xs:annotation>
<xs:documentation>Measurements (normal or predicted values)</xs:documentation>
</xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>
<!--
=====
= types used in definition of wrm_type =
=====
-->
<xs:complexType name="measure_type">
<xs:sequence>
<xs:element name="predicted" type="xs:boolean">
<xs:annotation>
<xs:documentation>Predicted measurement (1 or true) or real measurement (0 or
false)</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="measure_code" type="nts:measure_code_enum">
<xs:annotation>
<xs:documentation>Kind of water related information</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="value" type="xs:float" minOccurs="0">
<xs:annotation>
<xs:documentation>Measured or predicted value</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="value_min" type="xs:float" minOccurs="0">
<xs:annotation>
<xs:documentation>Lowest value of confidence interval</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="value_max" type="xs:float" minOccurs="0">
<xs:annotation>
<xs:documentation>Highest value of confidence interval</xs:documentation>
</xs:annotation>
</xs:element>
```

---

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

---

```

<xs:element name="unit" type="nts:unit_enum" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Unit of the water related value</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="barrage_code" type="nts:barrage_code_enum" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Barrage status</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="regime_code" type="nts:regime_code_enum" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Regime applicable</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="measuredate" type="xs:dateTime">
  <xs:annotation>
    <xs:documentation>Date and Time of measurement or predicted value including time
    zone</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="difference" type="nts:difference_type" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Difference with comparative value</xs:documentation>
  </xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>
<xs:simpleType name="measure_code_enum">
  <xs:restriction base="xs:string">
    <xs:maxLength value="3"/>
    <xs:enumeration value="DIS"/>
    <xs:enumeration value="REG"/>
    <xs:enumeration value="BAR"/>
    <xs:enumeration value="VER"/>
    <xs:enumeration value="LSD"/>
    <xs:enumeration value="WAL"/>
    <!-- obsolete values due to CR 151 but still valid for backwards compatibility -->
    <xs:enumeration value="NOM"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="barrage_code_enum">
  <xs:restriction base="xs:string">
    <xs:maxLength value="3"/>
    <xs:enumeration value="CLD"/>

```

```
<xs:enumeration value="OPG"/>
<xs:enumeration value="CLG"/>
<xs:enumeration value="OPD"/>
<xs:enumeration value="OPN"/>
</xs:restriction>
</xs:simpleType>
<xs:simpleType name="regime_code_enum">
<xs:restriction base="xs:string">
<xs:maxLength value="2"/>
<xs:enumeration value="NO"/>
<xs:enumeration value="HI"/>
<xs:enumeration value="II"/>
<xs:enumeration value="I"/>
<xs:enumeration value="NN"/>
<xs:enumeration value="LO"/>
</xs:restriction>
</xs:simpleType>
<xs:complexType name="difference_type">
<xs:sequence>
<xs:element name="value_difference" type="xs:float">
<xs:annotation>
<xs:documentation>Difference with comparative value</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="time_difference" type="xs:duration">
<xs:annotation>
<xs:documentation>Time difference with measuredata of comparative
measurement</xs:documentation>
</xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>
<!--
=====
= definition of icem_type, =
= used in definition of RIS_Message_Type =
=====
-->
<xs:complexType name="icem_type">
<xs:sequence>
<xs:element name="internal_id" type="nts:internal_id_type" minOccurs="0">
<xs:annotation>
<xs:documentation>Internal ID</xs:documentation>
</xs:annotation>
</xs:element>
```

---

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

---

```

<xs:element name="nts_number" type="nts:nts_number_type">
  <xs:annotation>
    <xs:documentation>NtS Number</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="validity_period" type="nts:validity_period_type">
  <xs:annotation>
    <xs:documentation>Overall period of validity</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="fairway_section" type="nts:fairway_section_type">
  <xs:annotation>
    <xs:documentation>Fairway section — the limitation inside the fairway section
    cannot be used in the ICEM</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element          name="ice_condition"          type="nts:ice_condition_type"
maxOccurs="unbounded">
  <xs:annotation>
    <xs:documentation>Ice conditions</xs:documentation>
  </xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>
<!--
=====
= types used in definition of icem_type =
=====
-->
<xs:complexType name="ice_condition_type">
  <xs:sequence>
    <xs:element name="measuredate" type="xs:dateTime">
      <xs:annotation>
        <xs:documentation>Date and Time of measurement or prediction including time
        zone</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="ice_condition_code" type="nts:ice_condition_code_enum"
minOccurs="0">
      <xs:annotation>
        <xs:documentation>Condition code</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element          name="ice_accessibility_code"
type="nts:ice_accessibility_code_enum" minOccurs="0">
      <xs:annotation>

```



```
<xs:documentation>Accessibility code </xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="ice_classification_code"
type="nts:ice_classification_code_enum" minOccurs="0">
<xs:annotation>
<xs:documentation>Classification code </xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="ice_situation_code" type="nts:ice_situation_code_enum"
minOccurs="0">
<xs:annotation>
<xs:documentation>Situation code </xs:documentation>
</xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>
<xs:simpleType name="ice_condition_code_enum">
<xs:restriction base="xs:string">
<xs:maxLength value="1"/>
<xs:enumeration value="A"/>
<xs:enumeration value="B"/>
<xs:enumeration value="C"/>
<xs:enumeration value="D"/>
<xs:enumeration value="E"/>
<xs:enumeration value="F"/>
<xs:enumeration value="G"/>
<xs:enumeration value="H"/>
<xs:enumeration value="K"/>
<xs:enumeration value="L"/>
<xs:enumeration value="M"/>
<xs:enumeration value="P"/>
<xs:enumeration value="R"/>
<xs:enumeration value="S"/>
<xs:enumeration value="U"/>
<xs:enumeration value="O"/>
<xs:enumeration value="V"/>
</xs:restriction>
</xs:simpleType>
<xs:simpleType name="ice_accessibility_code_enum">
<xs:restriction base="xs:string">
<xs:maxLength value="1"/>
<xs:enumeration value="A"/>
<xs:enumeration value="B"/>
<xs:enumeration value="F"/>
<xs:enumeration value="L"/>
```

---

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

---

```

<xs:enumeration value="C"/>
<xs:enumeration value="D"/>
<xs:enumeration value="E"/>
<xs:enumeration value="G"/>
<xs:enumeration value="H"/>
<xs:enumeration value="M"/>
<xs:enumeration value="K"/>
<xs:enumeration value="T"/>
<xs:enumeration value="P"/>
<xs:enumeration value="V"/>
<xs:enumeration value="X"/>
</xs:restriction>
</xs:simpleType>
<xs:simpleType name="ice_classification_code_enum">
<xs:restriction base="xs:string">
<xs:maxLength value="1"/>
<xs:enumeration value="A"/>
<xs:enumeration value="B"/>
<xs:enumeration value="C"/>
<xs:enumeration value="D"/>
<xs:enumeration value="E"/>
</xs:restriction>
</xs:simpleType>
<xs:simpleType name="ice_situation_code_enum">
<xs:restriction base="xs:string">
<xs:maxLength value="3"/>
<xs:enumeration value="NOL"/>
<xs:enumeration value="LIM"/>
<xs:enumeration value="NON"/>
</xs:restriction>
</xs:simpleType>
<!--
=====
= definition of worm_type, =
= used in definition of RIS_Message_Type =
=====
-->
<xs:complexType name="worm_type">
<xs:sequence>
<xs:element name="internal_id" type="nts:internal_id_type" minOccurs="0">
<xs:annotation>
<xs:documentation>Internal ID</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="nts_number" type="nts:nts_number_type" minOccurs="0">

```

```
<xs:annotation>
<xs:documentation>NtS Number</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="validity_period" type="nts:validity_period_type">
<xs:annotation>
<xs:documentation>Overall period of validity</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="fairway_section" type="nts:fairway_section_werm_type">
<xs:annotation>
<xs:documentation>Fairway section</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element          name="weather_report"          type="nts:weather_report_type"
maxOccurs="2">
<xs:annotation>
<xs:documentation>Actual or Forecast report sections</xs:documentation>
</xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>
<!--
=====
= types used in definition of werm_type =
=====
-->
<xs:complexType name="fairway_section_werm_type">
<xs:sequence>
<xs:element name="geo_object" type="nts:geo_object_type">
<xs:annotation>
<xs:documentation>Geo Information of fairway</xs:documentation>
</xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>
<xs:complexType name="weather_report_type">
<xs:sequence>
<xs:element name="measuredate" type="xs:dateTime" minOccurs="0">
<xs:annotation>
<xs:documentation>Date and time of measurement or predicted value including time
zone</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="forecast" type="xs:boolean">
<xs:annotation>
```

---

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

---

```

<xs:documentation>Forecast (true or 1) OR Actual report (false or 0)</
xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="weather_class_code" type="nts:weather_class_code_enum"
maxOccurs="unbounded">
<xs:annotation>
<xs:documentation>Classification of weather report</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="weather_item" type="nts:weather_item_type" minOccurs="0"
maxOccurs="unbounded">
<xs:annotation>
<xs:documentation>Weather items</xs:documentation>
</xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>
<xs:simpleType name="weather_class_code_enum">
<xs:restriction base="xs:string">
<xs:maxLength value="6"/>
<xs:enumeration value="CLR"/>
<xs:enumeration value="CLDY"/>
<xs:enumeration value="OCST"/>
<xs:enumeration value="DZZL"/>
<xs:enumeration value="RAIN"/>
<xs:enumeration value="LRAIN"/>
<xs:enumeration value="ORAIN"/>
<xs:enumeration value="HRAIN"/>
<xs:enumeration value="SLEET"/>
<xs:enumeration value="SNOW"/>
<xs:enumeration value="SNFALL"/>
<xs:enumeration value="HAIL"/>
<xs:enumeration value="SHWRS"/>
<xs:enumeration value="THSTRM"/>
<xs:enumeration value="HAZY"/>
<xs:enumeration value="FOG"/>
<xs:enumeration value="FOGPAT"/>
<xs:enumeration value="GALE"/>
<xs:enumeration value="STRM"/>
<xs:enumeration value="HURRC"/>
<xs:enumeration value="FZRA"/>
</xs:restriction>
</xs:simpleType>
<xs:complexType name="weather_item_type">
<xs:sequence>

```

```
<xs:element name="weather_item_code" type="nts:weather_item_code_enum">
  <xs:annotation>
    <xs:documentation>Weather item type (Wind, Wave etc)</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="value_min" type="xs:float">
  <xs:annotation>
    <xs:documentation>Actual or Minimum value</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="value_max" type="xs:float" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Maximum value</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="value_gusts" type="xs:float" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Gusts value (Wind)</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="unit" type="nts:unit_enum" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Unit of the value</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="weather_category_code" type="nts:weather_category_code_enum" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Classification of wind report</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="direction_code_min" type="nts:weather_direction_code_enum" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Direction of wind or wave</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="direction_code_max" type="nts:weather_direction_code_enum" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Direction of wind or wave</xs:documentation>
  </xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>
<xs:simpleType name="weather_item_code_enum">
```

---

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

---

```

<xs:restriction base="xs:string">
  <xs:maxLength value="2"/>
  <xs:enumeration value="WI"/>
  <xs:enumeration value="WA"/>
  <xs:enumeration value="FG"/>
  <xs:enumeration value="RN"/>
  <xs:enumeration value="SN"/>
  <xs:enumeration value="AT"/>
  <xs:enumeration value="WT"/>
</xs:restriction>
</xs:simpleType>
<xs:simpleType name="weather_category_code_enum">
  <xs:restriction base="xs:string">
    <xs:maxLength value="2"/>
    <xs:enumeration value="0"/>
    <xs:enumeration value="1"/>
    <xs:enumeration value="2"/>
    <xs:enumeration value="3"/>
    <xs:enumeration value="4"/>
    <xs:enumeration value="5"/>
    <xs:enumeration value="6"/>
    <xs:enumeration value="7"/>
    <xs:enumeration value="8"/>
    <xs:enumeration value="9"/>
    <xs:enumeration value="10"/>
    <xs:enumeration value="11"/>
    <xs:enumeration value="12"/>
    <xs:enumeration value="13"/>
    <xs:enumeration value="14"/>
    <xs:enumeration value="15"/>
    <xs:enumeration value="16"/>
    <xs:enumeration value="17"/>
    <xs:enumeration value="18"/>
    <xs:enumeration value="19"/>
    <xs:enumeration value="20"/>
    <xs:enumeration value="21"/>
    <xs:enumeration value="22"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="weather_direction_code_enum">
  <xs:restriction base="xs:string">
    <xs:maxLength value="3"/>
    <xs:enumeration value="N"/>
    <xs:enumeration value="NE"/>
    <xs:enumeration value="E"/>

```

```
<xs:enumeration value="SE"/>
<xs:enumeration value="S"/>
<xs:enumeration value="SW"/>
<xs:enumeration value="W"/>
<xs:enumeration value="NW"/>
<xs:enumeration value="WRB"/>
</xs:restriction>
</xs:simpleType>
<!--
=====
= types used in several definitions =
=====
-->
<xs:simpleType name="internal_id_type">
  <xs:annotation>
    <xs:documentation>Internal ID — best practice: global unique identifier</
  xs:documentation>
</xs:annotation>
  <xs:restriction base="xs:string">
    <xs:maxLength value="64"/>
  </xs:restriction>
</xs:simpleType>
<xs:complexType name="nts_number_type">
  <xs:sequence>
    <xs:element name="organisation">
      <xs:annotation>
        <xs:documentation>Name of the publishing organisation (NtS Provider)</
      xs:documentation>
    </xs:annotation>
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:maxLength value="64"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="year">
    <xs:annotation>
      <xs:documentation>Year of first issuing of the notice</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
      <xs:restriction base="xs:gYear">
        <xs:minInclusive value="1900"/>
        <xs:maxInclusive value="9999"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
```

---

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

---

```

<xs:element name="number">
  <xs:annotation>
    <xs:documentation>Number of the notice (per year, starting with: 1, 0 shall not be
    used for published notices)</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="00000000"/>
      <xs:maxInclusive value="99999999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="serial_number">
  <xs:annotation>
    <xs:documentation>Serial number of notice (replacements and withdrawals), original
    notice: 0</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="00"/>
      <xs:maxInclusive value="99"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
</xs:sequence>
</xs:complexType>
<xs:complexType name="validity_period_type">
  <xs:sequence>
    <xs:element name="date_start" type="xs:date">
      <xs:annotation>
        <xs:documentation>Start date of validity period including time zone</
        xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="date_end" type="xs:date" minOccurs="0">
      <xs:annotation>
        <xs:documentation>End date of validity period including time zone</
        xs:documentation>
      </xs:annotation>
    </xs:element>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="fairway_section_type">
  <xs:sequence>
    <xs:element name="geo_object" type="nts:geo_object_type">
      <xs:annotation>

```



```
<xs:documentation>Geo information of fairway</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="limitation" type="nts:limitation_type" minOccurs="0"
maxOccurs="unbounded">
<xs:annotation>
<xs:documentation>Fairway section limitations</xs:documentation>
</xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>
<xs:complexType name="geo_object_type">
<xs:sequence>
<xs:element name="id" type="nts:isrs_code_type" maxOccurs="2">
<xs:annotation>
<xs:documentation>ISRS Location Code of the fairway/object</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="name">
<xs:annotation>
<xs:documentation>Local name of the fairway section</xs:documentation>
</xs:annotation>
<xs:simpleType>
<xs:restriction base="xs:string">
<xs:maxLength value="256"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="type_code" type="nts:type_code_enum" default="FWY">
<xs:annotation>
<xs:documentation>Type of geographical object</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="position_code" type="nts:position_code_enum"
minOccurs="0">
<xs:annotation>
<xs:documentation>Describes the position related to the fairway</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="coordinate" type="nts:coordinate_type" minOccurs="0"
maxOccurs="2">
<xs:annotation>
<xs:documentation>Fairway section begin and end coordinates</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="fairway_name" minOccurs="0">
```

---

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

---

```

<xs:annotation>
<xs:documentation>Waterway name (usefull if no RIS Index is available)</
xs:documentation>
</xs:annotation>
<xs:simpleType>
<xs:restriction base="xs:string">
<xs:maxLength value="256"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
</xs:sequence>
</xs:complexType>
<xs:simpleType name="isrs_code_type">
<xs:annotation>
<xs:documentation>ISRS location code, unique identification of the geo object as
defined in RIS Index encoding guide</xs:documentation>
</xs:annotation>
<xs:restriction base="xs:string">
<xs:length value="20"/>
<xs:pattern value="[A-Z]{2}[A-Z]{3}[A-Z0-9]{5}[A-Z0-9]{5}[0-9]{5}" />
</xs:restriction>
</xs:simpleType>
<xs:simpleType name="type_code_enum">
<xs:restriction base="xs:string">
<xs:maxLength value="3"/>
<xs:enumeration value="RIV"/>
<xs:enumeration value="CAN"/>
<xs:enumeration value="LAK"/>
<xs:enumeration value="FWY"/>
<xs:enumeration value="LCK"/>
<xs:enumeration value="BRI"/>
<xs:enumeration value="RMP"/>
<xs:enumeration value="BAR"/>
<xs:enumeration value="BNK"/>
<xs:enumeration value="GAU"/>
<xs:enumeration value="BUO"/>
<xs:enumeration value="BEA"/>
<xs:enumeration value="ANC"/>
<xs:enumeration value="BER"/>
<xs:enumeration value="MOO"/>
<xs:enumeration value="TER"/>
<xs:enumeration value="HAR"/>
<xs:enumeration value="FDO"/>
<xs:enumeration value="CAB"/>
<xs:enumeration value="FER"/>
<xs:enumeration value="PIP"/>

```

```
<xs:enumeration value="PPO"/>
<xs:enumeration value="HFA"/>
<xs:enumeration value="HMO"/>
<xs:enumeration value="SHY"/>
<xs:enumeration value="REF"/>
<xs:enumeration value="MAR"/>
<xs:enumeration value="LIG"/>
<xs:enumeration value="SIG"/>
<xs:enumeration value="TUR"/>
<xs:enumeration value="CBR"/>
<xs:enumeration value="TUN"/>
<xs:enumeration value="BCO"/>
<xs:enumeration value="REP"/>
<xs:enumeration value="FLO"/>
<xs:enumeration value="SLI"/>
<xs:enumeration value="DUK"/>
<xs:enumeration value="VTC"/>
<xs:enumeration value="RES"/>
<xs:enumeration value="LKB"/>
<xs:enumeration value="BRO"/>
<!--the following value is added due to CR 157-->
<xs:enumeration value="BNS"/>
</xs:restriction>
</xs:simpleType>
<xs:complexType name="coordinate_type">
<xs:sequence>
<xs:element name="lat">
<xs:simpleType>
<xs:restriction base="xs:string">
<xs:minLength value="10"/>
<xs:maxLength value="12"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="long">
<xs:simpleType>
<xs:restriction base="xs:string">
<xs:minLength value="10"/>
<xs:maxLength value="13"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
</xs:sequence>
</xs:complexType>
<xs:complexType name="limitation_type">
```

---

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

---

```

<xs:sequence>
  <xs:element      name="limitation_period"      type="nts:limitation_period_type"
    minOccurs="0" maxOccurs="unbounded">
    <xs:annotation>
      <xs:documentation>Limitation periods / intervals</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="limitation_code" type="nts:limitation_code_enum">
    <xs:annotation>
      <xs:documentation>Kind of limitation</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element      name="position_code"          type="nts:position_code_enum"
    minOccurs="0">
    <xs:annotation>
      <xs:documentation>Describes the position of the limitation related to the fairway</
    xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="value" type="xs:float" minOccurs="0">
    <xs:annotation>
      <xs:documentation>Value of limitation (i.e. max draught)</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="unit" type="nts:unit_enum" minOccurs="0">
    <xs:annotation>
      <xs:documentation>Unit of the value of the limitation</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element      name="reference_code"          type="nts:reference_code_enum"
    minOccurs="0">
    <xs:annotation>
      <xs:documentation>Value reference</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element      name="indication_code"         type="nts:indication_code_enum"
    minOccurs="0">
    <xs:annotation>
      <xs:documentation>Minimum or maximum or reduced by</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="target_group" type="nts:target_group_type" minOccurs="0"
    maxOccurs="unbounded">
    <xs:annotation>
      <xs:documentation>Target group information</xs:documentation>
    </xs:annotation>

```

```
</xs:element>
</xs:sequence>
</xs:complexType>
<xs:complexType name="limitation_period_type">
  <xs:sequence>
    <xs:element name="date_start" type="xs:date">
      <xs:annotation>
        <xs:documentation>Start date of limitation period including time zone</
        xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="date_end" type="xs:date" minOccurs="0">
      <xs:annotation>
        <xs:documentation>End date of limitation period including time zone</
        xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="time_start" type="xs:time" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Start time of limitation period without time zone</
        xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="time_end" type="xs:time" minOccurs="0">
      <xs:annotation>
        <xs:documentation>End time of limitation period without time zone</
        xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="interval_code" type="nts:interval_code_enum" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Interval for limitation if applicable</xs:documentation>
      </xs:annotation>
    </xs:element>
  </xs:sequence>
</xs:complexType>
<xs:simpleType name="interval_code_enum">
  <xs:restriction base="xs:string">
    <xs:maxLength value="3"/>
    <xs:enumeration value="CON"/>
    <xs:enumeration value="DAY"/>
    <xs:enumeration value="WRK"/>
    <xs:enumeration value="WKN"/>
    <xs:enumeration value="SUN"/>
    <xs:enumeration value="MON"/>
    <xs:enumeration value="TUE"/>
```

---

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

---

```
<xs:enumeration value="WED"/>
<xs:enumeration value="THU"/>
<xs:enumeration value="FRI"/>
<xs:enumeration value="SAT"/>
<xs:enumeration value="DTI"/>
<xs:enumeration value="NTI"/>
<xs:enumeration value="RVI"/>
<xs:enumeration value="EXC"/>
<xs:enumeration value="WRD"/>
</xs:restriction>
</xs:simpleType>
<xs:simpleType name="limitation_code_enum">
  <xs:restriction base="xs:string">
    <xs:maxLength value="6"/>
    <xs:enumeration value="OBSTRU"/>
    <xs:enumeration value="PAROBS"/>
    <xs:enumeration value="DELAY"/>
    <xs:enumeration value="VESLEN"/>
    <xs:enumeration value="VESHEI"/>
    <xs:enumeration value="VESBRE"/>
    <xs:enumeration value="VESDRA"/>
    <xs:enumeration value="AVALEN"/>
    <xs:enumeration value="CLEHEI"/>
    <xs:enumeration value="CLEWID"/>
    <xs:enumeration value="AVADEP"/>
    <xs:enumeration value="NOMOOR"/>
    <xs:enumeration value="SERVIC"/>
    <xs:enumeration value="NOSERV"/>
    <xs:enumeration value="SPEED"/>
    <xs:enumeration value="WAVWAS"/>
    <xs:enumeration value="PASSIN"/>
    <xs:enumeration value="ANCHOR"/>
    <xs:enumeration value="OVRTAK"/>
    <xs:enumeration value="MINPWR"/>
    <xs:enumeration value="ALTER"/>
    <xs:enumeration value="CAUTIO"/>
    <xs:enumeration value="NOLIM"/>
    <xs:enumeration value="TURNIN"/>
    <xs:enumeration value="NOSHORE"/>
    <xs:enumeration value="CONBRE"/>
    <xs:enumeration value="CONLEN"/>
    <!-- the following value is added due to CR 128 -->
    <xs:enumeration value="LEADEP"/>
    <!-- the following value is added due to CR 148 -->
    <xs:enumeration value="NOBERT"/>
```

```
</xs:restriction>
</xs:simpleType>
<xs:simpleType name="position_code_enum">
  <xs:restriction base="xs:string">
    <xs:maxLength value="2"/>
    <xs:enumeration value="AL"/>
    <xs:enumeration value="LE"/>
    <xs:enumeration value="MI"/>
    <xs:enumeration value="RI"/>
    <xs:enumeration value="LB"/>
    <xs:enumeration value="RB"/>
    <xs:enumeration value="N"/>
    <xs:enumeration value="NE"/>
    <xs:enumeration value="E"/>
    <xs:enumeration value="SE"/>
    <xs:enumeration value="S"/>
    <xs:enumeration value="SW"/>
    <xs:enumeration value="W"/>
    <xs:enumeration value="NW"/>
    <xs:enumeration value="BI"/>
    <xs:enumeration value="SM"/>
    <xs:enumeration value="OL"/>
    <xs:enumeration value="EW"/>
    <xs:enumeration value="MP"/>
    <xs:enumeration value="FP"/>
    <xs:enumeration value="VA"/>
    <xs:enumeration value="RY"/>
    <xs:enumeration value="GY"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="reference_code_enum">
  <xs:restriction base="xs:string">
    <xs:maxLength value="4"/>
    <xs:enumeration value="NAP"/>
    <xs:enumeration value="KP"/>
    <xs:enumeration value="FZP"/>
    <xs:enumeration value="ADR"/>
    <xs:enumeration value="TAW"/>
    <xs:enumeration value="PUL"/>
    <xs:enumeration value="NGM"/>
    <xs:enumeration value="ETRS"/>
    <xs:enumeration value="POT"/>
    <xs:enumeration value="LDC"/>
    <xs:enumeration value="HDC"/>
    <xs:enumeration value="ZPG"/>
  </xs:restriction>
</xs:simpleType>
```

---

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

---

```

<xs:enumeration value="GLW"/>
<xs:enumeration value="HSW"/>
<xs:enumeration value="LNW"/>
<xs:enumeration value="HNW"/>
<xs:enumeration value="IGN"/>
<xs:enumeration value="WGS"/>
<xs:enumeration value="RN"/>
<xs:enumeration value="HBO"/>
</xs:restriction>
</xs:simpleType>
<xs:simpleType name="indication_code_enum">
<xs:restriction base="xs:string">
<xs:maxLength value="3"/>
<xs:enumeration value="MAX"/>
<xs:enumeration value="MIN"/>
<xs:enumeration value="RED"/>
</xs:restriction>
</xs:simpleType>
<xs:complexType name="target_group_type">
<xs:sequence>
<xs:element name="target_group_code" type="nts:target_group_code_enum"
default="ALL">
<xs:annotation>
<xs:documentation>Target group (vessel type)</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="direction_code" type="nts:direction_code_enum"
default="ALL">
<xs:annotation>
<xs:documentation>Upstream or downstream traffic, or both</xs:documentation>
</xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>
<xs:simpleType name="target_group_code_enum">
<xs:restriction base="xs:string">
<xs:maxLength value="3"/>
<xs:enumeration value="ALL"/>
<xs:enumeration value="CDG"/>
<xs:enumeration value="COM"/>
<xs:enumeration value="PAX"/>
<xs:enumeration value="PLE"/>
<xs:enumeration value="CNV"/>
<xs:enumeration value="PUS"/>
<xs:enumeration value="NNU"/>
<xs:enumeration value="LOA"/>

```



---

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

---

```
<xs:enumeration value="SMA"/>
<xs:enumeration value="CND"/>
<xs:enumeration value="WOC"/>
<xs:enumeration value="MOV"/>
<xs:enumeration value="NMV"/>
</xs:restriction>
</xs:simpleType>
<xs:simpleType name="direction_code_enum">
  <xs:restriction base="xs:string">
    <xs:maxLength value="3"/>
    <xs:enumeration value="ALL"/>
    <xs:enumeration value="UPS"/>
    <xs:enumeration value="DWN"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="unit_enum">
  <xs:restriction base="xs:string">
    <xs:maxLength value="4"/>
    <xs:enumeration value="cm"/>
    <xs:enumeration value="m3/s"/>
    <xs:enumeration value="h"/>
    <xs:enumeration value="km/h"/>
    <xs:enumeration value="kW"/>
    <xs:enumeration value="m/s"/>
    <xs:enumeration value="mm/h"/>
    <xs:enumeration value="°C"/>
  </xs:restriction>
</xs:simpleType>
</xs:schema>
```

---

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

---

## Appendix D

<?xml version="1.0" encoding="UTF-8"?>

<wsdl:definitions

xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"  
 xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"  
 xmlns:http="http://schemas.xmlsoap.org/wsdl/http/"  
 xmlns:xs="http://www.w3.org/2001/XMLSchema"  
 xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"  
 xmlns:mime="http://schemas.xmlsoap.org/wsdl/mime/"  
 xmlns:nts="http://www.ris.eu/nts/4.0.4.0"  
 xmlns:tns="http://www.ris.eu/nts.ms/2.0.4.0"  
 targetNamespace="http://www.ris.eu/nts.ms/2.0.4.0"  
 name="NtS-Message-Service">

<!--

= specification of types =

-->

<wsdl:types>

<!--

= xml-schema for types =

-->

<xs:schema

targetNamespace="http://www.ris.eu/nts.ms/2.0.4.0"

xmlns:xs="http://www.w3.org/2001/XMLSchema"

xmlns:nts="http://www.ris.eu/nts/4.0.4.0"

xmlns:nts-ms="http://www.ris.eu/nts.ms/2.0.4.0"

elementFormDefault="qualified"

attributeFormDefault="unqualified"

version="2.0.4.0">

<!-- import NtS schema -->

<xs:import

namespace="http://www.ris.eu/nts/4.0.4.0"

schemaLocation="http://www.ris.eu/nts/4.0/NtS\_XSD\_V.4.0.4.0.xsd"/>

<!-- query with filters, parameters according to the NtS standard -->

<xs:element name="get\_messages\_query">

<xs:complexType>

<xs:sequence>

<!-- type of message (FTM, WRM, ICEM, WERM) -->

<xs:element name="message\_type" type="nts-ms:message\_type\_type"/>

<!-- ISRS codes for fairway sections or objects -->

<xs:element name="ids" type="nts-ms:id\_pair" minOccurs="0"  
 maxOccurs="unbounded"/>

<!-- time of validity -->

<xs:element name="validity\_period" type="nts:validity period type"

minOccurs="0"/>

<!-- date of publication of the notice -->

```
<xs:element name="dates_issue" type="nts-ms:date_pair" minOccurs="0"
maxOccurs="unbounded"/>
<!-- optional parameter for paging mechanism -->
<xs:element name="paging_request" type="nts-ms:paging_request_type"
minOccurs="0"/>
</xs:sequence>
</xs:complexType>
</xs:element>
<!-- result to query — can contain
— "nts:RIS_MessageType", arbitrary number, defined in the NtS-xsd (see www.ris.eu)
— "nts-ms:error_code_type", arbitrary number, defined in this schema
— "nts-ms:paging_result_type", optional, defined in this schema -->
<xs:element name="get_messages_result">
<xs:complexType>
<xs:sequence>
<xs:element name="result_message" type="nts:RIS_Message_Type"
minOccurs="0" maxOccurs="unbounded"/>
<xs:element name="result_error" type="nts-ms:error_code_type" minOccurs=
"0" maxOccurs="unbounded"/>
<xs:element name="paging_result" type="nts-ms:paging_result_type"
minOccurs="0"/>
</xs:sequence>
</xs:complexType>
</xs:element>
<!-- type definitions used in request -->
<xs:simpleType name="message_type_type">
<xs:restriction base="xs:string">
<xs:enumeration value="FTM"/>
<xs:enumeration value="WRM"/>
<xs:enumeration value="ICEM"/>
<xs:enumeration value="WERM"/>
</xs:restriction>
</xs:simpleType>
<xs:complexType name="id_pair">
<xs:sequence>
<xs:element name="id" type="nts:isrs_code_type" minOccurs="1"
maxOccurs="2" />
</xs:sequence>
</xs:complexType>
<xs:complexType name="date_pair">
<xs:sequence>
<xs:element name="date_start" type="xs:date"/>
<xs:element name="date_end" type="xs:date" minOccurs="0"/>
</xs:sequence>
</xs:complexType>
<xs:complexType name="paging_request_type">
```

---

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

---

```

<xs:sequence>
  <xs:element name="offset" type="xs:nonNegativeInteger"/>
  <xs:element name="limit" type="xs:nonNegativeInteger"/>
  <xs:element name="total_count" type="xs:boolean"/>
</xs:sequence>
</xs:complexType>
<!-- type definitions used in response -->
<xs:simpleType name="error_code_type">
  <xs:restriction base="xs:string">
    <xs:enumeration value="e010">
      <xs:annotation>
        <xs:documentation>Description: message type not supported, Explanation: web
        service does not support the requested message type</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="e030">
      <xs:annotation>
        <xs:documentation>Description: paging parameters inconsistent with messages,
        Explanation: parameters for paging mechanism do not fit the available messages, e.g.
        Offset >= Total Count</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="e100">
      <xs:annotation>
        <xs:documentation>Description: syntax error in request, Explanation: request
        violates the schema for requests</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="e110">
      <xs:annotation>
        <xs:documentation>Description: incorrect message type, Explanation: given
        message type is not known</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="e120">
      <xs:annotation>
        <xs:documentation>Description: incorrect type-specific parameters, Explanation:
        type-specific parameters are erroneous</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="e130">
      <xs:annotation>
        <xs:documentation>Description: incorrect paging parameters, Explanation: given
        parameters for the paging mechanism are erroneous</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
  </xs:restriction>
</xs:simpleType>

```

```
<xs:enumeration value="e200">
<xs:annotation>
<xs:documentation>Description: operation not known, Explanation: the requested
operation is unknown</xs:documentation>
</xs:annotation>
</xs:enumeration>
<xs:enumeration value="e300">
<xs:annotation>
<xs:documentation>Description: data source unavailable, Explanation: data source
of the web service for the NtS data is temporarily unavailable</xs:documentation>
</xs:annotation>
</xs:enumeration>
<xs:enumeration value="e310">
<xs:annotation>
<xs:documentation>Description: too many results for request, Explanation: server is
unable to handle number of results</xs:documentation>
</xs:annotation>
</xs:enumeration>
</xs:restriction>
</xs:simpleType>
<xs:complexType name="paging_result_type">
<xs:sequence>
<xs:element name="offset" type="xs:nonNegativeInteger"/>
<xs:element name="count" type="xs:nonNegativeInteger"/>
<xs:element name="total_count" type="xs:nonNegativeInteger"
minOccurs="0"/>
</xs:sequence>
</xs:complexType>
</xs:schema>
</wsdl:types>
<!--
= specification of messages =
-->
<wsdl:message name="get_messages_request">
<wsdl:part name="parameters" element="tns:get_messages_query"/>
</wsdl:message>
<wsdl:message name="get_messages_response">
<wsdl:part name="parameters" element="tns:get_messages_result"/>
</wsdl:message>
<!--
= specification of port type =
-->
<wsdl:portType name="NtS_message_service">
<wsdl:operation name="get_messages">
<wsdl:input message="tns:get_messages_request"/>
<wsdl:output message="tns:get_messages_response"/>
```

---

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

---

```

</wsdl:operation>
</wsdl:portType>
<!--
= specification of binding =
-->
<wsdl:binding name="NtS_message_service_soap_binding"
type="tns:NtS_message_service">
<soap:binding style="document" transport="http://schemas.xmlsoap.org/soap/
http"/>
<wsdl:operation name="get_messages">
<soap:operation soapAction="http://www.ris.eu/nts.ms/get_messages"/>
<wsdl:input>
<soap:body use="literal"/>
</wsdl:input>
<wsdl:output>
<soap:body use="literal"/>
</wsdl:output>
</wsdl:operation>
</wsdl:binding>
<!--
= specification of service =
-->
<wsdl:service name="NtS_message_service_service">
<wsdl:port name="NtS_message_service"
binding="tns:NtS_message_service_soap_binding">
<soap: address location="http://nts-ms.example.org/NtS_message_service"/>
</wsdl:port>
</wsdl:service>
</wsdl:definitions>

```

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## TAGS

XML Tag	EN	BG	ES	CS	DA	DE	ET	EL	FR	HR	IT	LV	LT
RIS_message	Message message	NtS сообщение	Mensaje Mensaje	Zpráva NtS	NtS-meddelelse	NtS-Nachricht	NtS-Nachrichte	Μήνυμα NtS (Σύστ. Πληρ. Εσ. Ναυσ.)	Message NtS	NtS-poruka	message NtS	NtS-zinājums	NtS-pranešimas
Identification	Identification section	Идентификация раздела	Sección de identificación	Identifikace úsek	Identifikation	Identifikation	Identifikation	Επίσημη αναγνώριση	Identifikation	Identifikacija	Identifikacija	Identifikacija	Identifikacija
From	Sender of the message	Подател на	Remisor de la	Odíslatel zprávy	Afsender af	Absender der	Teate saatja	Αποστολέας του μηνύματος	Expéditeur du message	Posiljalac poruke	mittente del messaggio	Nosūtītājs ziņojuma	Pārsūtītājs pranešimo siuntėjas
Origin	Origin of the information	Адрес на информацията	Origen de la información	Autor zprávy	Informationsherkunft	Ursprung der Nachricht	Ursprung der	Πηγή των πληροφοριών	Origine de l'information	Izvor informacije	origine del'informatsii	Informācijas avots	Informacijos šaltinis
Country	Country where message is valid	Държава в която е валидно съобщението	País en que el mensaje es válido	Dotčená země	Berort land	Betroffenes Land	Riik kus teade kehtib	Χώρα ισχύος του μηνύματος	Pays où le message est valide	Država gdje poruka vrijedi	Stato interessato	Ziņojuma valsts	Šalis, kurioje galioja pranešimas
Language	Original language	Исходный язык	Idioma original	Original jazyk	Original	Original	Algsprake	Πρωτότυπο γλώσσας	Langue d'origine	Original jezik	lingua originale	Ziņojuma valodakalba	Originalo kalba
District	District region within country	Регион от държавата	Región del país	Dotčená oblast v zemi	Berort region/område	Betroffenes Gebiet/Land	Riigi piirkond	Περιοχή της χώρας	Région de	Područje unutar države	area/ regione interessata	Rajons valsts reģions	Rajonas / regionas šalyje
Date	Date of issue	Дата на издаване	Fecha de emisión	Datum vydání	Offentliggørelsesdato	Offentliggørelsesdato	Väljavõttekuupäev	Ημερομηνία έκδοσης	Date de publication	Datum izdavanja	data emissione	Sastādītā datums	Išrašymo data
Time	Time of issue	Час на издаване	Hora de emisión	Čas vydání	Offentliggørelsestidspunkt	Offentliggørelsestidspunkt	Väljavõttekuupäev	Ημερομηνία έκδοσης	Heure de publication	Vrijeme izdavanja	orario emissione	Sastādītā laiks	Išrašymo laikas
Ftm	Fairway and traffic related message	Известие до корабля о судоходстве	Mensaje sobre navegación y tráfico	Zpráva týkající se vodní cest	Farvannetrafikrelateret meddelelse	Wasser- und Schifffahrtstrafikrelaterter Hinweis	Strabandfaaravaruuskohta	Μήνυμα σχετικά με την πλοήγηση και κυκλοφορία	Message à la navigation	Priopćenje brodarske komunikacije	messaggio relativo a canale navigabile	Ziņojums par kuģu ceļu satiksmi	Sus farvateriu ir laivų eismu

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				a provozu					et au trafic		e traffico		susijės pranešimas
NtS_	Number section	Номер на секция	Número de la sección	Číslo sekce	Numm	Numm	Número osa	Επίσημο αριθμός	Número za broj poruke	Odjeljak del tratto	Numm sadaļa	Numeris	
Organizacija	Public organization	Публичная организация	Organización pública el mensaje	Yhtiö organizaatio	Offentligt organ	Öffentligt organ	Yhtiö organizaatio	Επίσημο αριθμός	Organizacija emittenta	Organizacija emittenta	Organizacija	Organizacija	
Year	Year	Година	Año	Rok	År	Jahr	Aasta	Έτος	Année	Godina	anno	Gads	Metai
Number (of the notice)	Number (of the notice)	Номер (дел ависо)	Número (del aviso)	Číslo zpráv	(Meddelelse nr.	(der Nachricht)	(Featise number)	(Αριθμός (αφίσχεσης))	Numér (avis)	Broj (poruke)	numero (Zinjo)	Numm	Numeris (pranešimo)
Serial	Serial	Серия	Número de serie	Číslo verze	Serien	Versien	Serien	Αριθμός αριθμός	Numér de série	Serijski broj	Serijski progress	Serijski	Serijski numeris
Target group	Information about target group	Информация за группа получателя	Información sobre el usuario destinatario	Číslo skupiny	Målgruppe	Zielgruppe	Silunil jaotis	Ταμ στοιχεία ομάδας	Type concernés	Ciljana gruppa	Merkgrupp	Grupp	Grupp
Target group	Target group	Группа на получатели	Código usuario destinatario	Kód skupiny	Kode for målgruppe	Zielgruppe	Silunil kood	Κωδικός στοιχεία ομάδας	Oznaka concernés	Oznaka ciljana	Merkgrupp	Grupp	Grupp
Direction	Direction	Направление	Dirección	Směr	Kode for sejretning	Betroffenes Richtungs	Sihtus	Κωδικός κατεύθυνσης	Oznaka concernés	Oznaka ciljana	Merkgrupp	Grupp	Grupp
Subject	Subject	Тема	Asunto	Předmět	Emne	Betrifft	Teema	Θέμα	Sujets de l'avis	Predmet oggetto	Zinjo	Tema	Tema
Validity	Period of validity	Срок на валидность	Período de validez	Doba platnosti	Gyldigtid	Gültigkeits	Käyttöaika	Ισχύος	Periode de validité	Rok valjanosti	periodo validità	Derīguma termiņš	Galiojimo laikas
Date	Start	От дата	De	Od	Startdate	Ab	Alates	Από	Date de début	Od	da (aaaa mmgg)	No	Nuo
Date	End	До дата	A	Do	Sluttdato	Bis	Kuni	Έως	Date de fin	Do	fino a (aaaa mmgg)	Līdz	Iki
Content	Additional information	Дополнительная информация	Contenido adicional	Text	Indhold	Ergänzung Informationen	Sisältö	Περιεχόμενο	Content	Sadržaj	Satur	Turinys	Turinys



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Source	Notice source (authority)	Официален източник (авторитет)	Fuente (autoridad)	Vydavatelství (zprávy)	Infokilp (myndigheten)	Herausgeber (Nachricht)	Edutse allikas (ametiasutus)	Προέλευση (πηγή)	Source (authority)	Izvor (autoriteta)	fonte (autorità)	Informats (aģstāde)	Informats (aģstāde)	Pranešimo šaltinis (institucija)
Reason of notice	Reason of notice	Причина известия	Motivo del aviso	Důvod zprávy	Årsag til meddelelse	Grund der Nachricht	Teatise põhjus (sõnumi)	Αιτία (συνόψης)	Evène (s'annoncer)	Razlog priopćenja	Logomotiva (segnalazione)	Ziņojuma iemesls	Pranešimo paskirtis	
Communication information	Communication information	Информация коммуникация	Información comunicación	Informace komunikace	Informations kommunikation	Informations kommunikation	Teatise põhjus (sõnumi)	Επικοινωνία (συνόψης)	Informations (s'annoncer)	Informations (s'annoncer)	Informations (s'annoncer)	Informats (aģstāde)	Informats (aģstāde)	Pranešimo paskirtis
Report regime	Report regime	Регим известия	Régime de notification	Režim hlášení	Rapportregime	Meldingsregime	Kuse (s'annoncer)	Κύση (s'annoncer)	Κύση (s'annoncer)	Režim javljanja	Režim javljanja	Paziņojuma veids	Pranešimo režimas	
Communication means	Communication means	Средства коммуникация	Medio de comunicación	Prostředek komunikace	Kommunikationsmittel	Kommunikationsmittel	Teatise põhjus (sõnumi)	Επικοινωνία (συνόψης)	Μέσο (συνόψης)	Sredstvo komunikacije	Mezzo di comunicazione	Saziņas līdzeklis	Ryšio priemonės	
Number (Communication section)	Number (Communication section)	Номер адресата	Número de dirección	Číslo adresy	Nr. eller adresse	Nummer oder adresse	Number (s'annoncer)	Αριθμός (συνόψης)	Numér (s'annoncer)	Broj (s'annoncer)	numero (s'annoncer)	Numurs (s'annoncer)	Numeris (s'annoncer)	
Fairway	Waterway or waterway section	Водный путь или негов участок	Vía de navegación o tramo	Úsek vodní cesty	Vandvej eller farvandsstræk	Wasserweg oder Strasse	Teatise põhjus (sõnumi)	Επικοινωνία (συνόψης)	Τμήμα (συνόψης)	Voie (s'annoncer)	Dionica (s'annoncer)	Üdend (s'annoncer)	Üdend (s'annoncer)	
Geo_	Location	Географическая информация за водния път или обекта	Información geográfica o vodní cestě nebo objektu	Informace geográfica o vodní cestě nebo objektu	Informations geographiques o vodní cestě nebo objektu	Informations geographiques o vodní cestě nebo objektu	Teatise põhjus (sõnumi)	Επικοινωνία (συνόψης)	Τμήμα (συνόψης)	Voie (s'annoncer)	Dionica (s'annoncer)	Üdend (s'annoncer)	Üdend (s'annoncer)	
Id (Geo_ section)	ISRS (Geo_ section)	Идентификационный код географического объекта	Identificación de posición (ISRS)	Identifikationskod (ISRS)	ISRS (Geo_ section)	ISRS (Geo_ section)	Teatise põhjus (sõnumi)	Επικοινωνία (συνόψης)	Τμήμα (συνόψης)	Voie (s'annoncer)	Dionica (s'annoncer)	Üdend (s'annoncer)	Üdend (s'annoncer)	
Name (Geo_ section)	Name (Geo_ section)	Наименование географического объекта	Denominación de objeto geográfico	Název geografického objektu	Navn geografisk objekt	Name geografisk objekt	Teatise põhjus (sõnumi)	Επικοινωνία (συνόψης)	Τμήμα (συνόψης)	Voie (s'annoncer)	Dionica (s'annoncer)	Üdend (s'annoncer)	Üdend (s'annoncer)	
Type (Geo_ Object section)	Type (Geo_ Object section)	Тип на географический объект	Tipo de objeto geográfico	Typ objektu	Objekttype	Objekttype	Teatise põhjus (sõnumi)	Επικοινωνία (συνόψης)	Τμήμα (συνόψης)	Voie (s'annoncer)	Dionica (s'annoncer)	Üdend (s'annoncer)	Üdend (s'annoncer)	
Coord	Coord	Координаты	Coord	Coord	Coord	Coord	Teatise põhjus (sõnumi)	Επικοινωνία (συνόψης)	Τμήμα (συνόψης)	Voie (s'annoncer)	Dionica (s'annoncer)	Üdend (s'annoncer)	Üdend (s'annoncer)	

[illegible]

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Value	Number value	Число стойно numer (omezení)	Valor numer (omezení)	Číslo hodnot (omezení)	Number uerdi (omezení)	Zahlen (omezení)	Πέντα arv (omezení)	Αριθ μός (omezení)	Value vrijed (omezení)	Brojč antrib (omezení)	Derob caitlis (omezení)	Žorba jimo (omezení)
Unit	Unit	Μερ να единица	Unidad	Jednot ka	Einheit	Einheit	Μονά δα	Μονά δα	Jedini ca	canità di misura	Mērvien ība	Viens etai
Fairway	Waterway	Ναυ γα воден път	Vía navega ble	Vodní cesta	Vandve g	Wasser verke hr	Ονομα της πλω τής οδού	Nom de la voie d'eau	Plovni put	via naviga bile	Ūdens ceļš	Vēl kelias
Reference	Value reference	Κο δ справка	Referen cia	Jednot ka	Referen cia	Bezugs punkt	Μήτε ρα ανα φο ράς	Réfé rence de la valeur	Referen cia vrijed nosti	param etro riferimen to	Atsau cība	Atska itais sistema
Indication of limitation	Indication of limitation	Οδη γία за ограни чение	Indica ción de limitación	Jednot ka omezení	Einheit f begren zung	Einheit f begren zung	Ενδει ξη περιο ρισ μού	Indica tion de la restriction	Oznaka ograni čenja valore di limitazione	Indica ción de la limitación	Atsau cība norā dero menys	Žorba jimo rodme nys
Object section for an Object	Object section for an Object	Об ект информ ация за обекта	Objeto informa ción de objeto	Objekt informa ción de objektu	Objekt informa ción de objektu	Objekt informa ción de objektu	Αντικ είμε νο	Objet informa tion pour l'objet	Objekt informa tion za objektu	oggetto informa tion geografica objektu	Objekt informa tion geografica objektu	Objekt informa tion geografica objektu
Type (Geo section)	Type (Geo section)	Τύ πος на обекта	Tipo objeto	Typ objektu	Objekt typ	Objekt typ	Τύ πος αντικ ειμέ νου	Type pour l'objet	Vrsta objekt a	tipo ogget to	Objekt tips	Objekt tipas
Coordinate (Geo section)	Coordinate (Geo section)	Κοο ρδ на геогра фский обект	Coord enates objeto	Coord enates objektu	Coord enates objektu	Coord enates objektu	Γεω γρ αφ ικ ο ν αντικ ειμέ νου	Coord enates pour l'objet	Coord enates objekt a	Coord enates ogget to	Objekt koordin ātes	Objekt koordin ātes
Wrm	Water related message	Съ об и за на водата	Mensa je relativ o agua	Hlášen o vodním stavu	Vandsta n meddele lse	Wasser stand mit te	Μή νυ μα αφο ράς τα ύδα τα	Message de niveau d'eau	Poruka o vodo stanju	Message de niveau d'eau	Inform ācija par ūdens līmeni	Inform ācija par vandens līgi
Measure (normal or predict ed)	Measure (normal or predict ed)	Με τ ρη ση (τυ πι κή ή προ γ νο στι κή)	Medida (normal o previ st)	Měření (norm ální nebo před pově dění)	Måling (normal bzw. Prognos e)	Måling (normal bzw. Prognos e)	Μέ τ ρη ση (τυ πι κή ή προ γ νο στι κή)	Measure (normal or predict ed)	Mjerenje (normal o previ st)	Mjerenje (normal o previ st)	Mērvien ība (norm ālais vai progn ozais)	Mērvien ība (norm ālais vai progn ozais)
Predict ed	Predict ed	Προ γ νο στι κή	Previs ión	Předpo čítání	Prognos e	Prognos e	Πρό β λε ψη	Progn osis	Progn osis	Progn osis	Progn osis	Progn osis

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Measurement of water related information	Kind of information	Тип на измерна информация	Tipo de información relativa al agua	Druh hlášení vodním stavu	Art avstånd	Art taladssopliik	Veeloluksilid	Είδος των υδάτων	Code de la mesure	Vrsta informacije vodostaja	tipo de informação	Veids informācija	Pranešimo apibrėžimas
Difference to previous value	Difference to previous value	Разлика спрямо предишната стойност	Diferencia con respecto al valor anterior	Rozdíl v úči předchozí hodnotě	Endring i forhold til forrige	Ändering i förhållande till tidigare värde	Ärändring i förhållande till tidigare värde	Αποφασιστική μέτρηση	Difference to previous value	Razlika u vrijednosti	diğerlik	Saldizīģums	Skirtumas
Value	Value	Разлика спрямо измерната стойност	Diferencia con respecto a la medida comparativa	Rozdíl v úči porovnání měření	Værdi i forhold til komparativ måling	Värde i förhållande till komparativ mätning	Ärändring i förhållande till komparativ mätning	Αποφασιστική μέτρηση	Difference to previous value	Razlika u vrijednosti	diğerlik	Saldizīģums	Skirtumas
Time difference to comparison measurement	Time difference to comparison measurement	Разлика в времето спрямо измерната стойност	Diferencia de tiempo con respecto a la medida comparativa	Časový rozdíl v úči porovnání měření	Tidsforskel i forhold til komparativ måling	Tidsskillnad i förhållande till komparativ mätning	Ärändring i förhållande till komparativ mätning	Αποφασιστική μέτρηση	Difference to previous value	Razlika u vrijeme	diğerlik	Saldizīģums	Skirtumas
Barrage	Barrage	Бараж	Presa	Jez	Dæmning	Weghrslus	Elling	Υδατοφράγμα	Débit	Režim vodnog toka	regime	Ūdens režīms	Vandens režimas
Regime	Regime	Воден режим	Régime	Ordnok	Vandregime	Abflussregime	Vegregime	Υδατοφράγμα	Débit	Režim vodnog toka	regime	Ūdens režīms	Vandens režimas
Measurement of water level	Measurement of water level	Измерна стойност на водния ниво	Fecha de medición	Datum měření	Dato for målingen	Messdatum	Måttidpunkt	Μέτρον	Débit	Datum mjereno	data rilievo	Mērījuma datums	Matavimo data
Measurement of water level	Measurement of water level	Измерна стойност на водния ниво	Fecha de medición	Datum měření	Dato for målingen	Messdatum	Måttidpunkt	Μέτρον	Débit	Datum mjereno	data rilievo	Mērījuma datums	Matavimo data
Ice message	Ice message	Съобщение за връзка с ледохода	Mensaje de hielo	Zpráva týkající se ledových jevů	Ismelding om is	Engmelding om is	Ilmoitus jääkohta	Μήνυμα σχετικά με πάχους της glace	Débit	Poruka o ledu	comunicazione alla presenza di ghiaccio	Ziņojums par ledu	Pranešimas apie ledą
Ice condition	Ice condition	Състояние на леда	Estado del hielo	Ledový podmínky	Isforhold	Isforhold	Isförhållande	Ευθύς	Condizione	Stanje leda	condizione del ghiaccio	Ļotus apstākļi	Ledo sąlygos

	on fairway	vía navegable									sul canale navigabile		
Ice_	condition condición	Konde Estado hielo podminky	Ledovysforhod	Edasbes	Thaaffen	Βερίον	Conditi	Stanje	condiz	Londus	Ledo		
Ice_ac	Accessib	Yuliyon	Edesip	Barbar	Refahr	Bankdep	Phas	Avocess	Phuifost	Bičijam	Tinkamumas		
Ice_klas	classification	Konco	Glasifika	Klasifika	Edclass	Eisklass	Kla	Taživó	Glasif	Klasifika	Ledus	Ledo	
Ice_situ	Location situation	Ledov	Situac	Situac	Issituac	Fossituac	Jaan	Katás	Tamta	Stanje	stato	Ledus	Ledo
Werm	Weather message	Гъоуш	Mensaj	Zpráva	Vejrmed	Udette	Hellas	Mum	Messag	Gremens	saggar	kap	Mak
Weather	Weather report	Поклад	Inform	Stav	Vejrtrap	Wetter	Benat	Met	Bollet	Weme	bsk	Itino	kap
Forecast	Forecast	Прогно	Previs	Předpo	Forids	Vulkse	Pagen	Idpónv	Brávis	Progn	previs	Progn	Progn
Weather	Weather classification	Kcode	Glasif	Klasif	Mayk	Wetter	Klas	Taživó	Glasif	Klasif	Klasif	Itino	kap
Weather	Weather information	Inform	Inform	Inform	Inform	Inform	Inform	Inform	Inform	Inform	Inform	Inform	Inform
Weather	Weather item	Konde	Element	Itino	Mayk	Wetter	Klas	Taživó	Glasif	Klasif	Klasif	Itino	kap

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		метеорологичната обстановка											
Value	Minimal value	Минимална стойност	Valore minima	Minimalna hodnota	Minimalna hodnota	Minimale waarde	Minimalna vrednost	Minimalna vrednost	Minimalna vrednost	Minimalna vrednost	Minimalna vrednost	Minimalna vrednost	Minimalna vrednost
Value	Maximal value	Максимална стойност	Valore maxima	Maximalna hodnota	Maximalna hodnota	Maximale waarde	Maximalna vrednost	Maximalna vrednost	Maximalna vrednost	Maximalna vrednost	Maximalna vrednost	Maximalna vrednost	Maximalna vrednost
Value	Gusts value	Стойност на поривите на вятяра	Valor ráfaga	Nárazová hodnota	Vindstoot waarde	Schwaun- wert	Spitzen- wert	Hubang- tűzés értéke	Τύπος ανέμου από αέρας	Valeur des rafales de vent	Vrijednost udara delle raffiche	Valore delle brazze di vento	Güşi yüklü ort değeri
Weather category	Weather category	Κατηγορία μετεωρολογικής κατάστασης	Categoria meteorologică	Kategória időjárati állapot	Kategória időjárati állapot	Kategória időjárati állapot	Kategória időjárati állapot	Kategória időjárati állapot	Kategória időjárati állapot	Kategória időjárati állapot	Kategória időjárati állapot	Kategória időjárati állapot	Kategória időjárati állapot
Direction from	Direction from	Από από	De de	Od od	Retning fra	Richtung von	Richtung von	Richtung von	Από από	De de	Od od	De de	Retning fra
Direction to	Direction to	Κατ'εξ απέναντι	De de	Od od	Retning mod	Richtung bis	Richtung bis	Richtung bis	Απέναντι προς	De de	Od od	De de	Retning mod

TAGS

XML Tag	HU	MT	NL	PL	PT	RO	SK	SL	FI	SV	RU	SR
RIS_message	Üzenet	Message tal- NtS	NtS- bericht	Komunikacja NtS	Comunicação NtS	Comunicação NtS	Správa NtS	sporočila NtS	NtS- sanoma	NtS- meddelande	Сообщение NtS	НtS- порука
Identification	szakasza' identifikáció	Stazjon identifikazzjoni	Identifikazzjoni	Identifikacja	Identificação	Identificação	Identifikácia	Identifikacija	Identifikacija	Identifikacija	Идентификация (НtS-порука)	Идентификация (НtS-порука)
From	Az üzenet feladója	Speditur tal- message	Afzender van bericht	Nadawca komunikacji	Remetente da comunicação	Remetente da comunicação	Orodos správy	Orodos správy	Orodos správy	Orodos správy	Отправитель сообщения	Послалац поруке
Originator	Forrási információ	Original tal- informazzjoni	Origineel van informatie	Źródło informacji	Autor da comunicação	Autor da comunicação	Pôvod správy	Pôvod správy	Pôvod správy	Pôvod správy	Исходник информации	Исходник информации
Country	Az ország amelyben az üzenet értékesítés származott	Pajjiż fejn ameli il- messagġ huwa għall- għaliq	Land waar het bericht gemaakt werd	Kraj, którego dotyczy komunikacji	País do qual a comunicação foi enviada	País do qual a comunicação foi enviada	Ľahota správy	Ľahota správy	Ľahota správy	Ľahota správy	Код страны сообщения	Држава која порука важи

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Language	Magyar nyelv	Englisch	Oorspronkelijke taal	język oryginalny	língua original	Limba originală	Originalny jazyk	izvirni jezik	Alkuperäinen kieli	Originalny jazyk	Язык сообщения	Изворни језик
District	Az ország belüli terület régió	Distrettonegjun fil-pajjiz	Districtin een land	Regionkraj	Divisão administrativa (do país)	Região	Región	okrožje regija znotraj države	Kyseen alue maassa	Distriktregion	Област в стране	Област-регион у држави
Date	iskiadás dátum	Dataatal-hrüg	Datum van uitgifte	Data nadaniale	Data emissão	Data emiterii	Dátum vydani	datum izdaje	Antamistidpunkt för utfärdande	Antamistidpunkt för utfärdande	Дата составления	Датум издавања
Time	iskiadás ideje	Hin tal-hrüg	Tijd van uitgifte	Godzin nadaniale	Hora emissão	Ora emiterii	Čas vydani	čas izdaje	Antamistidpunkt för utfärdande	Antamistidpunkt för utfärdande	Время составления	Време издавања
Ftm	Hajószóló hirdetmény	Maksage relatat kanali navigaciu t-traffiku	Bericht met betrekking tot bharwegen en verkeer	Komunikacja wodnego ruchu	Mensagem náutica	Aviz cãtre navigatori	Správa týkajúca vodnej cesty a premávky	sporočila zvezi s plovno potjo ky prometom	Käyläliikennetta koskeva sanoma	Farleds och trafikmeddelande	Сообщение касательно движения судов	Порука једнопаратранспортним путем и саобраћајем
NtS_num	Szakaszakasz-	Sziszszon-	Nummersektion	Numersektion	Secção relativa ao número	Numărul avizului cãtre navigatori	Číslo správy	številka (obvestila)	Sanoman numero	Nummer af meddelelse	Номер извещения	
Organisatio	Közvetésszervezet	Organizacjapublikat	Organizacjapublikat	Organizacjapublikat	Organização de publicação	Organizația de publicare	Organizace pro vydávání	organizacija objavljeno	Organisaatio julkaisusta	Organisation af offentliggørelse	Организация	
Year	Év	Sena	Jaar	Rok	Ano	Anul	Rok	leto	Vuosi	År	год	Година
Number	(A hirdetmény száma)	Numru (tal-avviz)	Nummer (van het bericht)	Numer (komunikacja)	Número (da-aviso)	Numărul (avizului)	Číslo (správy)	številka (obvestila)	(Ilmoitusnumero)	(Meddelelsenummer)	Номер (Соопштења)	
Serial	Sorszám	Námszám	Serienummer	Numer kolejny (wersji)	Número de série	Numărul de serie	Číslo verze (série)	zaporedna številka	Sarjakuksa	Serienummer	Серијски номер	Серијски број
Target	Célcsoport	Informacjagrupp	Informacjagrupp	Informacjagrupp	Secção de grupo-alvo	Grupul de utilizatori	Informacjagrupp	skupina ciljne skupine	Kohden ryhmä	Målgrupp	Група (Део целе групе)	
Target	Célcsoport kód	Informacjagrupp kód	Doelgroep	Grupa odbiorców	Código de grupo	Codul grupului	Cielovskupina	koda ciljne skupine	Kohden ryhmä	Målgrupp	Код целе групе	Код циљне групе

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						utilizatori avuți în vedere						
Direction irány kód	Organo affettwa	Direzzj ata	Desbet at	Kierunk ruchu	Sentido tráfego	Codul sensu de circulație	Dotkn usmer	Kýda usmer prometa	Liikent ajanna	Kod för trafik	код направ ления	Код вида
Subject Tema	Sugget t	Onderw er	Wemat	Matéria avizului	Subiect predme	predme	predme	Aihe	Ämne	тема	Код сообщ ения	Код пред мета
Validity Értekezé időszaka	Períodu validitá	Geldig hetid	Kok ważno ści	Período de validade	Perioada de valabilitate	Doba platnosti	čas veljavnosti	Voimas säily	tid	сро к дей ствия	Рок ва жности	
Date_start	Minn	Vanaf	od	De	Data de început	Od	od	Alkaa	Från	дата начала	Од (ууууmmdd)	
Date_end	Sa	Tot	do	A	Data de sfârșit	Do	do	Päätyy	Till	дата окон чания	До (ууууmmdd)	
Content	Artiklo addizzj	Informa zjoni	Azzjoni informatie	Conteúdo informatie	Conteúdo informatie	Text / Obsah	dodatn informacije	Sisältö	Innehåll	содерж ание	Содерж ание	
Source	A hirdetmény kibocsátója (hatóság)	Sors tényező (hatóság)	Bron van het bericht (autoriteit)	Źródło komunikatu (organ) aviso (autoridade)	Fonte komunikatu (organ) aviso (autoridade)	Sursa avizului (autoritatea)	Zdroj správy (organ)	izvor obvestilähde (organ)	Ilmoitus lähde (viranomaisen)	Источни к информ ации (офици альный)	Источни к информ ации (офици альный)	
Reason	Acode hirdetmény indoka	Raguni avv	Reden van het bericht	Przyczyna komunikatu aviso	Motivo komunikatu aviso	Codul evenimentu	Dôvod správy	razlog za obvestilo	Ilmoitus syy meddelandet	Orsak till meddelandet	Причина извещения	Причина извещения
Communication	Kommunikációs eszköz szaksz	Infrastruktur kommunikazzjoni	Infrastruktur kommunikazzjoni	Infrastruktur kommunikazzjoni	Infrastruktur kommunikazzjoni	Mijloc comunicație	Informační kanál	Informační kanál	Viestinnusväline	Kommunikationsväline	Информацион ные средства связи	Информацион ные средства связи
Reporting	Agg jelentés küldő rendszer	Sistema rapportar	Melding rapportar	Sporgemelding	Regime de transmisie	Modul de transportare	Režim hlášení	način poročanja	Raportointi	Raportointi	Информацион ная система сообщения	Информацион ная система сообщения
Communication	Kommunikációs eszköz	Infrastruktur kommunikazzjoni	Infrastruktur kommunikazzjoni	Infrastruktur kommunikazzjoni	Infrastruktur kommunikazzjoni	Modul de transportare	Kommunikációs kanál	Kommunikációs kanál	Viestinnusväline	Kommunikationsväline	Информацион ные средства связи	Информацион ные средства связи
Number (Communication section)	Szám rész	Numru indirizz	Nummer of adres	Numer lub adres	Número ou endereço	Număr de adresă	Číslo alebo adresa	številka ali naslov	Numero tai osoite	Nummer eller adress	Контакт для связи	Број или адреса



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Fairway	Vízút vagy hajóút szakasza	Passaggio fuq l-ilma jew sezzjoni ta' passagg fuq l-ilma	Waterway of waterways	Odce kanału lub toru wodnego	Via navigabile troço wodnego	Section del cale navigabile sau şenal	Vodná cesta (alebo hliak plavebné dráhy)	vodna pot ali odsek vodne poti	Vesiväy tai välänsä	Vatten eller av vattensnitt	Водосток или фарватер	Деония или ционного пута
Geo_object	víziút vagy objektum geo információja	Pożizzjoni ta' l-objett ta' információja	locatie	Dane geografice alea navigabile sau obiectu	Dados geografici de navigaţie sau obiectu	Informaţie geografică despre calea navigabilă sau obiect	Geografická informácia o vodnej ceste alebo o objekte	Geografická informácia o vodni poti ali objektu	vesiväy tai maantietiedot	Geografická informácia o vattensnitt eller objekt	Водосток или фарватер или навигационного пути	Деония или ционного пута
Id (Geo_Object section)	Azonosítási kód	Kód tal-Pożizzjoni ISRS	ISRS-locatie	Oznaczenie obiektu geograficznego	Identificarea obiectului geografic	Identificarea obiectului geografic	Kód lokality ISRS	Identifikácia lokality ISRS	Identifikációs kód	Identifikációs kód	Обозначение объекта	Идентификация
Name (Geo_Object section)	Azonosítási név	Isem név	Naam van het object	Nazwa obiektu geograficznego	Designaţie obiectu geografic	Názov objektu geografic	Názov objektu geografic	ime geo-objektu	Maantietanimi	Nachrichte op geografisch objekt	Название объекта гео	Имя объекта
Type (Geo_Object section)	Objekt típusa	Tip	Type	Typ obiektu	Tipo de obiectu	Tipul obiectului	Typ objektu	vrsta vodne poti	Vesiväy tai tyyppi	Typ av vattensnitt	Тип объекта	Тип объекта
Coordinate	hajóút kezdetének és végének koordinátái	Koordináták	Coördinaten	Współrzędne początkowe i końcowe toru wodnego	Coordonate la extremităţi ale navegabilei	Coordonate la începutul şi sfârşitul secţiunii	Sátlatlakozás kezdő és végpontjának koordinátái	koordinatavärdier för start och slut av plovne poti	Värdier för start och slut av plovne poti	Koordinatavärdier för start och slut av plovne poti	Координаты начала и конца фарватера или навигационного пути	Пункты географической широты и долготы
Lat (Coordinate)	Szélességi koordináta	Égítud	Breedtegraad	Szerkelet (do dziesiątej)	Latitudine (do zecimale)	Latitudine (do zecimale)	Latitudine (do zecimale)	szélességi koordináta	latitudin	latitudin	Широта (децимально)	Географска ширина (децимально)
Long (Coordinate)	Hosszúsági koordináta	Ígítud	Longitudin	Długość (do dziesiątej)	Longitudine (do zecimale)	Longitudine (do zecimale)	Longitudine (do zecimale)	hosszúsági koordináta	longitudin	longitudin	Долгота (децимально)	Географска дужина (децимально)

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[illegible]

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			de beperking									
Object	Objektum	Objekt	Object	Obiekt	Objeto	Obiect	Objekt	objekt	Kohde	Objekt	Объект	Обект
Geo_object section for an Object	Geo_objektum földrajzi adatok Object	Pozíció jelölés Object	Localisation Object	Dane geograficzne obiektu	Dados geográficos objeto	Poziție geografică obiectului	Geografické informácie o objekte	Información geográfica sobre el objeto	kohteen tiedot Object	Geografische Information über Object	Географическая информация об объекте	Географическа информация за обекта
Type_code (Geo_object section)	Objektum típusa (Geo_objektum Object)	Typ (Geo_objektum Object)	Soort object (Geo_objektum Object)	Rodzaj obiektu (Geo_objektum Object)	Tipo objeto (Geo_objektum Object)	Tipul obiectului (Geo_objektum Object)	Typ objektu (Geo_objektum Object)	vrsta objekta (Geo_objektum Object)	kohteen tiedot Object	Typ objektin (Geo_objektum Object)	Тип объекта (Geo_objektum Object)	Тип обекта (Geo_objektum Object)
Coordinate (Geo_object section)	Objektum koordinátái (Geo_objektum Object)	Koordinat (Geo_objektum Object)	Coördinaten (Geo_objektum Object)	Współrzędne (Geo_objektum Object)	Coordenadas (Geo_objektum Object)	Coordonate (Geo_objektum Object)	Sátok (Geo_objektum Object)	Información (Geo_objektum Object)	Kohteen tiedot Object	Geografische Information (Geo_objektum Object)	Координаты (Geo_objektum Object)	Координати (Geo_objektum Object)
Wrm	Vízállás jelentése	Message relatée mal- ilma	Bericht met betrekkende tot de waterstand	Komunikacja dotycząca stanu wody	Mensagem relativa à água	Înțeles despre apă	Správa o vodnom stave	sporočilo v zvezi z vodo	Kedden liittyvä sanoma	Kedden liittyvä sanoma	Об у воде	Об у воде
Measure	Értékelés meghatározása (mért v. előrejelzés)	Kejl (normal lof voorspelling)	Meetwaarde (normaal lof voorspelling)	Rodzin (normal lof voorspelling)	Valores (normal lof voorspelling)	Secțiune (normal lof voorspelling)	Meranie (normal lof voorspelling)	Información (normal lof voorspelling)	Kohteen tiedot Object	Geografische Information (Geo_objektum Object)	Значения (Geo_objektum Object)	Мерења (Geo_objektum Object)
Predict	Előrejelzés	Prognose	Voorspelling	Prognose	Prognose	Prognose	Prognose	Prognose	Prognose	Prognose	Prognose	Prognose
Measure	A code vízállás információ fajtája	Tip vízállás információ fajtája	Soort vízállás információ fajtája	Rodzaj vízállás információ fajtája	Tipo vízállás információ fajtája	Codul vízállás információ fajtája	Druh vízállás információ fajtája	información v zvezi v vodo	Kohteen tiedot Object	Geografische Information (Geo_objektum Object)	Тип информации (Geo_objektum Object)	Врста информации (Geo_objektum Object)
Difference	Előrejelzés	Difference	Verschil	Różnica	Diferença	Diferença	Diferença	Diferença	Ero	Skillnad	Разница	Разлика
Value	Értékelés	Value	Waarde	Wartość	Valor	Valor	Valor	Valor	arvon	Skillnad	Разница	Разлика

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		kejl kumparattiv		medição comparativa		primerjalno meritev					
Time_difference	eltérés az összehasonlítás mérés- képest	fil- hin bi összehasonlítás- képest	Erdsvergelijkbare meting	Porównanie czasu relação à medição comparativa	Diferența de timp em relação à medição comparativa	Intervalo rozdiel voči porovnání merania	Časový rozdiel čas porovnání merania	výrazlik vertailu mittaus- lasken mätning	Skilna förläp jämförelse mätning	Временное различие для сравнительной оценки	
Barrage	Duizend	Mölg	Stuw	Stan zapory	Barragem	Baraj	Hať	zapora	Avattav pato	Fjörðingur	Напреграда
Regime	Vízkezelési	Rátal- fluss- tal- ilma	Waterregime	Stany wody	Regime	Nível apei	Vodný režim	vodni režim	Vedenkövetés	Vaktens regim	Водни режим
Measure	Mérés	Data dátum- tal- kejl	Meetdata	Data pomiaru	Data medição	Data măsurării	Dátum mérése	datum merjenja	Mittaus- datum för mätning	Datum mätning	Дата измерения (ууууmmdd)
Measure	Mérés	Hin- időpont- tal- kejl	Meettijdstip	Godzina pomiaru	Hora medição	Ora măsurării	Čas mérése	čas merjenja	Mittaus- tidpunkt för mätning	Tidpunkt mätning	Время измерения (hhmm)
Ice	Jég	Is- dwar is- silg	Isbergs- beredning	Komunikacja o lodzie	Comunicação gelo	Comunicação privind gheata	Správa o ľadoch	sporočilo o ledu	Jäätalanne- koskeva sanoma	Meddelande förhållanden	Сообщения вези са ледом
Ice_condition	Jégállapot	Köndisz- tas- silg fuq il- kanal navigabbli	Isconditie op de vaarweg	Stany lodu	Estado do gelo	Condição gheții	Ľadové podmie- nky na plovni poti	Jäätalanne- olky na plovni poti	Jäätalanne- olky na plovni poti	Isförhållanden plovni poti	Состояние условия плавания
Ice_condition	Jégállapot	Köndisz- tas- silg	Isconditie	Stany lodu	Estado do gelo	Condição gheții	Ľadové podmie- nky	Jäätalanne- olky	Jäätalanne- olky	Isförhållanden	Состояние обстоятельства
Ice_accessibility	Isjárható	Isjárható	Isjárható	Isjárható	Isjárható	Isjárható	Isjárható	Isjárható	Isjárható	Isjárható	Исходность плавания во условия льдах
Ice_classification	Isjárható	Köndisz- tas- silg	Isjárható	Isjárható	Isjárható	Isjárható	Isjárható	Isjárható	Isjárható	Isjárható	Классификация плавания во льдах

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Ice_situatsioon	Kõhelaht	Sidetas-silg	Ilmsituatsioon	Situatsioon	Restric-tions	Starea	Situáció	položaj	Jäätilan	Isäage	Ограни-чения	Стана-ние
	ühend	tas-silg	Ilmsituatsioon	Situatsioon	Restric-tions	Starea	Situáció	položaj	Jäätilan	Isäage	Ограни-чения	Стана-ние
Worm	Időjárás	Message	Bericht	Kommunik	Mensagem	Message	Správa	sporočilo	Sääsan	Väder	Метеопрогно	Метеопрогно
	Időjárás	Message	Bericht	Kommunik	Mensagem	Message	Správa	sporočilo	Sääsan	Väder	Метеопрогно	Метеопрогно
Weather	Időjárás	Rapport	Weerbericht	Rapport	Boletim	Buletin	Stav	vremeni	Sääraport	Väder	Метеопрогно	Метеопрогно
	Időjárás	Rapport	Weerbericht	Rapport	Boletim	Buletin	Stav	vremeni	Sääraport	Väder	Метеопрогно	Метеопрогно
Forecast	Előrejelzés	Basissir	Voorspelling	Prognost	Previsão	Prognost	Předpověď	provo	Ennuste	Prognos	Прогноз	Прогноза
	Előrejelzés	Basissir	Voorspelling	Prognost	Previsão	Prognost	Předpověď	provo	Ennuste	Prognos	Прогноз	Прогноза
Weather	Időjárás	Klassifika	Wetter	Klassifika	Classificação	Classificação	Klassifika	klassifika	Sääja	Väder	Klassifika	Klassifika
	Időjárás	Klassifika	Wetter	Klassifika	Classificação	Classificação	Klassifika	klassifika	Sääja	Väder	Klassifika	Klassifika
Weather	Időjárás	Informa	Wetter	Informa	Informa	Informa	Informa	informa	Sääja	Väder	Informa	Informa
	Időjárás	Informa	Wetter	Informa	Informa	Informa	Informa	informa	Sääja	Väder	Informa	Informa
Weather	Időjárás	Attribu	Weerele	Attribu	Element	Component	Element	Skä	Skä	Väder	Tramete	Tramete
	Időjárás	Attribu	Weerele	Attribu	Element	Component	Element	Skä	Skä	Väder	Tramete	Tramete
Value	hög	Vér	Minimum	Minimum	Valor	Valor	Minimál	Minimál	Alin	Minimál	Barde	Minimál
	hög	Vér	Minimum	Minimum	Valor	Valor	Minimál	Minimál	Alin	Minimál	Barde	Minimál
Value	hög	Vér	Maximum	Maximum	Valor	Valor	Maximál	Maximál	Alin	Maximum	Barde	Maximum
	hög	Vér	Maximum	Maximum	Valor	Valor	Maximál	Maximál	Alin	Maximum	Barde	Maximum
Value	Gust	Vér	Wind	Wind	Valor	Valor	Nárazón	Nárazón	Tuulen	Värde	Värde	Värde
	Gust	Vér	Wind	Wind	Valor	Valor	Nárazón	Nárazón	Tuulen	Värde	Värde	Värde
Weather	Időjárás	Kateg	Wetter	Kateg	Kateg	Kateg	Kateg	Kateg	Säätyyp	Väder	Kateg	Kateg
	Időjárás	Kateg	Wetter	Kateg	Kateg	Kateg	Kateg	Kateg	Säätyyp	Väder	Kateg	Kateg
Direction	Irány	Dir	Wind	Wind	Valor	Valor	Nárazón	Nárazón	Tuulen	Värde	Värde	Värde
	Irány	Dir	Wind	Wind	Valor	Valor	Nárazón	Nárazón	Tuulen	Värde	Värde	Värde

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												ВОЛНЫ) ОТ	
Direction	irány	Direccion	Naar	W	Direção	Direcția	Smer	v		Suunta	Riktning	Направление	Curs
	leijn		richting	kierunek	para	către	k			(mihin)	mot	(ветра до или волны) к	сере

## BARRAGE CODE

Value	EN	BG	ES	CS	DA	DE	ET	EL	FR	HR	IT	LV	LT
CLD	Barrage Closed	Бараж затворен	Presa cerrada	jez uzavřen	Dæmmer lukket	Wehr ist geschlossen	Pais suletud	Κλειστό δατοορμή	Barrage fermée	Branazatvorena	sbarran chius	Aizsprosts slēgts	Uždaroma uždaryta
OPG	Barrage Opening	Бараж отворен	Apertura de presa	jez se otvára	Dæmmer åbner	Wehr wird geöffnet	Paisu avamine	Υδατοφάνη	Barrage ouverte	Branazatvorena	sbarran in fase di apertura	Aizsprosts atveras	Uždaryma atidaro
CLG	Barrage Closing	Бараж затваря	Cierre de presa	jez se zavírá	Dæmmer lukker	Wehr wird geschlossen	Paisu sulgemine	Υδατοφάνη κλεισίματος	Barrage se referant	Branazatvorena	sbarran in fase di chiusura	Aizsprosts aizveras	Uždaryma azdaroma
OPD	Barrage Opened, no navigation through barrage	Бараж отворен, проминаване през забранено	Presa abierta, paso prohibido	jez otevřen, zákaz plavby přes jez	Dæmmer åben, men ingen skiff fær over	Wehr ist geöffnet, keine Schiffe durch das Wehr	Pais avatud, keelatud paistõlga ei toimu	Ανοικτό δατοορμή, απαγορεύεται η ναυσιπλοΐα μέσω υδατοοράκτη	Barrage ouverte, navigation interdite	Branazatvorena, nije dopušten plovidba	sbarran aperto, nessun transito consentito	Aizsprosts atverts, kuģu saturs aizliegta	Uždaryma atidaryta, draudžiama laivyba
OPN	Barrage laid, opened for navigation through barrage	Бараж отворен за навигация	Presa abierta, autorizado	jez pro plavbu otevřen	Dæmmer åben, sejlads	Wehr ist geöffnet, Schiffahrt durch das Wehr	Pais avatud, laevatatamine	Ανοικτό δατοορμή, επιτρέπεται η ναυσιπλοΐα	Barrage ouverte, navigation autorisée	Branazatvorena, za plovidbu	sbarran aperto, transito consentito	Aizsprosts atverts, kuģu saturs aizliegta	Uždaryma atidaryta, laivybai

## BARRAGE CODE

Value	HU	MT	NL	PL	PT	RO	SK	SL	FI	SV	RU	SR
CLD	Duzzas zárva	Molnha Magħluqa	Stuw gesloten	Zapora zamknięta	Barraçada	Baraj închis	hať je zatvorená	zapora zaprta	Avattapato suljettu	Fördämning stängd	Плосина закрыта	Напреграда затворена

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

OPG	Duzzasnyitják	Mólygha Qed Tinfetab	Stuw wordt geopend	Otwierza zapory a	Barrage a abrir	Baraj în deschide	ha' sa dreára	odpiranje zapore	Avattava pato avautuu	Fördäm öppnas	Hingenä otkrývae	Напрегада се отвара
CLG	Duzzas zárják	Mólygha Qed Tinghalep	Stuw wordt gesloten	Zamyka zapory a	Barrage a fechar	Baraj în închide	ha' sa ratvára	zapiranje zapore	Avattava pato sulkeutuu	Fördäm stängs	Hingenä zakrývae	Напрегада се затвара
OPD	Duzzasnyitva, de áthajózás a duzzas nem megengedett	Mólygha Miftuhas navigazsinn gol-zóghádo projbita via geogedett	Stuw wordt geopend, maar geen orvaart stuw	Zapora otwarta, dla żegluga	Barrage aberta, passage prohibida	Baraj deschis, em se navigheaz	ha' sa je otvorena, qazplávskezi hat' zakázána	zapora odprta, nalovba skozi zaporo ni voljena	Avattava pato avattu, ei vesiliikennä padon kautta	Fördäm öppen, men sjöfart förbjuden	Hingenä otkrýva, no движение запрещено	Напрегада творена, но движение запрещено
OPN	Duzzas az áthajózás számármegnyitva minn gol-milqgha	Mólygha mifruhas zis'asir navigazs minn gol-milqgha	Stuw wordt geopend voor orvaart via stuw	Zapora otwarta, dla żegluga	Barrage aberta, passage autorizada	Baraj deschis, pentru naviga	ha' sa je otvorena, pre plavbu	zapora postavljena, za plovo	Avattava pato avattu, liikenteelle	Fördäm öppen för sjöfart	Hingenä otkrýva, dla движението на судов	Напрегада пуштена, для пловидба на судова

## COMMUNICATION CODE

Value	EN	BG	ES	CS	DA	DE	ET	EL	FR	HR	IT	LV	LT
TE	telephone	Телефон	Teléfono	telefon	Telefon	Telefon	Telefon	Τηλέφωνο	Téléphone	Telefon	telefono	Dālrunis	Telefonas
AP	VHF	Метрoн обхват	VHF	VKV	VHF	UKW	VHF	VHF	VHF	VHF	VHF	UĪV	VHF
EM	e-mail	Електронна поща (e-mail)	Correo electrónico	E-mail	E-mail	E-Mail	E-post	Ηλεκτρονικό ταχυδρομείο	elektronika	E-mail	e-mail	e-pasts	E. paštas
AH	internet	Интернет	Internet	Internet	Internet	Internet	Internet	Αιδοίκτο	Internet	Internet	Internet	Internet	Internetas
TT	teletext	Телетекст	Teletext	Teletext	Teletext	Teletext	Teletext	Τελετεξ	Télex	Teletext	telex	Teleteksts	Teletekstas
FX	telefax	Факс	Fax	Fax	Telefax	Telefax	Telefaks	Τηλεόμι	Télécom	Telefax	telex	Telefaks	Telefaksas
LS	light signalling	Светлонавігаційна сигналізація	Señal luminosa	svētlāmpu signālizācija	lysissignaal	lichtsignaal	valgus signaal	Φωτεινή σημάδια	signalisation lumineuse	Signalizacija	signala fanali	Gaisma signāls	šviesosignalai
FS	flag signalling	Флагонавігаційна сигналізація	Bandera	laikotzīme signālizācija	Vlagssignaal	flaggsignal	flaggsignal	Εἰματσημαίεις	avallor	Signalizacija	signala bandiera	Signāls ar karodziņiem	Signalai vėliavėlėmis
SO	sound signalling	Звукова навігаційна сигналізація	Señal acústica	zvukotzīme signālizācija	lydsignal	Tonsignal	hallsignal	Ηχητικό σημάδι	signalisation sonore	Signalizacija	signala skaņas	Signāls ar skaņām	Garsiniai signalai

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

EI	EDI mailbox number	Номер пощенски кутия EDI	Número de buzón EDI	číslo EDI schránky	EDI-mailbox Number	EDI-Mailbox Number	EDI-Mailbox Number	Αριθμός ηλεκτρονικού ποίδη EDI	Numér de boîte EDI	EDI broj pretinca	casella postale EDI	EDI postkastis numurs	EDI tālruna numērs
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## COMMUNICATION CODE

Value	HU	MT	NL	PL	PT	RO	SK	SL	FI	SV	RU	SR
TE	telefon	telefon	Telefoon	Telefon	Telefona	telefon	Telefón	telefon	Puhelin	Telefon	Телефон	Телефон
AP	rádiótelefon	VHF	Marifoon	VHF	VHF	VHF	VHF	VHF	VHF	VHF	Радиосвязь на ОБЧ	VHF
EM	e-mail	posta-eletronika	E-mail	E-mail	Correio-eletronico	e-mail	E-mail	e-pošta	Sähköposti	Besti post	E-mail	E-mail
AH	Internet	Internet	Internet	Internet	Internet	Internet	Internet	Internet	Internet	Internet	Интернет	Интернет
TT	teletext	teletext	Teletekst	Teletekst	Teletext	teletext	Teletext	teletext	Tekstitelevisi	Teleavis	Телетекст	Телетекст
FX	telefax	telefax	Fax	Telefaks	Telefaks	telefax	Telefaks	telefaks	Faksi	Fax	Факс	Телефакс
LS	fényjelzés	zender	Lichtsignaal	sygnalizacja świetlna	Signa lumine	semnal lumino	svetelná signalizácia	svetlobna signalizacija	valonmerkki	Ljus-signaler	Световые сигналы	Светлосна сигнализација
FS	lobogó jelzés	bil-bnadar	Vlagsignaal	sygnalizacja flagowa	Signa de bandei	semnal cu steagulete	vlajková signalizácia	signalizacija zastavicami	lippmerkki	flaggsignaler	Сигналы флагов	Сигнализација флагов
SO	hangjelzés	bil-hoss	Geluidsignaal	sygnalizacja dźwiękowa	Signa sonora	semnal sonor	zvuková signalizácia	zvočno signalizacija	äänimerkki	ljudsignaler	Звуковые сигналы	Звучна сигнализација
EI	EDI postafiószám	Numru tal-kaxxa postali EDI	EDI-mailboxnummer	Numer schránky pocztowej EDI	Número de caixa postal EDI	număr de casă postală EDI	číslo schránky EDI	Številka poštne predalnice EDI	EDI mailbox numero	EDI-postlådanummer	Номер почтового ящика EDI	Број сандучета EDI

## COUNTRY CODE

Value	EN	BG	ES	CS	DA	DE	ET	EL	FR	HR	IT	LV	LT
AT	Austria	Австрия	Austria	Rakousko	Österrig	Österreich	Austria	Австрия	Autriche	Austrija	Austria	Austrija	Austrija
BE	Belgium	Белгия	Bélgica	Belgie	Belgien	Belgien	Belgia	Βέλγιο	Belgique	Belgija	Belgio	Belgija	Belgija
BG	Bulgaria	България	Bulgaria	Bulharsko	Bulgaria	Bulgaria	Bulgaria	Βουλγαρία	Bulgarie	Bugarska	Bulgaria	Bulgaria	Bulgarija
CH	Switzerland	Швейцария	Svizzera	Švýcarsko	Schweiz	Schweiz	Schweiz	Ελβετία	Suisse	Švicarska	Schweiz	Sveits	Sveicarija
RS	Serbia	Сърбия	Serbia	Srbsko	Serbien	Serbien	Serbia	Σερβία	Serbie	Srbija	Serbia	Serbija	Serbija
CY	Cyprus	Κίπρος	Chipre	Kypr	Cypern	Zypern	Küpro	Κύπρος	Chypre	Cipar	Cipro	Kipra	Kipras



**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

CZ	Czech Republic	Česká republika	Tšekki	Česko	Česko	Česko	Česko	Česko	Česko	Česko	Česko	Česko	Česko
DE	Germany	Deutschland	Tyskland	Deutschland	Deutschland	Deutschland	Deutschland	Deutschland	Deutschland	Deutschland	Deutschland	Deutschland	Deutschland
DK	Denmark	Danimka	Danimka	Danimka	Danimka	Danimka	Danimka	Danimka	Danimka	Danimka	Danimka	Danimka	Danimka
EE	Estonia	Eesti	Eesti	Eesti	Eesti	Eesti	Eesti	Eesti	Eesti	Eesti	Eesti	Eesti	Eesti
ES	Spain	España	España	España	España	España	España	España	España	España	España	España	España
FI	Finland	Finland	Finland	Finland	Finland	Finland	Finland	Finland	Finland	Finland	Finland	Finland	Finland
FR	France	France	France	France	France	France	France	France	France	France	France	France	France
GB	United Kingdom	United Kingdom	United Kingdom	United Kingdom	United Kingdom	United Kingdom	United Kingdom	United Kingdom	United Kingdom	United Kingdom	United Kingdom	United Kingdom	United Kingdom
GR	Greece	Grécia	Grécia	Grécia	Grécia	Grécia	Grécia	Grécia	Grécia	Grécia	Grécia	Grécia	Grécia
HR	Croatia	Hrvatska	Hrvatska	Hrvatska	Hrvatska	Hrvatska	Hrvatska	Hrvatska	Hrvatska	Hrvatska	Hrvatska	Hrvatska	Hrvatska
HU	Hungary	Magyarország	Magyarország	Magyarország	Magyarország	Magyarország	Magyarország	Magyarország	Magyarország	Magyarország	Magyarország	Magyarország	Magyarország
IE	Ireland	Éire	Éire	Éire	Éire	Éire	Éire	Éire	Éire	Éire	Éire	Éire	Éire
IT	Italy	Italia	Italia	Italia	Italia	Italia	Italia	Italia	Italia	Italia	Italia	Italia	Italia
LT	Lithuania	Lietuva	Lietuva	Lietuva	Lietuva	Lietuva	Lietuva	Lietuva	Lietuva	Lietuva	Lietuva	Lietuva	Lietuva
LU	Luxembourg	Lëtzebuerg	Lëtzebuerg	Lëtzebuerg	Lëtzebuerg	Lëtzebuerg	Lëtzebuerg	Lëtzebuerg	Lëtzebuerg	Lëtzebuerg	Lëtzebuerg	Lëtzebuerg	Lëtzebuerg
LV	Latvia	Latvija	Latvija	Latvija	Latvija	Latvija	Latvija	Latvija	Latvija	Latvija	Latvija	Latvija	Latvija
MD	Moldova	Moldova	Moldova	Moldova	Moldova	Moldova	Moldova	Moldova	Moldova	Moldova	Moldova	Moldova	Moldova
MT	Malta	Malta	Malta	Malta	Malta	Malta	Malta	Malta	Malta	Malta	Malta	Malta	Malta
NL	Netherlands	Nederland	Nederland	Nederland	Nederland	Nederland	Nederland	Nederland	Nederland	Nederland	Nederland	Nederland	Nederland
PL	Poland	Polska	Polska	Polska	Polska	Polska	Polska	Polska	Polska	Polska	Polska	Polska	Polska
PT	Portugal	Portugal	Portugal	Portugal	Portugal	Portugal	Portugal	Portugal	Portugal	Portugal	Portugal	Portugal	Portugal
RO	Romania	România	România	România	România	România	România	România	România	România	România	România	România
RU	Russia	Россия	Россия	Россия	Россия	Россия	Россия	Россия	Россия	Россия	Россия	Россия	Россия
SE	Sweden	Sverige	Sverige	Sverige	Sverige	Sverige	Sverige	Sverige	Sverige	Sverige	Sverige	Sverige	Sverige
SI	Slovenia	Slovenija	Slovenija	Slovenija	Slovenija	Slovenija	Slovenija	Slovenija	Slovenija	Slovenija	Slovenija	Slovenija	Slovenija
SK	Slovakia	Slovensko	Slovensko	Slovensko	Slovensko	Slovensko	Slovensko	Slovensko	Slovensko	Slovensko	Slovensko	Slovensko	Slovensko
UA	Ukraine	Україна	Україна	Україна	Україна	Україна	Україна	Україна	Україна	Україна	Україна	Україна	Україна
ME	Montenegro	Crna Gora	Crna Gora	Crna Gora	Crna Gora	Crna Gora	Crna Gora	Crna Gora	Crna Gora	Crna Gora	Crna Gora	Crna Gora	Crna Gora

# COUNTRY CODE

Value	HU	MT	NL	PL	PT	RO	SK	SL	FI	SV	RU	SR
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AT	Ausztia	L-Awstria	Oostenrijk	Austria	Áustria	Austria	Rakus	Avstria	Itävalta	Österreich	Австрия	Аустрија
BE	Belgium	Fl-Belgiu	België	Belgia	Bélgica	Belgia	Belgicko	Belgija	Belgia	Belgien	Бельгия	Белгија
BG	Bulgária	Il-Bulgarija	Bulgarië	Bulgaria	Bulgária	Bulgaria	Bulharsko	Bolgarija	Bulgaria	Bulgarië	Болгария	Бугарска
CH	Svájce	L-Iżvizzera	Zwitserland	Schweiz	Suíça	Elvetia	Švajčiarsko	Škica	Sveitsi	Schweiz	Швейцария	Швајцарска
RS	Szerbia	Is-Serbja	Servië	Serbia	Sérvia	Serbia	Srbsko	Srbija	Serbia	Serbien	Сербия	Србија
CY	Ciprus	Ċipru	Cyprus	Cypr	Chipre	Cipru	Cyprus	Ciper	Kypros	Cyperm	Кипр	Кипар
CZ	Cseh Köztársaság	Ir-Repubblika Ċeka	Tsjechië	Republika Czeska	República Checa	Republika Ceha	Česko	Česka	Tšekki	Tjeckien	Чешская республика	Чешка Република
DE	Németország	Il-Iskandania	Duitsland	Germany	Alemania	Germania	Niemiec	Nemčija	Saksa	Tyskland	Германия	Немачка
DK	Dánia	Id-Danimarka	Denemarken	Dinamarca	Dinamarca	Danimarke	Dánsko	Danska	Tanska	Danmark	Дания	Данска
EE	Észtország	L-Ġstunja	Estland	Estonia	Estónia	Estonia	Estónsko	Estonija	Viro	Estland	Эстония	Естонија
ES	Spanya	Is-Spanja	Spanje	Hispania	Hispania	Spania	Španie	Španija	Espanja	Spanien	Испания	Ипанија
FI	Finnország	L-Ġstunja	Finland	Finland	Finlândia	Finlandia	Fínsko	Finska	Suomi	Finland	Финляндия	Финска
FR	France	Is-Franza	Frankrijk	Francia	França	França	Francúzsko	Franzija	Ranska	Frankrijk	Франция	Француска
GB	Egyesült Királyság	Il-Brenju Unit	Verenigd Koninkrijk	Wielka Brytania	Reino Unido	Regatun Unit	Meľká Británia	Združeno kraljestvo	Indistykongkraj	United Kingdom	Великобритания	Британија
GR	Görögország	Is-Greċja	Griekenland	Grecia	Grécia	Grecia	Grécko	Grčija	Kreikka	Grekland	Греция	Грчка
HR	Horvátország	Is-Kroazja	Kroatie	Chorwacja	Cróacia	Croatia	Chorvátsko	Hrvatska	Kroatia	Kroatien	Хорватия	Хрватска
HU	Magyarország	Is-Ungerija	Hongarië	Węgry	Hungria	Ungaria	Maďarsko	Mađarska	Slovaki	Ungern	Венгрия	Мађарска
IE	Írorszá	L-Irlanda	Ierland	Irlandia	Irlanda	Irlanda	Írsko	Irska	Irlanti	Irland	Ирландия	Ирска
IT	Olaszország	Is-Italja	Italië	Włochy	Itália	Italia	Taliansko	Italia	Italia	Italien	Италия	Италија
LT	Litvánia	Il-Litwanja	Litouw	Litwa	Lituânia	Lituania	Litva	Litva	Lietua	Litauen	Литва	Литванија
LU	Luxemburg	Is-Lussemburgu	Luxemburg	Luksemburg	Luxemburgo	Luxemburg	Luxemburg	Lussemburk	Luxemburg	Luxemburg	Люксембург	Люксембург

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

LV	Lettorska Latvija	Letland Latvija	Lotwa	Letónia	Letonia	Lotyšska	Katvija	Latvia	Lettland	Латвия	Летонија
MD	Moldávia Moldova	Moldavia Moldova	Moldavia	Moldavia	Moldova	Moldavia	Moldavia	Moldova	Moldavia	Молдавия	Молдавија
MT	Málta Malta	Malta	Malta	Malta	Malta	Malta	Malta	Malta	Malta	Мальта	Малта
NL	Hollandia Netherlands	Nederland Netherlands	Hollandia	Países Baixos	Társaság de Jos	Hollandia	Niozen	Alkmaar	Nederland	Нидерланды	Молдавија
PL	Lengyelország Polonja	Polen	Polska	Polónia	Polonia	Pol'sko	Poljska	Puola	Polen	Польша	Пољска
PT	Portugália Portugall	Portugal	Portugal	Portugal	Portugal	Portugal	Portugal	Portugal	Portugal	Португалия	Португал
RO	România Rumanija	Roemenië	Rumunien	Roménia	România	Rumunien	Romunien	Romania	Rumänien	Румыния	Румунија
RU	Oroszország Russija	Rusland	Rosja	Rússia	Rusia	Rusko	Rusija	Venäjä	Ryssland	Россия	Русија
SE	Svédország Izvezja	Zweden	Szwecja	Suécia	Suedia	Švédsko	Švedsko	Ruotsi	Sverige	Швеция	Шведска
SI	Szlovénia Slovenja	Slovenia	Slowenien	Eslovenia	Slovenia	Slovenska	Slovenia	Slovenia	Slovenia	Словения	Словенија
SK	Szlovákia Slovakkja	Slovakia	Slowakei	Slovácko	Slovacia	Slovensko	Slovensko	Slovakia	Slovakia	Словакия	Словачка
UA	Ukraina Ukrajna	Oekraïne	Ukraine	Ucrânia	Ucraina	Ukraina	Ukraina	Ukraina	Ukraina	Украина	Україна
ME	Montenegro Montenegro	Montenegro	Crna Gora	Montenegro	Montenegro	Črna Gora	Črna Gora	Montenegro	Montenegro	Черногория	Чрна Гора

## DIRECTION CODE

Value	EN	BG	ES	CS	DA	DE	ET	EL	FR	HR	IT	LV	LT
ALL	all directions	Всички посоци	Todas direcciones	všechny směry	Alle retninger	alle Richtungen	Kõik suunad	Όλες κατευθύνσεις	toutes les directions	Svi smjerovi	tutte le direzioni	Visi virzieni	Visomis kryptimis
UPS	upstream	Горно течение	Aguas arriba	proti proudu	Opstrømt	Bergauf	Ülesvool	Ανάνευ	montant	uzvodno	Preto	Pret straumi	Prieš srovę
DWN	downstream	Нижње течение	Aguas abajo	po proudu	Nedstrømt	Talshaf	Allavool	Κατωάνευ	avalant	Nizvodno	discesa	Pastraumi	Pasroviui

## DIRECTION CODE

Value	HU	MT	NL	PL	PT	RO	SK	SL	FI	SV	RU	SR
ALL	minden irányba	nidirezzjoni kollha	Alle richtingen	Wszystkie kierunki	Todas as direções	toate direcțiile	všetky smery	vse smeri	Kaikki suunnat	Alla riktningar	Движение	Сми смерови

Changes to legislation: There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

												всех направлений	
UPS	hegymenstreafupvaar	Pod prąd	Montante amonteprúdu	proti prúdu	proti toku	Vastavil	Heppströð	Движение вверх по течению	Изводно				
DWN	völgymenstreafmarZ	prądem	Jusantein aval	po prúde	v smeri toka	Myötä	Nea	Движение вниз по течению	Изводно				

LANGUAGE CODE

Value	EN	BG	ES	CS	DA	DE	ET	EL	FR	HR	IT	LV	LT
EN	English	Англи	Ingles	anglicky	Engelsk	englisch	inglise	Αγγλική	Anglais	ingles	inglese	Angļu	Anglų
BG	Bulgarian	Български	Bulgarski	bulharsky	Bulgarisk	bulgarski	bulgār	Български	Bulgarisch	bugarski	bulgaro	Bulgār	Bulgarų
ES	Spanish	Испански	Español	španělsky	Spansk	spanisch	hispaani	Εσπανιζικά	Espagnol	spanjolski	spagnolo	Spāņu	Ispanų
CS	Czech	Чешски	Checo	česky	Tjekki	tschechisch	hišahi	Τσεχικά	Tchèquais	češki	ceco	Čehu	Čekų
DA	Danish	Датски	Danés	dánsky	Dansk	dänisch	haani	Δανικά	Danois	danski	danese	Dāņu	Danų
DE	German	Немски	Alemán	ěmecký	Tysk	deutsch	saksa	Γερμανικά	Allemand	mađed	tedesco	Vācu	Vokiečių
ET	Estonian	Естонски	Estoni	estonsky	Eystisk	estnisch	hesti	Εσθονικά	Estonies	estons	estone	Igauni	Estų
EL	Greek	Гръцки	Griego	řecky	Græsk	griechisch	tsheka	Ελληνικά	Græc	grčki	greco	Grieku	Graikų
FR	French	Френски	Francés	franco	Ezskys	französisch	susa	Ελληνικά	Français	fancuski	kances	Francu	Prancūzų
GA	Gaelic	Ирландски	Gaelic	Irsky	Irsk	gälisch	hiri	Ιρλανδική	Gaelique	irski	gaelic	Gēlu	Gēlų
HR	Croatian	Хрватски	Croat	chorvatsky	Kroatisk	hrvatski	hrva	Κροατικά	Créato	hrvatski	kroato	Horvāt	Kroatų
IT	Italian	Итали	Italiano	italsky	Italiensk	italienisch	italia	Ιταλικά	italien	talijanski	kaliano	tālieš	italų
LV	Latvian	Латвиски	Latvian	lotyšsky	kyettisk	klettisch	hāti	Λετονικά	kāton	latvijski	kettone	Latviešu	Latvių
LT	Lithuanian	Литовски	Lituan	litevsky	Litauisk	litauisch	ledu	Λιθουανικά	lituan	litavski	lituano	Lietuvių	Leituvių
HU	Hungarian	Магярски	Hungar	mad'arsky	kygarski	ngarisch	uhgari	Ουγγρική	Hóngrois	magarski	higher	besgár	Vengrų
MT	Maltese	Малтски	Malté	smaltsky	Maltesisk	maltesisch	isalta	Μαλτέζικα	Maltai	malteski	kialtese	Maltiesi	Maltiečių
NL	Dutch	Холандски	Nederlandse	zei	Nedersk	landisch	landisoli	Δλλανδικά	Néerlandais	oizemsk	landota	Nyder	Nederlandų
PL	Polish	Полски	Polaco	polsky	Polsk	polnisch	poola	Πολωνικά	Polonais	poljski	polacco	Poļu	Lenkų
PT	Portuguese	Португалски	Portugués	portugalsky	Hokutisk	gaisirugalski	galsi	Πορτογαλικά	Portuguais	portugalski	glo	Portugalų	
RO	Romanian	Румунски	Romano	munsky	Romænsk	nänisch	neer	Ρουμανικά	Rómain	munjski	men	Rumân	Rumunų
SK	Slovak	Словаки	Slovak	slovensky	Slovakisk	slowakisch	schak	Ελλοβακικά	Slováck	slovački	slovacko	Slovák	Slovakų
SL	Slovenian	Словенски	Sloven	slovensky	Slovensk	slowenisch	chee	Σλοβενικά	Slovèns	lovenski	loven	Slovèn	Slovėnų
FI	Finnish	Финляндски	Finski	finsky	Finsk	finnisch	hoome	Φινλανδικά	Finnóis	finski	finland	Suomi	Suomių
SV	Swedish	Шведски	Sveco	švédsky	Svensk	schwedisch	disoti	Σουηδικά	Suèdois	isvedski	ivedes	Zviedr	Švedų

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RU	Russian	Русский	Russo	rusky	Russisch	kussisch	chene	Росси́йский	Russe	ruski	russo	Krievu	Rusų
SR	Serbian	Српски	Serbio	srbsky	Serbisch	serbisch	serbia	Српски	Serbe	srpski	serbo	Serbu	Serbu

## LANGUAGE CODE

Value	HU	MT	NL	PL	PT	RO	SK	SL	FI	SV	RU	SR
EN	angol	Ingliz	Engels	angiels	Inglês	Engleză	anglická	angleščina	Englanti	Engelska	Английский	английски
BG	bolgár	Bulgar	Bulgaar	bulgars	Búlgar	Bulgară	bulharska	bolgarščina	Bulgari	Bulgariska	Български	български
ES	spanyol	Espanjo	Spaans	hiszpan	Espanh	Espanio	Espaniel	španščina	Espanja	Espaniska	Испанский	испански
CS	cseh	Ček	Tsjechi	szski	Checo	Cehă	česky	češčina	Tšekki	Tjeckiska	Чешский	чешски
DA	dán	Daniž	Deens	duński	Dinam	Dună	čadánsky	danščina	Danska	Danska	Датский	датски
DE	német	Ġerman	Duits	niemieck	Alemão	Germană	německý	nemščina	Saksa	Tyska	Немецкий	немски
ET	éoszt	Estonia	Eists	estońsk	Estónio	Estonă	estóńsky	estonščina	Viro	Estnisk	Эстонский	эстонски
EL	görög	Grieg	Grieks	grecki	Grego	Greacă	grécky	grščina	Kreikka	Grekiska	Греческий	грчки
FR	francia	Franciž	Frans	francus	Francês	Francea	francúzsky	francoščina	Ranska	Franska	Французский	француски
GA	ír	Gaelic	Iers	irlandz	Gaélic	Irlandeză	irsky	irščina	Iiri	Iriska		
HR	horvát	Kroat	Kroatisk	chorwa	Cróata	Croată	chorvátsky	krovaščina	Kroatia	Kroatiska	Корватский	хрватски
IT	olasz	Taljan	Italiaan	włoski	Italiano	Italiană	italiansky	italijanščina	Italia	Italienska	Итальянский	италијански
LV	lett	Latvian	Lets	lotewski	Lietāo	Letonă	lotyšský	latvijščina	Latvia	Lettiska	Латвийский	латвийски
LT	litván	Litwen	Litouw	litewski	Lituand	lituană	litovský	litovščina	Latvija	Litauiska	Литовский	литвански
HU	magyar	Ungariz	Hongaar	węgierski	Hungar	Maghiară	magyar	magyar	Ungari	Ungerska	Венгерский	мађарски
MT	máltai	Malti	Maltees	maltanski	Maltês	Malteza	maltsky	malteščina	Malta	Maltesiska	Мальтский	малтски
NL	holland	Netherland	Nederlands	Nederlands	Nederlands	Nederlandsă	Nederlands	Nederlands	Nederland	Nederlands	Голландский	голландски
PL	lengyel	Pollakk	Pools	polski	Polaco	Poloneză	polsky	poljščina	Puola	Polska	Польский	полтгалски
PT	portugal	Portugali	Portugues	portugalski	Portugues	Portuguesă	portugalsky	portugalska	Portugali	Portugalska	Португальский	португалски
RO	román	Rumen	Roemeens	romuńsk	Romen	Română	romuńsky	romuńščina	Romania	Rumäniska	Румынский	румунски
SK	szlovák	Slovak	Slowaakk	slowacki	Eslovaco	Slovacă	slovenský	slovaščina	Slovakia	Slovakiska	Словацкий	словачки
SL	szloven	Sloven	Sloveens	sloweniski	Esloven	Slovenă	slovinski	slovenščina	Slovenia	Slovenska	Словенский	словеначки
FI	finn	Finland	Fins	fiński	Finland	Finlandă	finnsky	finščina	Suomi	Finska	Финский	фински
SV	svéd	Žvediz	Zweeds	szwedzki	Sueco	Suedeza	švédsky	švedščina	Raotsi	Svenska	Шведский	шведски
RU	orosz	Russu	Russisch	rosyjski	Russo	Rusă	rusky	ruščina	Venäjä	Ryska	Русский	росовачки
SR	szerb	Serb	Servisch	serbski	Sérvio	Sârbă	srbsky	srbščina	Serbia	Serbiska	Сербский	српски

## INDICATION CODE

Value	EN	BG	ES	CS	DA	DE	ET	EL	FR	HR	IT	LV	LT
MAX	maximum	максимум	máximo	maksimum	Maksimum	höchstens	maksimaalselt	Maximum	maximum	Najviše	massimo	maksimāls	dėlžiausia

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MIN	minimum	минимум	minimum	minimum	Minimum	minimum	steins	Ελάχιστο	minimum	Najmanje	minimum	минимум	mažiausia
RED	reduced by	уменьшен	Reduced	reduced	Réduces	verringet	ελάττωσε	Μειώθηκε	Smanjiti	diminuito	уменьшен	mažina	sažinama

## INDICATION CODE

Value	HU	MT	NL	PL	PT	RO	SK	SL	FI	SV	RU	SR
MAX	Maximum	Massima	Maximum	maksymalny	Máximo	maxim	maxim	največji	enaksimi	Maximum	максимальный	максимум
MIN	Minimum	Minima	Minimum	minimalny	Mínimo	minim	minim	najmanjši	enakimi	Minimum	минимальный	минимум
RED	általában csökken	immanat	Verminderet	zmniejsza (wartość)	Reduzido	reduc	znížený	zmanjša	vähenn	Reducerat	уменьшен	уменьшен

## INTERVAL CODE

Value	EN	BG	ES	CS	DA	DE	ET	EL	FR	HR	IT	LV	LT
CON	continuous	непрерывно	Continuo	nepřetržitě	Kontinuerlig	dauerhaft	Pidev	Συνεχής	Permanent	Neprekidno	continuo	nepārtraukti	Nuolat
DAY	daily	Ежедневно	Diario	denně	Dagligt	täglich	Iga päev	Ημερήσιος	Journalier	Dnevno	giornaliero	Ikaro dienas	Kasdien
WRK	Monday to Friday	От понеделник до петък	Lunes a viernes	pondělí až pátek	Mandag til fredag	Montag bis Freitag	Esmaspäev kuni reede	Εξαρτάται από Παρασκευή	Monday to Friday	Od ponedjeljka do petka	da lunedì a venerdì	No pirmdienai līdz piektdienai	Nuo pirmadienio iki penktadienio
WKN	Saturday and Sunday	Суббота и воскресенье	Sábado y domingo	sobota a neděle	Lørdag og søndag	Samstag und Sonntag	Samstaga ja pühapäev	Σάββατο και Κυριακή	Samedi et Dimanche	Subota i nedjelja	sabato e domenica	Sestdienas un svētdienas	Šeštadienis ir sekmadienis
SUN	Sunday	Неделя	Domingo	neděle	Søndag	Sonntag	Pühapäev	Κυριακή	Dimanche	Nedjelja	domenica	Svētdiena	Sekmadienis
MON	Monday	Понедельник	Lunes	pondělí	Mandag	Montag	Esmaspäev	Δευτέρα	Ponedi	Ponedjelje	lunedì	Pirmdiena	Pirmadienis
TUE	Tuesday	Вторник	Martes	úterý	Tirsdag	Dienstag	Täisipäev	Τρίτη	Mardi	Utorok	martedì	Otrdienā	Antradienis
WED	Wednesday	Среда	Miércoles	středa	Onsdag	Mittwoch	Kolmapäev	Τετάρτη	Mercredi	Sljedi	mercoledì	Trešdiena	Trečiadienis
THU	Thursday	Четверг	Jueves	čtvrtek	Torsdag	Donnerstag	Neljapäev	Πέμπτη	Jeudi	Četvrtak	giovedì	Ceturtdiena	Keturadienis
FRI	Friday	Пятник	Viernes	pátek	Fredag	Freitag	Reede	Παρασκευή	Vendredi	Petak	venerdì	Piektdiena	Penktadienis
SAT	Saturday	Суббота	Sábado	sobota	Lørdag	Samstag	Samstaga päev	Σάββατο	Samedi	Subota	sabato	Sestdienā	Šeštadienis
DTI	day-time	През дня	Período diurno	dne	Om dagen	bei Tag	päeval	Κατά τη διάρκεια της ημέρας	en journée	Preko dana	diurno	dienā	Dienos metas
NTI	night-time	През ночи	Período nocturno	noći	Om natten	bei Nacht	öösel	Κατά της διάρκειας της νύχτας	de nuit	Preko noći	notturmo	naktī	Nakties metas

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RVI	in case of restricted visibility	При ограничении видимости	Conducibilitate redusă	začlenění	Vedensat	bei beschränkter Sicht	piiratud	Leikkisuudesta	paraspitettävyydestä	Uvasta	in caso di visibilità ridotta	ierobežājamā redzamība	Reģistrētais mums
EXC	with the exception of	С изъятием	salvo	s výjimkou	Med undtag af	mit Ausnahme von	välja Eksamusest	Εξαιρουμένων	l'exception de	S'ad eccezione di	ad eccezione di	izņemot	dēskurys
WRD	Monday to Friday except public holidays	От понедельника до пятка, исключая на официальные праздники	De lunes a viernes excepto festivos	pondělí až pátek kromě státních svátků	Mandag til fredag undtag helligdage	Montag Freitag ausgenommen Feiertage	Elisapäevad ja pühapäevad välja arvatud	Εξαιρουμένων των εθνικών εορτών	Ουκ συμπεριλαμβανομένων των εθνικών εορτών	Od ponedielja do petka osim praznika	da lunedì a venerdì eccetto i giorni festivi	No pirmdienai līdz piektdienai izņemot oficiālās svinamdienas	Nuo pirmadienio iki penktadienio, išskyrus šventes dienas

## INTERVAL CODE

Value	HU	MT	NL	PL	PT	RO	SK	SL	FI	SV	RU	SR
CON	folyam (kontinuum)	kontinuum	Onafgebroken	ciągły	Continuo	permanen	nepretržit	zvezporeden	ijuttova	Fortlöpande	непрерывно	Непрекидан
DAY	napontakuljum	kuljum	Dagelijks	kodzien	Diário	zilnic	denne	dnevno	Päivittäin	Dagligen	ежедневно	Дневно
WRK	hétfőre péntekig	Mit- Frejnsal- Ġimgħa	Van maandag tot en met vrijdag	od poniedziałku do piątku	Segunda-feira à sexta-feira	de luni până vineri	pondeläz piatok	old ponedelja do petka	Maana- Perjantai	Måndag till fredag	понедельник по пятницу	Од понеделјка до петка
WKN	szombat és vasárnap	Sibt al-Hadd	Zaterdag en zondag	sobota i niedziela	Sábado e domingo	sâmbătă și duminică	sobota a nedelja	sobota in nedelja	Lauantia ja sunnuntai	Lördag till söndag	суббота и воскресенье	Субота и недеља
SUN	vasárnap	al-Hadd	Zondag	niedziela	Domingo	duminică	nedelja	nedelja	Sunnuntai	Söndag	воскресенье	Недеља
MON	hétfő	It- Tnejn	Maandag	poniedziałek	Segunda-feira	luni	pondeläz	old ponedelja	Maana- Munkia	Måndag	понедельник	Понеделјак
TUE	kedd	It- Tlieta	Dinsdag	wtorek	Terça-feira	marți	utorok	torek	Tiistai	Tisdag	вторник	Уторак
WED	szerda	L- Erbgħa	Woensdag	środa	Quarta-feira	miercuri	sreda	sreda	Keskiviikko	Onsdag	среда	Среда
THU	csütörtök	It- Hamis	Donderdag	czwartek	Quinta-feira	joi	štvrtok	četrtok	Torstai	Torsdag	четверг	Четвртак
FRI	péntek	Il- Ġimgħa	Vrijdag	piątek	Sexta-feira	vineri	piatok	petek	Perjantai	Freitag	пятница	Петак

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SAT	szombat	als-Sibt	Zaterdag	subota	Sábado	sâmbătă	subota	sobota	Lauantai	tiördag	суббота	Субота
DTI	nappal	matul il-gurnata	Overdag	porze dziennej	Período diurno	în timpul zilei	cez deñ	podnev	päivisin	Dagtid	Дневное время	Дану
NTI	éjszaka	amatul il-lejl	's Nachts	w porze nocnej	Período noturno	în timpul nopții	v noci	ponoči	öisin	Natttid	Ночное время	Ноћу
RVI	korlátozó látási viszonyok esetén	fortaż ta' w kibb il-ristretta	Bij beperkt zicht	w przypadku ograniczonej widoczności	Com în caz de vizibilitate redusă	în caz de vizibilitate redusă	pri znížených viditeľnostiach	v primeru ollesenej vidljivosti	näkyvyyden rajoilla	Vidn begränsad syn	в случае ограниченной видимости	При ограничѣнности
EXC	kivéve	bl-eċċez ta'	Met uitzondering van	z wyjątkiem	Excetuando	and excepția	okrem	razen	lukuun ottamatta	Med undantag av	За исключением	Са изузетком
WRD	hétfő	hét péntek	Mit-twejn sal-ünnepp minn birtajjel public feestdag	Van maandag tot en met vrijdag	od poniedziałku do piątku	Segunda ziua luni până vineri	de luni până vineri	pondel až piatok	old ponedeljak do petka	Maanantai illin vappäivän lukuun ottamatta	С понедельника по пятницу, кроме выходных	Од понедѣлка до п'ятка, крім вихідних

LIMITATION CODE

Value	EN	BG	ES	CS	DA	DE	ET	EL	FR	HR	IT	LV	LT
OBST	Blockage	Блок	Obstrucción	Obstrukce	Bloker	Sperre	Blokeer	πρόβλημα	Restriction	Prepreka	ostruzione totale	Bloķē	Blokavimas
PARO	Partial obstruction	Частична претъпя	Obstrucción parcial	Částečná obstrukce	Delvistilveise	Saline	Osaline	Μερική	Restriction	Djelomična prepreka	ostruzione parziale	Daļēji bloķē	Dalinis blokavimas
DELA	Delay	Закъснение	Retraso	zpoždění	Försink	Verzögerung	Hülm	Κράση	Délai	Kasnjerenje	ritardo	Aizkavē	Delais
VESL	Vessel length	Дължина на кораба	Longitudinal	délka plavidla	Fartøjens længde	Schiffslänge	laime	Μήκος πλοίου	Longueur du bateau	Duljina broda	lunghezza natante	Kuģa garums	Laivo ilgis
VESH	Vessel draught	Височина на кораба	Altura de la obra muerta	výška plavidla nad hladinou	Fartøjens højde over vandlinjen	Schiffshöhe	šaukuma	Μέγιστος ύψους πλοίου	tirant d'air le plus grand du bateau	Visina najviše fiksne točke broda iznad vode	altezza natante dalla poe dell'acqua	Kuģa virsūdens augstums	Laivo aukštis virš vandens
VESB	Vessel breadth	Ширина на кораба	Amplitud	šířka plavidla	Fartøjens bredde	Schiffsbreite	laidis	Μέγιστο πλάτος πλοίου	largueur du bateau	Širina broda	larghezza del natante	Kuģa platums	Laivo plotis



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VESSEL	Ressel draught	Газета корабља	Caladron plavida	ponor plavida	Fartøj labyg	Skibsfart	Shifergang süvis	Shifergang skáforos	Θύρα του πειρατή	Tirant du bateau	Gaz broda	pescage natant	Kuoga eegrim	Laivo grimzlė
AVAILABLE	Ennailable length	Должны дължина	Esloca disponibila	porovolebka	Disponibelængde	ibefüglänge	Karsuta pikkus	Αναθέσιμος μήκος	Longuedisponibile	Raspoložljivinad	highe	Prelaibilams	laivizis	amas
CLEARANCE	Clearance height	Свободна височина	Libropodjezverta	črnyška	Frangihøjden	Durchgangshöhe	Kluthöhe körgus	Παύση ύψος διέλευσης	Houteulibre	Visina tiranteplovno	tirantegaria	Pielauaugstums	laivizis	amas
CLEARANCE	Width	Ширина	Librohorizontala	oprůžka	Frangibredde	Durchgangsbreite	Kluthöhe laius	Πλάτος διέλευσης	Larguedisponibile	Širina plovnotvora	larghezzavogella	Pielauplatums	laivizis	amas
AVAILABILITY	Depth	Должны газенедиспонибл	Profundidadde	habka	Waddetiefe	Waddetiefe	Karsuta sügavus	Αναθέσιμος βάθος	Mouillabledisponibile	Raspoložljivnamassini	ležavagidni	Esamas	Esamas	amas
NOMOR	Mooring	Забраненгавартанеamarre	Prohibicioneamarre	zákaz vyvazování	Fortøjningsforbudt	Frangma	Shifergang keelatud	Απαγορευτικό κυκλοφορίας	Interditt	Zabranjen	niemo	Pietau aizliegta	Dašiamā	šiamā
SERVICE	Changed service	Изменен обслуживание	Servicio modificado	mezen	Endregeändret	geändret	Pieratulliseenitus	Επιπολεσθέν	Exploitation limitée	Granicata	serviziulimitato	serviziulimitato	serviziulimitato	serviziulimitato
NOSERVICE	RV service	Няма обслуживане	Interrupción de servicio	pasán	ingen	kein	Ei teenindus	Καμία παροχή	Navigační	Nomina	nessun servizio	Pakalpojums	Nepasarnaujama	šiamā
SPEED	Speed limit	Ограничение на скорости	Limite de velocidad	mezen	Hastigheten	keins	Höchstgeschwindigkeit	Κρίσιμη ταχύτητα	Limitation de vitesse	Ograničenje brzine	limite de velocità	Ātruma ierobežojums	Ribojamas	šiamā
WAVES	Wash of waves	Забранен създаване на вълни	No oleaje	zákaz vlnobítí	Undgå vlnobítí	Sog og Wellen	Voolu tekita	Απαγορευτικό κυματισμών	Barmou	Zabranjen	niemo	Neradil	Nekelti	šiamā
PASSING	No passing	Забранен преминване	Prohibición de paso	zákaz vlnobítí	Passage	Begegnung	Liikisvõimalus	Απαγορευτικό κυκλοφορίας	Interditt	Zabranjen	niemo	Aizliegta	Paukti	šiamā
ANCHOR	Anchor	Забранен якорна котва	Prohibición de anclaje	zákaz vlnobítí	Opankäyttö	kein	Enkervõimalus	Απαγορευτικό κυκλοφορίας	Ankrag	Zabranjen	niemo	Noenk	Draudžiama	šiamā
OVERTAKE	AK overtaking	Забранен обгон	Prohibición de adelantamiento	zákaz vlnobítí	Overhaling	Überholmanöver	Moottorijätkä	Απαγορευτικό κυκλοφορίας	Dams	Zabranjen	niemo	Apdzīt	Lenkti	šiamā
MINIMUM	Power	Минимална мощност	Potencia mínima	minimalkraft	Minimalkraft	Mindestleistung	Minimale jõud	Ελάχιστο ισχύος	Minimale	Minimale	Minimale	Minimale	Minimale	šiamā

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

ALTER	Alternate traffic direction	Еднопосочно движение	Tráfico unidireccional	Tridávový směr	Skiftet færdsselsretning	Einbahn	Asvendi	Εναρτησ	αποσπασματικό	Nepismernjen	jeaffian	divvir	Κερί	Κερί
CAUTION	Special caution	Особое внимание	Pescuza	zvláštní opatrnost	Særlig opmærksomhed	besondere Vorsicht	Ärmel	Προσοχή	προσοχή	Prezent	particulă	opreza	Ypatingas dėmesys	Ypatingas dėmesys
NOLIMIT	Mo limitation	Без ограничения	Sin limitación	bez omezení	Ingen begrænsning	keine Einschränkung	Piirang	Κανένας περιορισμός	Bez limitării	Bez ograničenja	nessun limitazione	bez omezení	Apribojimų	Apribojimų
TURN	Turning	Забранено извършване на поворот	Prohibido girar	bez povolení obrát	Vending tilladt	Wenden	Pöörat	Ανέγερση	Prohibido virer	Zabranjeno okretanje	denietopagiev	manovra	Apisukti	Apisukti
NOSHORE	Not allowed to go ashore	Забранено слизание на брега	Prohibido desembarcar	bez povolení na břeh	Ikke tilladt at gå i land	Landgang	Maalet	Ανέγερση	Prohibido débarquer	Zabranjeno približavanje obalu	denietopagiev	doties	Išlipti krantą	Išlipti krantą
CONVB	Convoy breadth	Ширина состава	Marginal del convoy	širka sestavy	Konvojbredden	Wegbreite	Μεταξύ	Ελάττωμα	Largeur du convoi	Širina sastava	larghez	zaravān	Ilavų	Ilavų
CONVLE	Convoy length	Длина на состава	Edel del convoy	délka sestavy	Konvoj længde	Varmlængde	Μήκος	Longueur	Duimlunghe	Širina sastava	larghez	zaravān	Ilavų	Ilavų
LEADER	Lead depth sounded	Минимална дълбочина на звука	Profundidad mínima	malá hloubka	Mindesttiefe	Mindesttiefe	Μικρό βάθος	Προφύλαξη	Minimale diepte	Minimale diepte	Minimale diepte	Mažākais dziļums	Mažiausias gylis	Mažiausias gylis
NOBERT	Not allowed to berth	Забранено якорене (на котва или на вързала към брега)	Prohibido atracarse	bez povolení atklást	Ikke tilladt at lægge til kaj	Stillie	Seikan	Ανέγερση	Prohibido stationner	Zabranjeno pristajanje	denietopagiev	doties	Švartuotis draudžiama	Švartuotis draudžiama

## LIMITATION CODE

Value	HU	MT	NL	PL	PT	RO	SK	SL	FI	SV	RU	SR
OBST	Úzrlat	ostaklu	Stremm	Zagknip	Obstrukcija	blocaj	blokada	zapore	Este	Blocker	Заграждение	Препрека
PAROB	Szlegel	ostaklu	Gedeel	Chłoch	Obstrukcja	restricție	častočné	delna	Osittain	Delvis	Частично	Делимична
DELAV	Késedel	ostaklu	Gedeel	Chłoch	Obstrukcja	restricție	častočné	delna	Osittain	Delvis	Частично	Делимична
DELAV	Késedel	ostaklu	Gedeel	Chłoch	Obstrukcja	restricție	častočné	delna	Osittain	Delvis	Частично	Делимична

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

VESLEHajó	szal- tal- bastiment	Scheep	Engos- statku	Comprimento (embarcação)	magasság plavidla	dolžina plovilla	Alukse pituus	Fartygs- längda	Дужина пловила
VESHajó magassága	gholi- sta- bastiment	Scheep	Wysokość statku	Altura acima da linha de água (embarcação)	înălțime deasupra liniei de plutire	výška plavidla nad hladinou	prosta višina plovilla korkeus vedenpinnasta	Fartygs- höjd över pinnatan	Высота судна максимална висина пловила над водом
VESBRHajó szélessége	wisa- le- bastiment	Scheep	Szerke- statku	Alargura (embarcação)	lățime așirka plavidla	širina plovilla	Alukse leveys	Fartygs- breddna	Ширина пловила
VESDRHajó merülés- mértéke	fundar- niehtie- ghall- bastiment	Diepgang	Zgornur- statku	Grado (embarcação)	pescajup plavidla	ugrez plovilla	Alukse syväys	Fartygs- djupgående	Осадка Газ пловила
AVALEHajó állóképesség	szélesség	Doorva- nibbli	Długość użytkowa	Comprimento disponível	magasság admis- dłzka	rozpo- dolžina	Käytett- oleva pituus	Tiivis- längd	Пассажир- ани длина дужина
CLEHEHajó űrszély- magasság	szélesség	Doorva- w świetle	Wysokość w świetle	Altura livre de înălțime	gabaritu de vyska prehoda	rozpo- višina prehoda	Alikul- hoid	Käytett- oleva pituus	Свободна висина
CLEWEHajó állóképesség	szélesség	Doorva- w świetle	Szerke- statku	Alargura (embarcação)	lățime așirka plavidla	širina plovilla	Käytett- oleva pituus	Tiivis- längd	Свободна ширина
AVADEHajó állóképesség	szélesség	Doorva- w świetle	Długość użytkowa	Comprimento disponível	magasság admis- dłzka	rozpo- dolžina	Käytett- oleva pituus	Tiivis- längd	Пассажир- ани длина дужина
NOMORHajó állóképesség	szélesség	Doorva- w świetle	Długość użytkowa	Comprimento disponível	magasság admis- dłzka	rozpo- dolžina	Käytett- oleva pituus	Tiivis- längd	Пассажир- ани длина дужина
SERVICegváls- üzem	szélesség	Doorva- w świetle	Długość użytkowa	Comprimento disponível	magasság admis- dłzka	rozpo- dolžina	Käytett- oleva pituus	Tiivis- längd	Пассажир- ани длина дужина
NOSERHajó állóképesség	szélesség	Doorva- w świetle	Długość użytkowa	Comprimento disponível	magasság admis- dłzka	rozpo- dolžina	Käytett- oleva pituus	Tiivis- längd	Пассажир- ани длина дужина
SPEEDsebes- ség	szélesség	Doorva- w świetle	Długość użytkowa	Comprimento disponível	magasság admis- dłzka	rozpo- dolžina	Käytett- oleva pituus	Tiivis- längd	Пассажир- ани длина дужина
WAVWajó állóképesség	szélesség	Doorva- w świetle	Długość użytkowa	Comprimento disponível	magasság admis- dłzka	rozpo- dolžina	Käytett- oleva pituus	Tiivis- längd	Пассажир- ани длина дужина

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		mewg projbita				a sania		tuottaminen kielletty			
PASSIN	Nalálko tilos	passaggio proibit	Ontmo verboden	Zakaz mijada	Proibic passar	interzis interzis	zákaz stretáva prohod	prepove lápikul	Passeri förbjud	Иет проход	Забрањен пролаз
ANCHOR	Örögon tilos	ankragg proibit	Ankere verboden	Zakaz twiczo	Proibic ancorar	interzis interzis	zákaz kotvenis	prepove sidranj	Ankring förbjud	Якорна оукиса	Забрањено оукиса запрећена
OVRTAK	Közn tilos	projbit il-qbiż ta' bastimenti ohra	Voorbij verboden	Zakaz przejeżdżania	Proibic cruzar ou ultrapassar	interzis interzis	zákaz přecházení	prepove přecházení	Omkör förbjud	Обгон запрећен	Забрањено престизање
MINPWR	Minimális teljesítmény	potenza minima	Minimale vermogen	Minimální moc	Potência mínima	putere minimă	minimální výkon	alajman erő	Minimale motorer	минимална мощност	Минимална мощност
ALTER	Váltakör forgalmi irány	alternatív tátraffiku	Beurtel verkeer	Rogsh aprzen	Sentido alternativo	trafic sensuriser alternativ	striedaj sa promet promet	úmen dijente suunta	Ättern färdriktning	Водич движение кретања	Нас изменични попер кретања
CAUTION	Övattoss ővattoss	tattenzia speciale	Bijzondere voorzicht	Prezaged oboznosc	Atenção especial	vigilenta speciară	živšená opatnost	posebna sôzornost	Varning översikt	Соблюдо осторожност	Пооб собоуд ощер
NOLIMIT	Mincs korlátozás	ebda restrizzjoni	Geen beperking	Koniec ograniczenia	Sem restricção	fără restricție	bez obmedzenia	brez oiztovazh	Ingen begränsning	Без ограничења	Без ограничења
TURN	Negfor tilos	dulman projbit	Draaien verboden	Zakaz zwracania	Proibic inverter marcha	interzis interzis	zákaz otvraty obratov	prepove otvraty	Kääntö förbjud	Извор запрећен	Забрањено кретање
NOSHORE	Öröf tilos	tárbark projbit	Aan wal gaan verboden	Brak pozwolenia	Proibic a terra	este permis accesul	zákaz vystup na brehu	prepove vystup	Maailma försäkring	Запрећен излазак на обалу	Забрањен излазак на обалу
CONBROAD	Röszélesség konvoj	kiswisa' konvoj	Breedte van de duwsleep	Szerokość zestawu	Osgruado comboio	gura convoi	časírka zostav	širina konvoja	kytkye konvoje	Ширина состава судов	Ширина состава судов
CONLENGTH	Röthossz konvoj	telkul konvoj	Lengte van de duwsleep	Długość zestawu	Comprimento comboio	lungime convoi	delžka zostav	dolžina konvoja	kytkye konvojen pituus	Дужина состава судов	Дужина состава судов
LEADER	Minimális mélység	alacsony mélység	Minst diepte	Najmniejsza głębokość	Pisfund minimă	fund minimă	delj hĺbka	šatalin globina	Minsta djup	Минимална глубина	Минимална глубина

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		fond imkejjel											
NOB	RT	tilalom	tilalomban	Aanleg	Zakaz	Proibic	amara	zakaz	prepoved	Edamuri	Tillägg	Илгарто	Запр
		tilalomban	prohibito	verboden	umow	nie	interzis	státia	pristand	kiinnitt	tilm	прещ	стана
						atracar				kielletty			ајања

## MEASURE CODE

Value	EN	BG	ES	CS	DA	DE	ET	EL	FR	HR	IT	LV	LT
DIS	discharge	Отток	Descarga	výtok	Udledning	Anflug	Lossimine	Εκφόρτιση	Débit	Protok	portata	Ūdens novads	Vandens išlaidimas
REG	regime	Режим	Régime	režim	Vandregim	Regim	Kord	Κατάσταση ροής υδάτων	Régim	Režim	regime	Darba režims	Režimas
BAR	barrage status	Състояние на бента	Estado presa	dostav vzdutí	Status for dæmning	Wehrst	Elisng asend	Κατάσταση οράγματος	Status des barrages	Status brane	stato sbarramenti	Aizsprosts	rosta varos kūlis
VER	vertical clearance	Свободно прохождение (габарит)	Libre paseo	podjezd výška	frigang	Durchgang	frühst	Ελεύθερο πρόσφυς	Libre maxim	Visina slobodn	tirante dalla	Pielaujums	laisvis kelio aukštis
LSD	least sounded depth	Минимальная глубина	Profundidad mínima	hloubka měření	Mindesttiefe	Mindesttiefe	Alodittim	Μικρότερο βάθος	Profondeur minimale	Minimálna hĺbina	fonon rilevata	Mācība zīlums	Mažiausias gylis
WAL	water level	Водный уровень	Nivel de agua	vodní stav	Vandstand	Wasserstand	Vandstand	Επίπεδο υδάτων	Niveau des eaux	Vodostaj	livello idrometrico	Ūdens līmenis	Vandens lygis
NOM	no measure	Няма мерене	Sin medida	žádné měření	Ingen måling	kein Messwert	Ei määrde	Καμία μέτρηση	Pas de measure	Nema mjerena	nessuna misurazione	neav mērījuma	Neišmatuota

## MEASURE CODE

Value	HU	MT	NL	PL	PT	RO	SK	SL	FI	SV	RU	SR
DIS	lefolyás	ħruġ ta' ilma	Afvoer	Spust	Descarga	debit	prietok	pretok	Virtaus	Utsläpp	Спуск воды	Протицај
REG	vízjárás	rata tal- fluss	Regime	Režim	Regime	regim	režim	režim	Vedenk	Ordnung	Гидрологический режим	Режим
BAR	duzzasztás	status állapot	Stuwstatus	stan zapory	Status da barragem	starea barajului	stav late	položaj zapor	Avattav padon tilanne	Vårdäm Göms	Гидрологический плотинный	Статус преграде
VER	szabad úrszelve magasság	fond hög	Doorvaar	Przebieg	altura livre	înălțime liberă de trecere	podjezd výška	prósta višina prehoda	Alikull	Kuhijä	Высота судоходного пролёта	Расположива ниот пролаза

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LSD	legkiseb- vismélyes fond imkejjel	Minst gepeild diepte	Głęboko- minimalna medida	Bőfund- minimal medida	didade minimal medida	mejnizš- namerai hĺbka	šnajman- merje globinas	Matalin hudo dattu vyys djup	Minsta lodade djup	Минимал- глубина	Намална измерена дубина
WAL	vízállás- tal- ilma	Waters- tall	Stuh wody	Nível da água	nivelul apei	vodný stav	vodostaj- merje	Yedenk- Vakten	Уровень воды	Ниво воде	
NOM	nincs mérés- adat	ebda kejl	Geen meting pomiar	Brak pomiaru	Sem medicál- ipsa	māsurā- hoda namerai hodnota	žaidna meritve meritve hodnota	ei mitattu mätning	Ingen mätning	Нет измере- ния	Нема мерења

POSITION CODE

Value	EN	BG	ES	CS	DA	DE	ET	EL	FR	HR	IT	LV	LT
AL	all	Навсякъ- (всички направления)	Todo (всички направления)	vše	Alt	ganz	Kõik	Όλόκλη- ρη πλωτή- οδός	Το le chenal	Svi- smjerova- naviga- bile	inter- o- naviga- bile	Laba redzami- naviga- bile	Visur tiba
LE	left	Ляво	Izquierda	levo	Venstre	links	Vasakpools	Αριστε- ρά	Gauche	Lijevo	sinistra	Pa- kreisi	Kairė
MI	middle	В средата	Centro	střed	Midten	Mitte	Keskne	Το μέσο	Milieu	Sredina	centro	Vidū	Vidurys
RI	right	Дясно	Derecha	pravý	Højre	rechts	Parempools	Δεξιά	Droite	Desno	destra	Pa- labi	Dešinė
LB	left bank	Ляв бряг	Margen izquierda	levý břeh	Venstre bred	links Ufer	Vasak- kallas	Αριστε- ρά όχθη	gauche	Lijeva	sponda sinistra	Kreisa- krasts	Kairysis krantas
RB	right bank	Десен бряг	Margen derecha	pravý břeh	Højre bred	rechts Ufer	Paremp- kallas	Δεξιά όχθη	Rive droite	Desna	sponda destra	Labais krasts	Dešinysis krantas
N	north	Северно	Norte	sever	Nord	Nord	põhi	Βόρεια	Nord	Sjeverno	nord	Uz ziemeļi	Šiaurė lietum
NE	north- east	Северо- источен	Nordeste	nordeste	Nord- øst	Nord- Ost	kirre	Βορειο- ανατο- λικά	Nord- est	Sjeverno- ist	nord- est	Uz ziemeļ- austrumi	Šiaurės rytų lietum
E	east	Источен	Este	východ	Ost	Ost	ida	Ανατο- λικά	Est	Istočno	est	Uz austrumi	Rytai
SE	south- east	Юго- источен	Sureste	jihovýchod	Süd- öst	Süd- Ost	kagu	Νοτιο- ανατο- λικά	Sud- est	Jugoisto- čno	süd- est	UZ dienvid- austrumi	Pietryčiai austrumi
S	south	Южно	Sur	jih	Syd	Süd	lõuna	Νότια	Sud	Južno	sud	Uz dienvidi	Pietūs
SW	south- west	Югоза- паден	Suroeste	jihozápad	Süd- west	Süd- West	edel	Νοτιο- δυτικά	Sud- ouest	Jugozapa- čno	sud- ouest	Uz dienvid- rietumi	Pietvakariai rietumi
W	west	Западен	Oeste	západ	Vest	West	lääs	Δυτικά	Ouest	Zapadno	vest	Uz rietumi	Vakarai

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NW	north-west	Северозападен	Donastev	Nordvest	Nord-West	loer	Βορειοδυτικός	Nord-ouest	Sjeverozapadny	zovpadny	ziemeļ	Šiaurės vakarai	
BI	big	Голям	Grande	velký	Stor	groß	suur	Μεγάλη	grand	Velik	grand	deli	Didelis
SM	small	Малък	Pequeño	malý	Lille	klein	väike	Μικρό	petit	Mali	piccolo	mažs	Mažas
OL	old	Стар	Antiguo	starý	Gammalt	vana	Παλαιά	ancien	Star	vecchi	vecis	Senas	
EW	new	Нов	Nuevo	nový	Ny	neu	uus	Νέο	nouveau	Nov	nuovo	jauns	Naujas
MP	movable part	Подвижна част	Parte móvil	pohyblivá část	Bewegliche del	Teil	osa	Κινητή τμήμα	partie amovible	Pokretna dio	parte mobilă	kustīga daļa	Slankioji dalis
FP	fixed part	Неподвижна част	Parte fija	pevná část	Fast del	fester Teil	fikseeritud osa	Προσφύζουσα τμήμα	partie fixe	Nepokretna dio	parte fissa	nekustīgā daļa	Stacionarioji dalis
VA	variable	Προμεταβλητή	Variable	proměnlivá	Växande	erlisch	Μεταβλητή	Κατάβλητο	Promjenljiva	variabilinė	Kintamas		
GY	green buoy	Зелен буй	Boya verde	zelená bóje	Grøn bølge	grüne Boje	roheline	Επικειμένη σημανίδα	bouée verte	Zelenaboa	plutača verde	žalą boja	Žalias plūduras
RY	red buoy	Червен буй	Boya roja	červená bóje	Rød bølge	rote Boje	punane	Κόκκινη σημανίδα	bouée rouge	Crvenaboa	plutača rossa	sarkaną boja	Raudonas plūduras

## POSITION CODE

Value	HU	MT	NL	PL	PT	RO	SK	SL	FI	SV	RU	SR
AL	mind/teljesen	kollha	Geheel	wszędzista	Todos	toată calea navigabilă / întregul obiect	všetky	vse	Kaikki	Hela	Все направления	Све
LE	bal	xellug	Links	po lewej	Esquerd	stânga	vľavo	levo	Vasen	Vänster	Слева	Лево
MI	közép	nofs	Midden	pośrodku	Centro	mijloc	v strede	sredina	Keskima	Mittan	В середине	Средина
RI	jobb	lemin	Rechts	po prawej	Direita	dreapta	avpravo	desno	Oikea	Höger	Справа	Десно
LB	bal part	xatt tax-xellug	Linker	de lewy brzeg	Margem esquerda	malul stâng	ľavý breh	levi breg	Vasen ranta	Vänstra banken	Левый берег	Лева обала
RB	jobb part	xatt tal-lemin	Rechter	de prawy brzeg	Margem direita	malul drept	pravý breh	desni breg	Oikea ranta	Högra banken	Правый берег	Десна обала
N	észak	it-Tramuntana	Noord	północ	Norte	nord	severne	severno	Pohjois	Nord	К северу	Север
NE	észak-kelet	il-Grigal	Noord-oost	północny wschód	Nordest	nord-est	severo-východne	severovýchodny	Kibolimo	Nordost	К северо-востоку	Североисток

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E	kelet	il-Lvant	Oost	wschód	Leste	est	východ	uzhodn	Itä	Öst	К востоку	Исток
SE	dél-kelet	ix-Xlokk	Zuidoost	południowy-wschód	Südost	sud-est	juho-východne	jugovzhodno	Kaukkosyööst	Sydöst	К юго-востоку	Југоисток
S	dél	in-Nofsinhar	Zuid	południe	Sul	sud	južne	južno	Etelä	Syd	К югу	Југ
SW	dél-nyugat	il-Lbiç	Zuidwest	południowy-zachód	Südwest	sud-vest	juho-západne	jugozahodno	Hoolmas	Sydväst	К юго-западу	Југозапад
W	nyugat	il-Punent	West	zachód	Oeste	vest	západne	zahodno	Länsi	Väst	К западу	Запад
NW	észak-nyugat	il-Majjistral	Noordwest	południowy-zachód	Noroest	nord-vest	severo-západne	severozahodno	Zahodan	Nordväst	К северо-западу	Северозапад
BI	nagy	kbir	Groot	duży	Grand	mare	veľký	velik	iso	Stor	большой	Большой
SM	kicsi	žghir	Klein	mały	Pequeno	mic	malý	majhen	pieni	Liten	малый	Мали
OL	régi	qadim	Oud	stary	Antigo	vechi	starý	star	vanha	Gammal	старый	Стари
EW	új	ğdid	Nieuw	nowy	Novo	nou	nový	nov	uusi	Ny	новый	Нови
MP	mozgatható rész	partí mobbli	Beweegbaar	glazac ruchomy	Parte móvel	parte amovível	pohyblivá časť	liikuv del	liikkuva osa	Rörlig del	подвижная часть	Подвижная часть
FP	rögzített rész	parti fissa	Vast deel	część stała	Parte fixa	parte fixa	pevná časť	fiksni del	kiinteä osa	Fast del	неподвижная часть	Неподвижная часть
VA	változó	varjabb	Variabel	zmienny	Variável	parte variabilă	premenlivá časť	spremenljiva del	spremenljiva osa	Variabel del	переменная	Переменная
GY	zöld úszó	baga hadra	Groene boei	zielona pława	Boia verde	geamă verde	zelená bója	zelena boja	vihreä poiju	Grön boj	зелёный буй	Зелёная бова
RY	piros úszó	baga hamra	Rode boei	czerwona pława	Boia vermelha	geamă roșie	červená bója	ardeva boja	punainen poiju	Röd boj	красный буй	Красная бова

## REASON CODE

Value	EN	BG	ES	CS	DA	DE	ET	EL	FR	HR	IT	LV	LT
EVENT	Event	Случай	Suceso	událost	Begivenhed	Vereniging	Sündmus	Üritus	Événement	Događaj	venia	Pasākums	Įvykis
WORK	Work	Работа (действия)	Obras	práce	Arbejde	Arbeiten	Töö	Töö	Travail	Radovi	lavori	Darbs	Darbai
DREDDING	Drainage	Дренаж	Dragado	hrobová práce	Grondwettelijke werkzaamheden	Baugrabenarbeiten	Silvendamine	Põhikõrvaldus	Drainage	Iskapadnja	gag	Biogardarbi	Sungilinė darbai
EXERCISE	Exercise	Упражнение	Ejercicio	činnost	Ovelse	Übung	Õppus	Alkoholiõppus	Exercice	Vježba	exercitazio	Viņņdarbi	Pratimai



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HIGW	High water	Високи води	Nivel de agua elevado	vysoký vodní stav	Højvandsstand	Hochwasser	Köszvényes víz	Χύμη στάθμη υδάτων	Crue	Visok vodostaj	piena	Augsts ūdens līmenis	Aukštas vandens
HIWA	Water level of caution navigation	Водное изискание при корабоплавании	Nivel de agua para prudente navegación	vodní stav zvýšený opatrností	Forsigtig sejladsstand	Marked II sejladsorden	Etteværelsestas veetas	Επίκουρο στάθμη ναυσιπλοΐας	Niveau d'eau opreznosti	Vodostaj opreznosti	livello prudente per la navigazione	Ūdens līmenis bīstamībai	Laivybai pavojingas vandens lygis
HIWA	Prohibit water level	Водопрещение корабов	Nivel de agua prohibición	vodní stav, při kterém je zakázána plavba	Forbudet mod II sejladsorden	Marked II sejladsorden	Laevataulakelatu veetas	Αποκλειστικό στάθμη υδάτων	Niveau d'eau d'interdiction	Vodostaj zabranjena	livello proibito	Ūdens līmenis aizliegta	Laivyba draudžiantis vandens lygis
LOW	Low water	Ниски води	Nivel de agua bajo	nížký vodní stav	Lavvandsstand	Niedrigwasser	Madses vesi	Χαμηλή στάθμη υδάτων	Étiage	Nizak vodostaj	livello magra	Zems ūdens līmenis	Žemas vandens lygis
SHAL	Shallow	Πολύตื้น	Sedimentación	shallow	Årlejr i Vær	Grav i Vær	Mundstykke	Εμπύκνωση	Attérissement	Piñima	accumulo di sabbia	Alizē	Smašos
CALA	Calamity	Бедствие	Accidente	desastre	Nødsituation	Ulykke	Önnetus	Καταστροφή	Accident	Havarija	calamità	Negadīgs	Avārija
LAUN	Launching	Запуск на вода	Lanzamiento	spuštění na vodu	Sætning	Stapel	Utskiftning	Κυβήκω	Mise à l'eau	Poriniuk	caro	Kuģa nolaišana ūdenī	Laivo paleidimas vandeni
DECL	Lower water level	Понижение на водном уровне	Nivel de agua en descenso	pokles vodní hladiny	Vandsænkelse	Sænkelse	Veetas vähenemine	Μειώση στάθμης υδάτων	Abaissement du niveau de l'eau	Vodostaj u opadanju	livello idrometrico	Ūdens līmenis pazeminājams	Vandens lygis mažinamas
FLOM	Flow measurement	Измерение оттока	Medición de caudal	měření průtoků	Flowmåling	Strömungsmeßung	Vogelmessung	Μέτρηση ποσότητας	Opération de mesure de débit	Mjerjenje protoka	portata dirometro	Straumētraucis	Eskmės matavimas
BLDW	Building work	Строительные работы	Obras de construcción	stavební práce	Anlægsarbejde	Byggearbejde	Byggeskikk	Κατασκευαστικά έργα	Travaux de construction	Gradienja	lavori di costruzione	Būvniecības darbi	Statybos darbai
REPA	Repair	Ремонт работ	Reparación	opravy	Reparatur	Reparatur	Reparatör	Τράκαυ	Travaux de réparation	Ropravní práce	interventi di riparazione	Remonts	Remontas

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[illegible]

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		на рейса)						προγράμματος του ταξιδιού)	αποστολή (d'itinéraire)				
STRIKE	Strike	Удар	Huel	gástavka	Strejke	Streik	Streik	Απεργία	Grève	Štrajk	scioper	Streiks	Streikas
FLOMMATERIAL	Floating material	Плавальный материал	Material	plouant	Elyden	fliegend	fliegend	πλωματικό που επιπλέει	Embarcadure	Putaj	material	Heldes	Plūduriuojantys
EXPLOSIVE	Explosive	Взрывчатое вещество	Operación	coque	výbušnin	Hydram	omben	Εκρηκτικό υλικό	Explosifs	Explosifs	explosifs	Explosifs	Spriegmenų
OBSTRUCTION	Obstruction	Водопрепятствие	Obstrucción	prekážka	Hindernis	Engsch	hindernis	Υπόβρυχιακή παρεμπόδιση	Prepre	Prepre	Prepre	Prepre	Prepre
FALLING MATERIAL	Falling material	Падающий материал	Material	phadaj	faldend	herab	falle	Παдающий материал	Padaju	Padaju	Padaju	Padaju	Padaju
DAMAGE	Damage	Вред	Marcas	poškození	Brak	die	High	Κατάσχεση	Örte	Örte	Örte	Örte	Örte
HEALTH RISK	Health risk	Опасность за здоровьем	Riesgo	zdravotního rizika	Sundheds	Gesundheits	risiko	Κίνδυνος για την υγεία	Opasnost	Opasnost	Opasnost	Opasnost	Opasnost
ICE	ice	Лед	Hielo	led	Is	Eis	Jää	Πάγος	glace	Led	ghiaccio	ledus	Ledas
OBSTACLE	Obstacle	Препятствие	Obstáculo	prekážka	Hindernis	Schiff	Tak	Εμπόδιο	Obstacle	Obstacle	Obstacle	Obstacle	Obstacle
CHG	Change	Изменения в сигналах	Cambio	změna	Ändre	Schiff	Mut	Αλλαγή	Signal	Signal	Signal	Signal	Signal
HIGH VOLTAGE	High voltage cable	Високовольтное напряжение	Línea	vedení	Højspænding	Hochspannung	juhtivus	Υψηλή τάσης	Visokovoltna	Visokovoltna	Visokovoltna	Visokovoltna	Visokovoltna
ECDIS	ECDIS	Обновление ECDIS	Actualización	aktualizace	Inland	Inland	Uuend	Εκδοχή ECDIS	Actualización	Actualización	Actualización	Actualización	Actualización

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LOCAL	Local rules of traffic	Местные правила движения	Normales locales de tráfico	místní dopravní předpisů	Lokalele lokale Verkehrsregeln	lokaligeliiklusjuhised	Kohalikult kohalike osavõtte osavõtte	Fodorreglement	Επικρατίας πολιτικής	Επικρατίας πολιτικής	Regole locali	Vietjietišatiksnoteikums	Vietinēsatiksnoteikums
NEW	New object	Нов объект	Nuevo objeto	nový objekt	Nyt objekt	neues Objekt	Uus ese	Néo αντικείμενο	Nouvel objet	Novi objekt	nuovo oggetto	Jauns objekts	Naujas objektas
MIS	Mis radar echos	Грешные радарные эхо	Falsos radares	falešná ozvěna	Falsk radarekko	Geisterkajassekkko	Radaresvale kajasisignaal	Εσφαλμένα σημεία	Εσφαλμένα σημεία	Pogrešni radar odziv	nepravilni radar odzivi	Maldiktē radaru signāls	Klaidīgi radaru signāli
VHF	VHF coverage	Радиопокрытие	Cobertura de radio	radiopokrytí	Radiolokalele	Frekvencykvalitativna	Radiolokalele	Κάλυψη VHF	Κάλυψη VHF	Radijskopovertis	Radiosempertis	Radiosempertis	Radijskopovertis
REM	Removal of object	Демонстрация объекта	Removal de un objeto	demonstrace objektu	Fjernelse af objekt	Bjergungsobjekt	Fjernelse af objekt	Αφαίρεση αντικείμενου	Αφαίρεση αντικείμενου	Αφαίρεση αντικείμενου	Αφαίρεση αντικείμενου	Αφαίρεση αντικείμενου	Αφαίρεση αντικείμενου
LEV	Rising water level	Растущий водный уровень	Nivel de agua en ascenso	stoupající vodní stav	Stigende vandstand	Steigender Wasserstand	Verhoogde waterstand	Ανέυρση επιπέδου υδάτων	Ανέυρση επιπέδου υδάτων	Ανέυρση επιπέδου υδάτων	Ανέυρση επιπέδου υδάτων	Ανέυρση επιπέδου υδάτων	Ανέυρση επιπέδου υδάτων
SPC	Special marks	Специальные сигналы	Señales especiales	zvláštní signály	Særlige besondere tegn	Ertrækkende tegn	Ertrækkende tegn	Ειδικά σημεία	Ειδικά σημεία	Ειδικά σημεία	Ειδικά σημεία	Ειδικά σημεία	Ειδικά σημεία
WER	Weather conditions	Метеорологические условия	Condiciones meteorológicas	podmínky počasí	Vejrforhold	Wetterbedingungen	Wetterbedingungen	Κlima συνθήκες	Κlima συνθήκες	Κlima συνθήκες	Κlima συνθήκες	Κlima συνθήκες	Κlima συνθήκες

## REASON CODE

Value	HU	MT	NL	PL	PT	RO	SK	SL	FI	SV	RU	SR
EVEN	Tendenz	ványeni	Evenement	Wydarzenie	Evento	eveniment	udalosť	predi	Tapahtuma	Evenemang	Мероприятие	Догађај
WORK	Munkálathoz	toeg	Werkzaamheden	Arbeitsbeschäftigung	Trabalho	hlocări	práce	delo	Työt	Arbete	Работы	Радови
DREDGE	Gräsi munkálatok	thamm	Bagger	Pogłębianie	Dragagem	hlocări de dragaj	bagrov	puiglabridna	Ramp	Muddring	меленч работы	Брагирование
EXERCISE	Gyakorlatok	toekijzen	Oefeningen	Ćwiczenia	Exercícios	exerciții	vičenia	vaje	Harjoitukset	Övningar	Испытания	Важбе
HIGHWATER	Tagas vízállás	livell	Hoogwater	Wysoki stan wody	Nível de cheia	ape mari	vysoký vodný stav	visok vodostaj	Korkea vesi	Högvatten	Высокая вода	Велика вода
HIWATER	Ikimélethajózási vízszint	livell	Waters	Stan wody	Nível da água	nivelul apei de avertizare	vodný stav pre avarizaciu	vodostaj ki zahtevna plovba	tajaro vai liikkumaa edellyttäen	Storsiktigt navigationsväder	Уровень воды для судоходства	Водостай при којем је потреба

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		navigazzjoni			a navegacão	pentru navigație						опрезна пловидба
HIWA	lalmi vizszint	livell tal-ilma projbittiv	Waters met vaarver	Stan wody	Nivel da água	nivelul apei	vodný stav pri ktorom plovs	vodostaj ki ne dovoljuje plovs	ajellon aihettav. a. yedenkonten	Förbud att gå ut i sjö	Уровень запрещенного	Водостай парий дожен се забрањује пловидба
LOW	Wasserspiegel	livell baxx tal-ilma	Laagwater	Niski stan wody	Nível de estiagem	ape mici	nízky vodný stav	nizek vodostaj	Matala jesi	Lågvattnet	Низкая вода	Мала вода
SHAL	Igázló	szűrés	Merond	Mépign	Assore	ântunor	aplavenski	nylin	Lietty	Shen-avsättning	Обмеление	Глушак
CALA	Művariabaleset	disztrubució	Calamity	Wypadek	Kemény	calamitate	havári	esreča	Onnetta	Ölycka	Авария	Хаварија
LAUN	Chrebo	szárítás	Tewater	Wyciekanie	Vanec	lanca	respuštanje	avite	Vesile	Sjöskatt	Гонимая вода	Поринуће
DECL	Vízszintcsökkenés	livell tal-ile qed jtbaxxa	Waterstand	Spadek poziomu wody	Desagüa	nivelul apei în scădere	klesajúca vodná hladina	cažanje vodostaja	Vedenkäsky	Sjöökning	Понижение уровня воды	Водостай опадању
FLOM	Áramlásmérés	kejl tal-fluss	Stroom	Prąd	Prăd	de măsurare a debitului	operațiune de măsurare	emerjenje	Virtausten	Flödesmätning	измерение скорости течения	Мерење протоцаја
BLDW	Bérmunkál	xoghol tal-òk bini	Bouw	Roboty budowlane	Obiecte de construcție	lucrări de construcții	stavebné práce	gradbena dela	Rakennustyö	Byggnadsarbete	Споиство	Работы
REPA	Árvítmunkálatok	iswija	Herstellung	Reparatur	Reparații	lucrări de reparații	opravy	popravit	Korjaustyö	Repararbete	Поправка работы	Поправка
INSPE	Gzemle	spezzjoni	Inspektion	Inspektion	Inspektion	inspecție	inspekcia	inspekci	Tarkastus	Inspektion	Инспекция	Инспекция
FIRW	Röj	játékhob	Vuurwerktuig	Stożecznic	Fogo de artifício	focuri de artificii	ohňostro	roj	Höj	Utskrif	Взрывчатые работы	Взрывчатые работы
LIMIT	Korlátozás	restrizzjoni	Restriktion	Restricție	Restricção	restricții	obmedzení	zajímav	Rajoitus	Restriktion	Ограничение	Ограничение

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CHGF	Wājútvaldiás	hidtál-kanali navigabla	Verandevan de blarweg	Żmignytoru wodnegobla	Alteraçõnoganal navegavel	şesimbenal navigabil	žrneny v plavební dráhe	sprememna plovní poti	mbetokaväylällä	Ändringar farleden	გამენეფარვატო	Промене провнот пута
CONST	Hajóútvezetők	tal-kanal navigabla	Derperkanal van de blarweg	Żegztoru wodnegobla	Tratament da gda navegavel	Înţerţimentul navigabil	zvození vodnej cesty	zvoženje plovné poti	vesiväyventur	Sinälärveer	Суженіе фарватера	Сужење провнот пута
DIVIN	Gízalatt munkák	thughadhtal-ilma	Duskwed pod wodą	Nizak pod wodą	Przeniesienie de mergulap	scăfand în apă	podpád pod vodu	čdelo pod vodo	sukelta vedellä	Dykare i vattnet	Водолазы работы	Нисводни работи
SPECT	Rülönle szállítás	trasport special	Bijzondere vervoers	Transport special	Transport special	Transport special	špeciálna preprava	posebni prevoz	erikoisluov	Specialtransport	Специален превоз	Специјални транспорт
EXT	nagymén vízeresztés	tal-ilma	Uitgebreidte beschut	Intensywność	Regim de descărcare maxim	Regim de descărcare maxim	rozšírenie dotovania	ekstenzijski dotovanje	laajamittainen latusdrift	Öamfartande	Значителен спуск воды	Значително истицање
MIN	minimális vízeresztés	tal-ilma	Minimale beschut	Minimalna	Regim de descărcare minim	Regim de descărcare minim	minimálna dotovanie	minimálna dotovanie	minimaalinen latus	Minimilift	Минимален спуск воды	Минимално истицање
SOUND	mélyeségek munkatál-fond	sondaj	Reilmengte	Rozmiar sondy	Sondagłębokości	Sondagłębokości	sondovpráce	sondovpráce	kuotauksen globeine	työnninngarbe	грозомер работы	Морска дубина
OTHER	Egyéb	ohrajn	Overige	Inne	Outros	altele	Iné	drugo	muutokvayllä	Ännat	другое	Остало
INFSE	Rájközlemény és útterv készítéséhez nem szükséges)	statiz információ	Informations	Szolgáltatások	Serviciu	Serviciu	Információs szolgálat (netyka)	Informační služba (netyka)	Informaation palvelus (ei ole olennainen turvalliselle kannalta)	Informaation palvelus (ei ole olennainen turvalliselle kannalta)	Информационна служба (не е значајна за безбедност и нет потребност во неј)	Информационна служба (не е значајна за безбедност и нет потребност во неј)
STRIKE	Eztrájk	stajk	Staking	Sztrajk	Greve	grevă	štrajk	stavka	Lakko	Strejk	Забастовка	Страйк
FLOMA	Állóanyag	materijal	Drijven	Materiaal	Materiaal	Materiaal	plávajutóanyag	plavajutóanyag	Kelluväline	Flytande	Плавучи материјал	Плавучи материјал

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EXPLO	OSbbarónépragyonwijdOperacjaperaçãosploziameškodidstramkajajmiekRieningРазминираниОперацияразминирања	l- ilma	eltávolítás tnehijja ta' splussivi	Yonvan explosi vateriados wybuchowych	OperacjaperaçãosploziameškodidstramkajajmiekRieningРазминираниОперацияразминирања	OperacjaperaçãosploziameškodidstramkajajmiekRieningРазминираниОперацияразминирања	OperacjaperaçãosploziameškodidstramkajajmiekRieningРазминираниОперацияразминирања	OperacjaperaçãosploziameškodidstramkajajmiekRieningРазминираниОперацияразминирања	OperacjaperaçãosploziameškodidstramkajajmiekRieningРазминираниОперацияразминирања	OperacjaperaçãosploziameškodidstramkajajmiekRieningРазминираниОперацияразминирања	OperacjaperaçãosploziameškodidstramkajajmiekRieningРазминираниОперацияразминирања	OperacjaperaçãosploziameškodidstramkajajmiekRieningРазминираниОперацияразминирања
OBUN	WA alatti akadály- ilma	ostaklu taht ilma	Belem onder water	Perzingk podwodny subakw	Obstru subaqu	Obstru subaqu	Obstru subaqu	Obstru subaqu	Obstru subaqu	Obstru subaqu	Obstru subaqu	Obstru subaqu
FALM	Adhulló anyagok jaqa'	material jaqa'	Material jaqa'	Material jaqa'	Material jaqa'	Material jaqa'	Material jaqa'	Material jaqa'	Material jaqa'	Material jaqa'	Material jaqa'	Material jaqa'
DAMM	Arkt jelzés	sinjali bil- hsara	Beschalt marker symbols	Uzgod znak sygnali	Uzgod znak sygnali	Uzgod znak sygnali	Uzgod znak sygnali	Uzgod znak sygnali	Uzgod znak sygnali	Uzgod znak sygnali	Uzgod znak sygnali	Uzgod znak sygnali
HEAR	Isészs kockáz sahha	Isészs kockáz sahha	Isészs kockáz sahha	Isészs kockáz sahha	Isészs kockáz sahha	Isészs kockáz sahha	Isészs kockáz sahha	Isészs kockáz sahha	Isészs kockáz sahha	Isészs kockáz sahha	Isészs kockáz sahha	Isészs kockáz sahha
ICE	jég	silg	IJs	Lód	Gelo	gheață	ľad	led	Jää	Is	лед	Лед
OBSTA	akadály	ostaklu	Obstakel	Przeszk obstak	Obstakel	Obstakel	Obstakel	Obstakel	Obstakel	Obstakel	Obstakel	Obstakel
CHGM	Foralm jelek fís- változt sajali	Gewijz marker sajali	Zmiana znak sinaliza	Zmiana znak sinaliza	Zmiana znak sinaliza	Zmiana znak sinaliza	Zmiana znak sinaliza	Zmiana znak sinaliza	Zmiana znak sinaliza	Zmiana znak sinaliza	Zmiana znak sinaliza	Zmiana znak sinaliza
HIGV	Olgy feszült átfeszít és holi	Hoogs daiming Elinabel linie de înaltă tensiune	Hoogs daiming Elinabel linie de înaltă tensiune	Hoogs daiming Elinabel linie de înaltă tensiune	Hoogs daiming Elinabel linie de înaltă tensiune	Hoogs daiming Elinabel linie de înaltă tensiune	Hoogs daiming Elinabel linie de înaltă tensiune	Hoogs daiming Elinabel linie de înaltă tensiune	Hoogs daiming Elinabel linie de înaltă tensiune	Hoogs daiming Elinabel linie de înaltă tensiune	Hoogs daiming Elinabel linie de înaltă tensiune	Hoogs daiming Elinabel linie de înaltă tensiune
ECDIS	Inland ECDIS frissítés	agglomer ECDIS Intern	Inland ECDIS update	Agglomer ECDIS update	Agglomer ECDIS update	Agglomer ECDIS update	Agglomer ECDIS update	Agglomer ECDIS update	Agglomer ECDIS update	Agglomer ECDIS update	Agglomer ECDIS update	Agglomer ECDIS update
LOCRI	Uelyi közleke rend (R)	regoli közleke rend (R)	Lokale verkeer statkó	Miejsc przepr statkó	Regulas przepr statkó	Regulas przepr statkó	Regulas przepr statkó	Regulas przepr statkó	Regulas przepr statkó	Regulas przepr statkó	Regulas przepr statkó	Regulas przepr statkó
NEWOB	Új objektu	oggett oggett	Nieuw object	Nowy obiekt	Novo objeto	obiect nou	nový objekt	nov objekt	Uusi kohde	Nytt föremå	Новый объект	Нови объект
MISECH	Hamis radarvis szhang	eki szhang	Valse radar	Falszy radar	Falsos radar	falošná radar	falošná radar	falošná radar	Virheel radar	Halaka radar	Ложная радар	Лажни радарски

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

[illegible]

## REFERENCE CODE

[illegible]



**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

POT	Potsdam Datum	Координатна система Потсдам	Potsdam Datum	Potsdam Datum	Potsdam Datum	Potsdam Datum	Potsdam Datum	Potsdam Datum	Potsdam Datum	Potsdam Datum	Potsdam Datum	Potsdam Datum	Potsdam Datum
LDC	low water level Danube Commission	Нисководно ниво Дунав комисије	Comis del Danubio nivel bajo de agua	nízký plavební stav podle Dunajské komise	Lavandstagen definier af Donau-kommissionen	RNW Madala veetasen komisi	Μαλαή θάλασσα Δούναβης	Χαμηλό ύδατος	Κοινό ύδατος	Niski plovodostaj	Niski plovodostaj	Zemāksrējais ūdens līmenis komisija	Žemas vandens lygis, Dunojaus komisija
HDC	high water level Danube Commission	Висоководно ниво Дунав комисије	Comis del Danubio nivel alto de agua	nízký plavební stav podle Dunajské komise	Lavandstagen definier af Donau-kommissionen	RNW Madala veetasen komisi	Μαλαή θάλασσα Δούναβης	Χαμηλό ύδατος	Κοινό ύδατος	Niski plovodostaj	Niski plovodostaj	Zemāksrējais ūdens līmenis komisija	Žemas vandens lygis, Dunojaus komisija
ZPG	zero point of gauge	Нула на переларе ниво	Punto de referencia de nivel	nulový bod nulu	Profilní nulový bod	Regeln nullpunkt	Μήτρον μηδένος	Μήτρον μηδένος	Μήτρον μηδένος	Nulta točka odometre	zero idrometrne	Ūdens līmenis nulles punkts	Nulinis vandens lygio rodmuo
GLW	equivalent low water level	Еквивалентно ниво	Ekvivalentní vodní stav	nízký vodní stav	Lavandstagen definier af Donau-kommissionen	RNW Madala veetasen komisi	Μαλαή θάλασσα Δούναβης	Χαμηλό ύδατος	Κοινό ύδατος	Niski plovodostaj	Niski plovodostaj	Zemāksrējais ūdens līmenis komisija	Žemas vandens lygis, Dunojaus komisija
HSW	highest navigable water level	Най-високо корабно ниво	Nivel máximo navegable	nejvyšší plavební stav	Lavandstagen definier af Donau-kommissionen	RNW Madala veetasen komisi	Μαλαή θάλασσα Δούναβης	Χαμηλό ύδατος	Κοινό ύδατος	Niski plovodostaj	Niski plovodostaj	Zemāksrējais ūdens līmenis komisija	Žemas vandens lygis, Dunojaus komisija
LNW	Low Navigable Water	Ниско корабно ниво	Nivel mínimo navegable	nízký plavební stav (národní)	Lavandstagen definier af Donau-kommissionen	RNW Madala veetasen komisi	Μαλαή θάλασσα Δούναβης	Χαμηλό ύδατος	Κοινό ύδατος	Niski plovodostaj	Niski plovodostaj	Zemāksrējais ūdens līmenis komisija	Žemas vandens lygis, Dunojaus komisija
HNW	High Navigable Water	Високо корабно ниво	Nivel máximo navegable	nejvyšší plavební stav (národní)	Lavandstagen definier af Donau-kommissionen	RNW Madala veetasen komisi	Μαλαή θάλασσα Δούναβης	Χαμηλό ύδατος	Κοινό ύδατος	Niski plovodostaj	Niski plovodostaj	Zemāksrējais ūdens līmenis komisija	Žemas vandens lygis, Dunojaus komisija
IGN	IGN 69	IGN 69	IGN 69	IGN 69	IGN 69	IGN 69	IGN 69	IGN 69	IGN 69	IGN 69	IGN 69	IGN 69	IGN 69
WGS	WGS 84	WGS 84	WGS 84	WGS 84	WGS 84	WGS 84	WGS 84	WGS 84	WGS 84	WGS 84	WGS 84	WGS 84	WGS 84
RN	normal level	Нормално ниво	Nivel normal	normalní stav	Lavandstagen definier af Donau-kommissionen	RNW Madala veetasen komisi	Μαλαή θάλασσα Δούναβης	Χαμηλό ύδατος	Κοινό ύδατος	Niski plovodostaj	Niski plovodostaj	Zemāksrējais ūdens līmenis komisija	Žemas vandens lygis, Dunojaus komisija

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

HBO	high water level of attention	Високотен водни предмети	Atención por alto nivel de agua	pozor na vysoký stav vody	Høj vandstand kræver forsigtighed	Hochwasser, besonders Vorsicht	várakozások, elővigyázatosságot igényel	πρόσοχή	ήψη	Visok vodostaj — stanje pripravljenosti sorvegliare	livello — piena sorvegliare	levērojs — augsts ūdens līmenis	Barvājais ūdens
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## REFERENCE CODE

Value	HU	MT	NL	PL	PT	RO	SK	SL	FI	SV	RU	SR
NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP	NAP
KP	csatorna vízszint	livello tal-kanal	Kanaal	kanal	Cota local	nivelul de referință local	prevádzková úroveň v hladine v kanáli	zrakostaj		kp	Судово-морський рівень каналів великої води	морско-судово
FZP	FZP	FZP	FZP	FZP	FZP	FZP	FZP	FZP	FZP	FZP	FZP	FZP
ADR	az Adriai tenger szintje felett	Adria	Adriap	Adria	Adriático	Marea Adriatică	výškový systém ADRIA	živio Jadranskega morja	Adria	Adria	Адриатическая система	Ниска морска
TAW	TAW/DNG	TAW/DNG	TAW/DNG	TAW/DNG	TAW/DNG	TAW/DNG	TAW/DNG	TAW/DNG	TAW/DNG	TAW/DNG	TAW/DNG	TAW/DNG
PUL	Pulkovo 1942	Pulkovo 1942	Pulkovo 1942	Pulkovo 1942	Pulkovo 1942	Pulkovo 1942	Pulkovo 1942	Pulkovo 1942	Pulkovo 1942	Pulkovo 1942	Пулково 1942	Пулково 1942
NGM	Ngm	Ngm	Ngm	Ngm	Ngm	Ngm	Ngm	Ngm	Ngm	Ngm	Нгм	Ngm
ETRS	ETRS89	ETRS89	ETRS89	ETRS89	ETRS89	ETRS89	ETRS89	ETRS89	ETRS89	ETRS89	ETRS89	ETRS89
POT	potsdamer datum	Potsdamer Datum	Potsdamer Datum	Potsdamer Datum	Potsdamer Datum	Potsdamer Datum	Potsdamer Datum	Potsdamer Datum	Potsdamer Datum	Potsdamer Datum	Копенгагенская система датум Потсдам	Potsdamer datum
LDC	Dunabíróhajózási kisvízszint (LKHVI)	livello basso navigazionale (LKHVI)	Laagwaterstand Donau (LKHVI)	aktualni stan nivoja Donau (LKHVI)	Nível da água, Comissão Europeia Danúbio	nivelul apei minim Comisia Europeană Danubio	hladinanie nízkého vodostaja regulácie plavebního vodu podľa DK	anizek vodostaja Donavskega komisijavedenkorkeus	Tonava hajózási kisvízszint (LKHVI)	högvattnets nivå (LKHVI)	Копенгагенская система датум Потсдам	Ниски ниво ловидбени према Дунавској комисији
HDC	Dunabíróhajózási nagyvízszint (LNHVI)	livello alto navigazionale (LNHVI)	Hoogwaterstand Donau (LNHVI)	aktualni stan nivoja Donau (LNHVI)	Nível da água, Comissão Europeia Danúbio	nivelul apei max Comisia Europeană Danubio	hladinanie vysokého vodostaja regulácie plavebního vodu podľa DK	aviso de vodostaja Donavskega komisijavedenkorkeus	Tonava hajózási nagyvízszint (LNHVI)	högvattnets nivå (LNHVI)	Копенгагенская система датум Потсдам	Високи ниво ловидбени према Дунавској комисији

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

		tad-Danubju										
ZPG	vízmérő nulla pontja	count zero tal-kejl	Referentie van de peilschaal	point zero wodoewskazu	Ponto zero fluviométrico	zero miră	nulový bod mernej stanice	ničelná točka vodomeru	avedenka nollakoholpunkt	Vektorsmüden	studsinn	00 arens
GLW	egyenes kisvízszint	Heel x tal- ilma ewkivalenti	Gelijk laagwaterstand wody	waardigheisstand woda	Nível baixo equivalente da água	nivelul apei echivalent	ekvivalenčná vodná hladina	ekvivalenčná vodostaj	Ekvivalenstaavlag vattenkorkeus	Ekvivalentti	Ekvivalentti	Ekvivalentti
HSW	legnagyobb hajózási vízszint (HNV)	lebb foghla tivel ilma navigabbli	Hoogste scheepvaartwaterstand wody douszczajacy żegluge	najwyższy stan wody dopuszczający żeglugę	Nível mais elevado para navegação	celul apei pentru navigație	najvyššia plavebná hladina pri katerem je mogoča plovba	najvyššia plavebná hladina pri katerem je mogoča plovba	isuurin Högsta sjöfartskur	Haivysyys	Haivysyys	Haivysyys
LNW	hajózási kisvízszint (HKV)	ilma navigabbli (HKV)	Laagste scheepvaartwaterstand wody douszczajacy żegluge	niski stan wody dopuszczający żeglugę	Nível mais baixo para navegação	nivelul apei pentru navigație	nízka plavebná hladina pri katerem je mogoča plovba	nizek plavebná hladina pri katerem je mogoča plovba	Matala Lågt vatten	Минималный уровень	Минималный уровень	Минималный уровень
HNW	hajózási nagyvízszint (HNV)	ilma navigabbli (HNV)	Hoogste waterstand wody douszczajacy żegluge	wysoki stan wody dopuszczający żeglugę	Nível mais elevado para navegação	nivelul apei pentru navigație	vysoká plavebná hladina pri katerem je mogoča plovba	avisok plavebná hladina pri katerem je mogoča plovba	Korkea Högt vatten	максимальный уровень	максимальный уровень	максимальный уровень
IGN	IGN 69	IGN 69	IGN 69	IGN 69	IGN 69	IGN 69	IGN 69	IGN 69	IGN 69	IGN 69	IGN 69	IGN 69
WGS	WGS 84	WGS 84	WGS 84	WGS 84	WGS 84	SGM 84	WGS 84	WGS 84	WGS 84	WGS 84	WGS 84	WGS 84
RN	szokás szint	disvell normal	Normaal peil	poziom normal	Nível normal	nivelul apei normal	normálna úroveň	normálna vodostaj	normaal nivo	Normalnivå	Нормальный уровень	Нормальный уровень
HBO	LNHV t meghalt vízállási jehtiegn	livell gholi tal- ilma jehtiegn	Hoogwaterstand wody	altepely vízszint	Nível alto da água que obriga	cota de atenție	vysoká hladina stav bdelosti	opozoriti stav bdelosti	isuri vedenkookeus	Högvattnet	вазводнения	вазводнения

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

					navegação atenta								
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## REGIME CODE

Value	EN	BG	ES	CS	DA	DE	ET	EL	FR	HR	IT	LV	LT
NO	normal	Нормално водно ниво	Normal	normální vodní stav	Normal vandstand	Regime Normal Wasserstand	Tavaline	Κοινό ύψος	Hauteur d'eau normale	Režim normalni vodostaj	normalni	Normal ūdens līmenis	Normalus vandens lygis
HI	high	Високи води	Alto	vysoký vodní stav	Højvandsstand	Hochwasser	Kõrgvee	Υψηλό	Plus Hautes Eaux Navigables	Režim visoki vodostaj	livello idrometrico elevato	Augsts ūdens līmenis	Aukštas vandens lygis
II	prohibited water level	Водоуздержание кораблей	Nivel de agua prohibido	vodní stav, při kterém je zakázána plavba	Vandstand, hvor sejlads forbyses	Sperrung wegen Hochwasser	Keelatatud veetaseme	Απαγορευμένο ύψος	Niveau d'eau interdiction	Vodostaj zabranjen	livello idrometrico proibito	Ūdens līmenis, kurā aizliegta kuģošana	Laivyba draudžiantis vandens lygis
I	water level of caution navigation	Водного изискания при плавании	Nivel de agua prudente	vodní stav, zvýšený pro zvýšené opatrnosti	Vandstand, hvor I. sejlads forbydes særlig opmærksomhed	Markierung I. Seilwegen	Ettevõtte laevatatud veetaseme	Πρόσθετο ύψος πλοίων	Niveau d'eau supplémentaire	Vodostaj opreznosti	livello idrometrico prudente per la navigazione	Ūdens līmenis, kurā jābūt īpaši uzmanīgiem	Laivybai pavojingas vandens lygis
NN	normal water level for navigation	Нормальный водно-плавационный уровень	Nivel de agua normal para navegación	normální vodní stav pro plavbu	Normal vandstand for skibsfart	Normaler Seilweg	Laevatatud normaalveetaseme	Κοινό ύψος πλοίων	Niveau d'eau normale pour la navigation	Vodostaj normalni ploviti	livello idrometrico normale per la navigazione	Normal ūdens līmenis kuģošana	Normalus vandens lygis
LO	low water	Ниски води	Nivel de agua bajo	nízký vodní stav	Lavvandsstand	Niedriges Wasser	Maske veesi	Χαμηλό ύδωρ	Étiage	Nizak vodostaj	livello magro	Zems ūdens līmenis	Žemas vandens lygis

## REGIME CODE

Value	HU	MT	NL	PL	PT	RO	SK	SL	FI	SV	RU	SR
NO	normál vizállás	normal	Normaal	normal	Nível da água normal	nivelul normal	normálny vodný stav	normal	Normal	Normal	Нормальный уровень водостая	Нормални водостая
HI	magas vizállás	gholi	Hoogwaterstand	wysoki	Nível da	nivelul maxim	vysoký vodný stav	visok	Suuri	Hög	Высокая вода (паводок)	Велика вода

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

					água alto								
II	tilalmi vízszint	livell tal- ilma projbittiv	Waterst met vaarver bittiv	stad wody doimoz żegluga	Nível da água imposs a navegação	nivelul apei de precau pentru navigație	vodný stav, priori ktorom zakázaná plavba	vodostaj ki ne dovoljuje plovo	ajjellon aiheutta jedenkonta	Förbud a. kontak	уровен воды, при преодоле судоход	Водостай при преодоле ство обуставља пловидба	
I	kímélet hajózást vízszint	livell tal- ilma li jehtieg navigazzjoni b'attenzjoni	Waterst met beperkt scheep vazzjoni	stad wody wymaga żegluga biog a navegação prudente	Nível da água que obriga a navegação prudente	nivelul apei de precau pentru navigație	vodný stav pre opatrnú plavbu	vodostaj ki zahtevá opatrnú plovo	ajaroval liikkumata edellyttäen nedenkonta	Förbud a. kontak	уровен воды, који опасна опрезу судоход	Водостай који хтева опрезу судоход	
NN	normaal hajózást vízszint	livell normal- ilma ghan- navigazzjoni	Normaal waterpe voor scheep vazzjoni	normal slan wody chart żegluga para a navegação	Nível da água normal para a navegação	nivelul apei normal pentru navigație	normál vodný stav pre plavbu	normaal vodostaj plovo	normaal jedenkonta alusliik sjöfart	Normal kontak	Нормал уровен судоход	Нормал водостай за пловидбу судоходства	
LO	alacsony vízszint	livell baxx tal- ilma	Laagwa st	at stan wody	Nível de estigam	ape mici	nízky vodný stav	nizek vodostaj	Matala jesi	Lågvatten i	Низкая вода	Мала вода	

REPORTING CODE

Value	EN	BG	ES	CS	DA	DE	ET	EL	FR	HR	IT	LV	LT
INF	informa	информ	informa	informa	informa	informa	informa	informa	informa	informa	informa	informa	informa
ADD	addition duty to report	допъл извест	Obligación adicional de notificación	Obligación de notificación	Obligación de notificación	Obligación de notificación	Obligación de notificación	Obligación de notificación	Obligación de notificación	Obligación de notificación	Obligación de notificación	Obligación de notificación	Obligación de notificación
REG	regular duty to report	Обича режим за извест	Obligación normal de notificación	Obligación normal de notificación	Obligación normal de notificación	Obligación normal de notificación	Obligación normal de notificación	Obligación normal de notificación	Obligación normal de notificación	Obligación normal de notificación	Obligación normal de notificación	Obligación normal de notificación	Obligación normal de notificación

REPORTING CODE

Value	HU	MT	NL	PL	PT	RO	SK	SL	FI	SV	RU	SR
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**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

INF	információ	információ	információ	Punkt informacyjny	Információ	információ	információ	információ	Információ	Информация	Информация
ADD	kiegészítő bejelentési kötelezettség	előirányzott kötelezettség	Extra-meldat	Obowiązek meldowania	Obowiązek regionalnego komunikowania	obligáció a hlásení	adatszolgáltatási kötelezettség	Adatszolgáltatási kötelezettség	Ylimääräinen raportointi	Дополнительные обязательства	Дополнительные обязательства
REG	bejelentési kötelezettség	előirányzott kötelezettség	Normál-meldat	Obowiązek meldowania	Obowiązek regionalnego komunikowania	obligáció a hlásení	normál kötelezettség	Normál kötelezettség	Säännönmukainen raportointi	Обязательные извещения	Обязательные извещения

SUBJECT CODE

Value	EN	BG	ES	CS	DA	DE	ET	EL	FR	HR	IT	LV	LT
OBSTRUCTION	Blockage	Препятствие	Obstrucción	zavěra	Bloker	Sperre	Blokeer	Üpimp	Restricción	Prepreklaterru	Blokēt	Blokēt	Blokavimas
PAROBSTRUCTION	Partial obstruction	Частичное препятствие	Olostrucción parcial	zavěra	Bloker	Sperre	takistus	Μερικὸ ἀπορροπῶν	Restricción parcial	Diploprepreklaterru	Dačēji	Dalēji	Dalinis
DELAY	Delay	Задержка	Retraso	opozdě	Fórsin	Keszo	Hilming	Kine	Déphas	Kašnjenjardo	Aizkav	Dēlsas	
VESSEL LENGTH	Vessel Length	Дължина на кораба	Esloraplavida	délka plavidla	Fartøjslængde	Schiffslänge	Länge pikkus	Μήκος σκάφους	Longueur du bateau	Duržina broda	lunghezza del natante	Kuaga garums	Laivo ilgis
VESSEL DRAUGHT	Vessel draught	Височина на кораба	Altura de la obra muerta	výška plavidla nad hladinou	Fartøjshøjde over landlinjen	Schiffshöhe	Shöhe körgusüvée	Μέγιστος ὕψους πλοῦτος της ισάλογ γραμμής	Tirant d'air du bateau	Visina najviše fiksne točke broda iznad vode	altezza del natante dal pelo dell'acqua	Kuaga virsūdens	Laivo ankštis virš vandens
VESSEL BREADTH	Vessel breadth	Ширинна на кораба	Mangaširka	širka plavidla	Fartøjslæredde	Schiffslaius	Šlaivė laius	Μέγιστος πλάτος σκάφους	Targenoglubateau	Širina broda	larghezza del natante	Kuaga platum	Laivo plotis
VESSEL DRAUGHT	Vessel draught	Газенна на кораба	Caladon	ponor plavidla	Fartøjledbygang	Schiffsliefgang	Liefgang süvis	Μέγιστος σκάφους	Tirant d'eau du bateau	Gaz broda	pescage del natante	Kuaga iegrims	Laivo grimzlē
AVAILABLE LENGTH	Available length	Должина	Esloradisponible	povolendélka	Disponibellængde	verfügbarLänge	Karsutavõtte	Μέγιστος μήκος	Longueur maximale	Raspollung	lunghezza massima	Pielaujarums	Laivo ilgis
CLEARANCE HEIGHT	Clearance height	Височина	Caladon vertical	podjezdná výška	Fragangshøjden	Durchgangshöhe	Kõrgusüvée	Μέγιστος διέλευσης	Tirant d'air maximum	Visina plovnog motora	tirante d'aria	Pielaujarums	Laivo ankštis
CLEARANCE WIDTH	Clearance width	Височина	Caladon horizontal	průjezdová šířka	Fragangsbredde	erfügbareBreite	Karsutavõtte	Μέγιστος διέλευσης	Targenoglubateau	Širina plovnog otvora della	larghezza massima del natante	Pielaujarums	Laivo plotis

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											via navigabile		
AVAD	Available depth	Допустимая глубина	Profondità disponibile	Waadddiepte	Waadddiepte	Tiefe	Kasutav sügavus	Αυτότο μέγιστο	Tirant d'eau maximum	Raspoložebna dubina	požvagi masinski	Esamas dziugylis	
NOMOR	Mooring	Забраняване на якорване	Prohibición de amarre	zakaz přistávání	Fortoijning	fistmas	Shiduv keelatud	Απαγορεύεται ο άγκυροβολός	Zabranjeno ancliranje	Zabranjeno ancliranje	Pietaurdizliegšana	Došandžiama tvartuo	
SERVIC	Limitation of service	Ограничение обслуживания	Servicio limitado	provoz omezen	Begrænsning	Betjening	Piiratud teenindus	Επιδιορισμένη λειτουργία	Exploitation limitée	Pacijenica usluga	limitatizieršana	Pakalpojumas	
NOSE	No service	Няма обслуживане	Interrupción de servicio	prerušivanje	Interrupción	Betjening	Esperitteenindus	Καμία λειτουργία	Manoeuvre interrompue	Nema usluge	nesunpakalpojums	Neapsarnaujama	
SPEED	Speed	Допустимая скорость	Limitación de velocidad	limite nejvyšší rychlost	Hastighed	Højst tilladt	Hoogst toegelaten	Τιμή	Limite de Vitesse	Ograničenje brzine	veřejně ita	Ātruma ierobežojums	Ribojamas greitis
WAVES	Wash of waves	Забраняване на създаване на вълни	No crear oleaje	zakaz vytváření vlnobití	Undgå vlnobití	Sog und Wellen	Ei tekita sohlagen	Απαγορεύεται η πρόκληση κύματων	Zabranjeno stvaranje valova	Zabranjeno stvaranje valova	neradīti viļņi	Nekelti bangų	
PASSING	No passing	Забраняване на преминаване	Prohibición de paso	zakaz potkávání	Passage ikke tilladt	Begegnung	hügisviit keelatud	Απαγορεύεται ο έλεγχος	Zabranjeno prolaz	Zabranjeno prolaz	aižliegšana	Pakaukti šķersot draudžiama	
ANCHOR	No anchoring	Забраняване на котва	Prohibición de anclaje	zakaz kotvení	Opankætning ikke tilladt	Anker serv	Ankots jäämine keelatud	Απαγορεύεται ο άγκυροβολός	Zabranjeno sidrenje	Zabranjeno sidrenje	noenkā aizliegšana	Draudžiama inkarų	
OVERTAKE	No overtaking	Забраняване на превъзлагане	Prohibición de adelantamiento	zakaz objezdy	Overhaling ikke tilladt	Überhol	Moõõda keelatud	Απαγορεύεται ο οπισθοπορεία	Zabranjeno pretjecanje	Zabranjeno pretjecanje	apdzīt aizliegšana	Draudžiama tsknti	
MINPOWER	Minimum power	Минималная мощность	Potencia mínima	minimální výkon	Minimalkraft	Mindestleistung	Minimālā vāims	Ελάχιστος ισχύς	Minimale Leistung	Minimale Leistung	minimuma	Mažiausia galia	
DREDGE	Dredging	Дredжирование работи	Dragado	dragování práce	Gründungsarbeiten	Baggerarbeiten	Silvendus	Θρόκο	Dredgescapadje	dragado	dragadārbi	Dredzģilnimas	
WORK	Work	Работы (действия)	Obras	práce	Arbeiten	Arbeiten	Töötamine	Εργασία	Radovi	lavori	Darbs	Darbai	
EVENT	Event	Случай	Suceso	událost	Begivenhed	Vaarschuwing	Siltum	Συμβεβ	Evenement	Događaj	manifester	Pasākums	Notikis
CHGMA	Change marks	Изменение знака	Cambio de señalización	změna značení	Änderung der Signalgebung	Schiffsignalgebung	Muttsdēģis	Αλλαγή σημείων	Signalizacija	Signalizacija	mainīšana	Ženklu keitimas	
CHGSER	Change services	Изменение услуг	Cambio de servicio	změna provozu	Änderung der Betjening	Vahetus	Alaõõn	Αλλαγή λειτουργίας	Proizvedba	proizvedba	modificācija	Pakalpojumu pasikeitimai	

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									ouvrages modifiée			
SPCM	Special marks	Специални сигнали	Specializációs jelzők	Særlig besondere Zeichen	Eritahi Eritahi	Eritahi	Eritahi	σημεία specializációs	Boschne Boschne	Επείγας σημεία	Specialieji ženklai	
EXERC	Exercises	Упражнения	Übungen	Övelse	Übung	Übung	Übung	Ασκήσεις	Vježbe	Εσκήσεις	Pratybos	
LEADE	Past depth sounded	Минимальная глубина медальон	Profundidim medialhoubkdybe	Minimale Tiefe	Minimale Tiefe	Minimale Tiefe	Minimale Tiefe	Μικρότερο βάθος	Minimale Tiefe	Μικρότερο βάθος	Mažiausias gylis	
LEVDE	Decrease water level	Снижение водного уровня	Nivelo de vodní stav en descenso	Faldende vandstand	Faldende vandstand	Faldende vandstand	Faldende vandstand	Μειωτική υδάτων	Vodostaj u opadanju	Μειωτική υδάτων	Mažėjantis vandens lygis	
LEVR	Rising water level	Растяжение водного уровня	Nivel de vodní stav en ascenso	Stigende vandstand	Stigende vandstand	Stigende vandstand	Stigende vandstand	Αύξηση υδάτων	Vodostaj u porastu	Αύξηση υδάτων	Kylantis vandens lygis	
ANNO	Announcement	Объявление	zpráva	Meddelelse	Meddelelse	Meddelelse	Meddelelse	Αγγελία	Αγγελία	Αγγελία	Pranešimas	
LIMIT	Limitation	Ограничение	oomezi	Begrænsning	Begrænsning	Begrænsning	Begrænsning	Οριοθέτηση	Οριοθέτηση	Οριοθέτηση	Apribojimai	
CANCE	Notice withdrawal	Аннулирование	zpráva	Efterretning	Efterretning	Efterretning	Efterretning	Απόσυρση	Απόσυρση	Απόσυρση	Pranešimas	
MISE	False radar echos	Грешные радарные эхо	falešná radar ozvěna	Falsk radarekko	Falsk radarekko	Falsk radarekko	Falsk radarekko	Εσφαλμένα σήματα καταγραφής	Pogrešni radarski odgovori	Μαλιστα καταγραφής	Klaidingi radaro garsai	
ECDIS	Inland ECDIS update	Обновление ECDIS Сливия	Actualización ECDIS Inland ECDIS	Inland ECDIS Update	Inland ECDIS Update	Inland ECDIS Update	Inland ECDIS Update	Μεταβίβαση Ευρωπαϊκής Ενωσης Ευρωπαϊκής Ενωσης	Αξιοποίηση Ευρωπαϊκής Ενωσης	Αξιοποίηση Ευρωπαϊκής Ενωσης	Inland ECDIS atjauninimas	
NEW	New object	Новый объект	Nuevo objeto	Nyt objekt	neues Objekt	Uus Objekt	Néo Objekt	Nouve Objekt	Novi objekt	nuovo oggetto	Naujas objektas	
WARN	Warning	Предупреждение	Alarma	Advarsel	Advarsel	Advarsel	Advarsel	Προειδοποίηση	Προειδοποίηση	Προειδοποίηση	Įspėjimas	
CHW	Changes of the fairway	Изменения в водном пути	Gambian na vodní cestě	Endring af farvandet	Änderung des Fahrwassers	Änderung des Fahrwassers	Änderung des Fahrwassers	Αλλαγές στο πλοίο	Επιτροπή πλοίου	Επιτροπή πλοίου	Pasikeitimai farvateryje	
CONV	Construction of fairway	Строительство водного пути	Estrecho vodní cesty navigable	Indsnævning af vandvejen	Einengung des Fahrwassers	Einengung des Fahrwassers	Einengung des Fahrwassers	Κατασκευή πλοίου	Συμμετοχή πλοίου	Συμμετοχή πλοίου	Farvaterio susiaurėjimas	



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DIVER	Diver under the water	Водолаз под водом	Presenja pod vodom	Dykker i vandet	Faucher unter Wasser	Fuuker vee all	Υποβρύχιο εργασιών	Prilonger pod vodom	Ronilasommersione	Ždatis darbi	Sčaje naras	Immerse
SPECIAL	Special transport	Специални транспорт	Transport special	Šerlig transport	Sondertransport	Transpord	Ειδική μεταφορά	Prilonger special	Ronilaspecial	Ždatis special	Sčaje special	Specialus transportas
LOCAL	Local rules of traffic	Местные правила движения	Norman locales de tráfico	isístni pravilnice	Lokalelokal Verkehr	Kohalikliiklus	Ειδική κυκλοφορία	Prilonger locaux	Ronilaslocal	Ždatis local	Sčaje local	Vietnamsais
VHF	Radio coverage	Радиопокрытие	Obertura de radio	Radio pokrytí	Funkialevial	Radialevial	Κάλυψη ασυρματικού	Prilonger radio	Ronilasradio	Ždatis radio	Sčaje radio	Radiojono zona
HIGH	High voltage cable	Високого напрежения	Línea de alta tensión	vedení vysokého napětí	Højspændingskabel	Mehlehtijohdot	Υψηλής τάσης καλώδιο	Prilonger haute tension	Ronilaskabel	Ždatis kabel	Sčaje kabel	Augstsaitampokabelis
TURN	No turning	Забранено извъртане на поворот	Prohibido dar a la vuelta	Kakaz provádí obrát	Vending tilladt	Wendingen niet toegestaan	Απαγορεύεται η αλλαγή πορείας	Prilonger okretanje	Ronilazabranjeno okretanje	Ždatis okretanje	Sčaje okretanje	Pagriežta aizliegta
CONV	Convoy breadth	Ширина состава	Mangas del convoy	saírka sestavy	Konvojbreite	Konvojilais	Επάρκειας πορείας	Prilonger convoi	Ronilascargear	Ždatis convoi	Sčaje convoi	Karavanas plotis
CONV	Convoy length	Длина состава	Longitud del convoy	délka sestavy	Konvojlang	Konvojilais	Μήκος πορείας	Prilonger convoi	Ronilascargear	Ždatis convoi	Sčaje convoi	Karavanas ilgis
REMO	Removal of object	Удаление препятствия	Retirada de objetos	odstranění objektu	Fjernelse af objekt	Berging af eemal	Αφαίρεση αντικείμενου	Prilonger objekt	Ronilascargear	Ždatis objekt	Sčaje objekt	Objekto noņemšana
INF	Service	Информационная служба	Servicio de información	Información	Informationsdienst	Informationsdienst	Επικοινωνία	Prilonger d'inform	Ronilascargear	Ždatis d'inform	Sčaje d'inform	Informacija

## SUBJECT CODE

Value	HU	MT	NL	PL	PT	RO	SK	SL	FI	SV	RU	SR
OBST	Úzlat	Ostak	Stremnik	Zagknip	Obstrukcia	Restricție	Obštrukcia	Prepoved	Este	Blocker	Заграждение	Препрека
PAROB	Szlegel tilalom	Ostak	Gedeelte stremnik	Częściowe zagknip	Obštrukcia	Restricție	Obštrukcia	Prepoved	Osittain	Delvis obstruktion	Частичное заграждение	Делимична препрека
DELAY	Késedelem	Demora	Opvoertijd	Opóźnienie	Demora	Întârziere	Meškanje	zamuda	Viivästyminen	Försenhet	Задержка	Кашњење

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VESLEN	Hajó hossza	Tul- tal- Bastiment	Scheep- statku	Dengos- statku	Comprido (embarcação)	Ingunmá- cação)	Árka plavidla	dolžina plovila	Alukse- pituus	Fartygs- längda	Дужина пловила
VESHEN	Hajó magassága	Gholi- faga bastiment	Scheep- statku	Wysoko- statku	Altura acima da linha de água (embarcação)	Înălțime- deasupra liniei de plutire	výška plavidla nad hladinou	prosta avišina plovila	Alukse- suurin korkeus vedenpinnasta	Fartygs- höjd över vattnet	Максимальна висина пловила над водом
VESBEN	Hajó szélessége	Wisa- stele bastiment	Scheep- statku	Szerelő- statku	Boca (embarcação)	Lățime- cação)	širka plavidla	širina plovila	Alukse- leveys	Fartygs- bredd	Ширина пловила
VESDEN	Hajó merülés- mértéke	Fundar- nehtieg ghall- bastiment	Diepgang- statku	Zgurnuz- statku	Grilado (embarcação)	Pescajup- cação)	uponor plavidla	ugrez plovila	Alukse- syväys	Fartygs- djupgående	Осадка газ пловила
AVALEN	Fendel- álló hosszúság	Fend- disponib- bilitás	Doorva- blij	Dileg- użytko- w	Comprido disponi- vel	Ingunmá- adch- misádlžka	Árka plavidla	dolžina plovila	Käytett- oleva pituus	Tvåls- längd	Грунт- длина Дужина
CLEHEN	Elzabad- űrszelvény	Fond- ny- magasság spazju hieles	Doorva- magasság	Wysoko- w świetle	Altura livre de înălțime	Gabarit- de výmě- řka	podjaz- d výška	prosta višina prehoda	Alikul- längd	Fartygs- höjd	Допустимая высота висина
CLEWEN	Hajó- szélesség	Wisa- spazju hieles	Doorva- magasság	Szerelő- w świetle	Boca livre de lățime	Gabarit- de lățime	podjaz- d širka	prosta širina prehoda	Käytett- oleva leveys	Fartygs- bredd	Допустимая ширина ширина
AVADEN	Fendel- álló vízmé- lység	Fend- disponi- bilitás	Beschli- chte	Glebo- użytko- w	Bófund- disponi- vel	Adch- disponi- bilitás	Árka plavidla	dolžina plovila	Käytett- oleva syväys	Tvåls- djup	Грунт- глубина Дужина
NOMON	ÖB- tilalom	Lásni- projbit	Afmeer- service	Zakaz- cumowa	Proibição da amarracosta	Interdição de a acosta	zá- kaz vyvážo- pavaz	prepove- d pavaz	Kiinti- kielletty	Förbjude- sam	Забра- нено пре- щени- ване
SERVICEN	Corláto- üzem	Set- limitat	Beperkt- service	Usluga- ogranic- hionado	Servico- limitado	Manevra- restric- tione	zá- kaz povád- ka	prepove- d skarite- val	Rajoite- palvelu- service	Begrän- ad service	Огра- ни- чен- ное обслу- живание
NOSERVICEN	Rvems- tilalom	Set- sospiz	Geen- bediening	Usluga- nedostup- na	Interrup- ção do serviço	Interrup- ção do serviço	zá- kaz povád- ka	prepove- d skarite- val	Ei palvelu- service	Ingen He service	Без обслу- живания
SPEEDEN	Sebesség- korlátozás	Velocita- tás	Snä- het	Ograni- czony szybko- ści	Limite- de velocidade	Limite- de vitez- nosť	Limita- nájvyš- šia povolená rýchlosť	šarost povolená rýchlosť	Nopeus- Hastig- het	Ögräns- ad skorosti	Бре- жит- ельная с- корости
WAVEN	Wass- elkeren- verbod	Fend- tal- mewg projbita	Golfslag- vermij- den	Zakaz- dovozu fal	Não- causar ondula- ção	Forma- valuril- orndu- liza- ção	zá- kaz nobil- it- sania	prepove- d povzro- čanje valov	Alimo- kall- kos- vall tuottami- nen kielletty	Ber- eg- vik skorosti	Забра- нено прав- лен- ье тала- са

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PASSIN	Nálálkozás tilos	Passaggio proibito	Ontmoetingsverboden	Zakaz mijak	Proibição de passar	Traversare interzis	zákaz preplávania	prepovedan	Edan läpikul	Passering förbjuden	Нет прохода	Забрањено пролаз
ANCHOR	Örönyttilos	Ankora proibita	Ankereverboden	Zakaz kotwienia	Proibição de ancorar	Ankorare interzis	zákaz kotvenia	prepovedano	Edan ankur	Ankring förbjuden	Якорная стоянка запрещена	Забрањено якорна сидрење
OVERTAKE	Közneltilos	Projbit il-qbiż ta' bastimenti oħra	Voorbijverboden	Zakaz wyprzedzania	Proibição de cruzar ou ultrapassar	Depășire interzis	zákaz predchádzania	prepovedano	Edan nihtamforda	Omkör förbjuden	Обгон запрещен	Забрањено обгон престоизање
MINPOWER	VRminimális teljesítmény	Pistenza minima	Minimale vermogen	Minimálna moc napędu	Potência mínima	Putere minimă	minimálny výkon	alajmanj	Vähimvõ	Mäinsthåll	минималная мощность	Минимална снага
DREDGE	Grásmunkálatok	Thammbagger	Bagger	Regulacja dna	Dredaj	Dredaj	de dragaj	bagrovacia	oglavljanje dna	Rampgräv	Мудогребение	Ботроврење
WORK	Munkák	Kooghol	Werkzaamheden	Arbejdsopdræt	Trabalhos	Hoscrâri	práce	delo	Työt	Arbete	Провод работ	Работы
EVENING	Tendevények	Künyen	Evenementen	Impreza	Evento	Eveniment	mulostpriradit	Tapahtumat	Evenement	Evenement	Магпоп	Дотчај
CHGMS	Általános jelek	Bidla	Gewijzigingen	Zmiana	Alterações	Somnalizări	zmeny	spremenenia	Merkit	Ändringar	Изменения	Промена
CHGMS	Általános jelek	Bidla	Gewijzigingen	Zmiana	Alterações	Somnalizări	zmeny	spremenenia	Merkit	Ändringar	Изменения	Промена
CHGMS	Általános jelek	Bidla	Gewijzigingen	Zmiana	Alterações	Somnalizări	zmeny	spremenenia	Merkit	Ändringar	Изменения	Промена
SPCM	Általános jelek	Bidla	Gewijzigingen	Zmiana	Alterações	Somnalizări	zmeny	spremenenia	Merkit	Ändringar	Изменения	Промена
EXERCISE	Gyakorlatok	Kooghol	Werkzaamheden	Arbejdsopdræt	Trabalhos	Hoscrâri	práce	delo	Työt	Arbete	Провод работ	Работы
LEADER	Minimális mélység	Minst	Najminder	Prisfand	Adâncime	Adâncime	hĺbka	globina	Matalin	Minsta	Минималная глубина	Минимална дубина
LEVDE	Öökken	Öökken	Afne	Spade	Descida	Scădere	desaj	cažanje	Veden	Sjökka	Снижение	Водопад
LEVDE	Öökken	Öökken	Afne	Spade	Descida	Scădere	desaj	cažanje	Veden	Sjökka	Снижение	Водопад
LEVDE	Öökken	Öökken	Afne	Spade	Descida	Scădere	desaj	cažanje	Veden	Sjökka	Снижение	Водопад
ANNOUNCE	Än	Än	Aankondiging	Comunicare	Anuncio	Comunicare	oanunț	oanunț	oanunț	Meddelande	Объявление	Најава

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LIMIT	Aorlárto	Ris	Restriz	Enp	ik	Ugan	Restri	ós	nítá	obmed	zon	ajit	Rajoitu	keet	áns	Ompa	Oerae	ичење	
CANC	Hrdetm	ányiz	Bericht	Komun	Avais	Mesaj	správa	obvesti	llo	moitu	terka	Qd	mena	Povlače	ňa	Товлаче	ňa	ня	
	visszav	onva	lainget	oklen	olany	uladon	bola	prekli	per	uuten	märkn	igvещ	ени	Саопште	ња			ња	
MISEC	Hamis	Eki	Valse	Falszy	Ec	Ec	falošná	napačn	Virheel	Halaka	Lोजना	Лажни							
	radarvis	szhang	akarech	wa	radar	radar	odozva	odmevit	utkak	aridja	радарна	радарски							
	tar-	radar		radar	falsos	fals	radar	radarja			цель	одраз							
ECDIS	Inland	agğorn	amend	ARDIS	Sia	ajiz	začun	izakua	zao	do	Sisaves	Updated	Om	гвл	Аку	иран			
	ECDIS	stal-	update	Inland	ECDIS	atelor	Inland	celinske	EGADIS	av	inlands	для	ECDIS						
	frissité	ECDIS	Interna	ECDIS	fluvial	ECDIS	ECDIS	ECDIS	Späiv	inlands	ECDIS	Inland	ECDIS						
NEWOB	Obj	Oggett	Nieuw	Nowy	Novo	Object	nový	nov	Uusi	Nytt	Новый	Нови							
	objektu	g	object	objekt	objeto	nou	objekt	objekt	kohde	föremå	объект	объект							
WARN	Ny	Ew	Waars	Osw	Alerta	Avertis	man	u	Varoitu	Varning	Предуп	Мозор							
	nyelme	twiss	sch	sw	Alerta	Avertis	man	u	Varoitu	Varning	Предуп	Мозор							
CHW	W	W	W	W	W	W	W	W	W	W	W	W							
	W	W	W	W	W	W	W	W	W	W	W	W							
	W	W	W	W	W	W	W	W	W	W	W	W							
CONW	W	W	W	W	W	W	W	W	W	W	W	W							
	W	W	W	W	W	W	W	W	W	W	W	W							
	W	W	W	W	W	W	W	W	W	W	W	W							
DIVER	Rv	zalat	Bughad	Dus	kwe	Nzak	Prede	Scafan	ma	ce	dela	sukelta	Dy	ka	re	водола	P	онилац	
	munka	kaht	ilma		pod	woda	de	in	pod	vodo	vodo	veden	i	vattnet	pod	водой	под	водом	
SPECTR	Ril	önle	Ea	respon	Bijzond	transp	transp	transp	ort	ciál	ma	sebn	erikois	Sr	ciál	Ga	respon	блени	
	szállít	as	szállít	as	szállít	as	szállít	as	szállít	as	szállít	as	szállít	as	szállít	as	szállít	as	szállít
LOC	Ulyi	Regoli	Lokale	Miejsc	Regas	Regula	lokale	elokal	napaik	all	ket	kala	Mестны	Ло	кална				
	közle	kesi	verke	prze	g	g	g	g	g	g	g	g	g	g	g	g	g	g	
	rend	tat	traffiku	ruchu	tráfego	tráfego	tráfego	tráfego	tráfego	tráfego	tráfego	tráfego	tráfego	tráfego	tráfego	tráfego	tráfego	tráfego	
VHF	Om	ió	Koperu	Radiod	Peking	Co	bertu	Ar	ko	peru	radio	radio	radio	radio	radio	radio	radio	radio	
	lefedet	ta	ta	ta	ta	ta	ta	ta	ta	ta	ta	ta	ta	ta	ta	ta	ta	ta	
	ta	ta	ta	ta	ta	ta	ta	ta	ta	ta	ta	ta	ta	ta	ta	ta	ta	ta	
HIG	Uagy	Kejbi	Hoogs	paim	ing	kl	hal	Linie	vedenie	visok	kor	pe	ko	st	ang	st	ang	st	
	feszült	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	
	át	át	át	át	át	át	át	át	át	át	át	át	át	át	át	át	át	át	
TURN	In	eg	for	Du	mir	ra	ai	er	zak	az	az	az	az	az	az	az	az	az	
	tilos	projbit	verbo	za	za	za	za	za	za	za	za	za	za	za	za	za	za	za	
	za	za	za	za	za	za	za	za	za	za	za	za	za	za	za	za	za	za	

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

CONB	RE	Wisa'	Breedte	Szerok	Os	gura	Látime	šírka	širina	kytkeye	konvoj	Иледи	Ширина
	kötelek	tal-	van	zestaw	ulo	convoio	uzostav	konvoj	deveys			состава	состава
	szélesség	konvoj	de	duwsleep								судов	
CONLE	EN	Tul	Lengte	Długość	Comprimento	szélesség	szirina	dolžina	kytkeye	konvoj	Дужина	Дужина	
	kötelek	tal-	van	zestaw	ulo	convoio	uzostav	konvoj	pituus			состава	состава
	hossza	konvoj	de	duwsleep								судов	
REMO	Bentés	Tnehij	Verwijdering	désen	Remoción	Schimbare	badstrán	odstran	Kohteen	Bärgning	Удаление	Удаление	
	munkál	lak	van	objekt	de	objeto	objektu	objektu	apoistamin	föremål	объекта	объекта	
	oggett	object											
INFSE	Rájek	Satás	Információ	Servis	Servico	Mesaj	Informa	informa	služba	služba	Информационная	Информационная	
	inform	ta'	zjoni	informa	informa	informa	informa	informa	informa	informa	služba	služba	
	inform	ta'	zjoni	informa	informa	informa	informa	informa	informa	informa	služba	služba	

## TARGET GROUP CODE

Value	EN	BG	ES	CS	DA	DE	ET	EL	FR	HR	IT	LV	LT
ALL	all	Всички	Todos	všichni	Alle	alle	Kõik	Όλα	Tous les	Sve vrste	tutti	Visi	Visi
CDG	vessels with dangerous goods	Гроповозни опасни товари	Embarcaciones con mercancías peligrosas	Embarcaciones určené pro nebezpečné náklady	Fartøjer med farligt gods	Fahrzeuge mit gefährlichen Gütern	Ohutlastid	Επιβιβαζόμενα επικίνδυνα φορτία	Kánszokozatok veszélyes anyagok	Komercijalne plovice	commercianti con merci pericolose	Komerču ar bīstamām kravām	Pakojbos laivai su pavojingu kroviniu
COM	commercial vessels	Гроповозни кораби	Embarcaciones comerciales	Embarcaciones určené pro přepravu nákladu	Handelsfartøjer	Iskibek	Kaubalaev	Εμπορικά πλοία	Bateaux de commerce	Komercijalne plovice	commercianti	Komerču laivai	Pakojbos laivai
PAX	passenger vessels	Гроповозни кораби	Embarcaciones para pasajeros	Embarcaciones určené pro přepravu cestujících	Passagerfartøjer	Iskibek	Kaubalaev	Επιβιβαζόμενα πλοία	Bateaux pour passagers	Putnička plovice	commercianti	Pasažieru laivai	Pakojbos laivai
PLE	pleasure crafts	Спортивни или увеселителни кораби	Embarcaciones deportivas o recreativas	Embarcaciones určené pro plavidla	Fartøjer til fritidsbrug	Sportfartøjer	Kaubalaev	Ευχάριστα αναψυκτήρα πλοία	Bateaux de plaisance	Plovilnatanti za rekreacijske namene	commercianti	Pasažieru laivai	Pakojbos laivai
CNV	convoy	Устава	Convoys	Ustav	Konvoj	Konvoj	Konvoj	Κονβόι	Convoi	Sastav	convoy	Konvoj	Konvoj
PUS	pushed convoys	Гласка	Convoys	Ustav	Konvoj	Konvoj	Konvoj	Κονβόι	Convoi	Potiskisastav	convoy	Konvoj	Konvoj
NNU	non navigating users	Потребители, не использующие корабы	Usuarios que no navegan	Brugere, der ikke navigerer	Brugere, der ikke navigerer	Brugere, der ikke navigerer	Brugere, der ikke navigerer	Χρήστες που δεν πλοηγούν	Korisnici koji ne navigiraju	Korisnici koji ne navigiraju	Korisnici koji ne navigiraju	Korisnici koji ne navigiraju	Korisnici koji ne navigiraju

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

				nautičar uživatelj	for Kibsfahrer	nautičar Nutzer	cha used			ne plove	in naviga	nesais ziona	titu totāji
LOA	loaded vessels	Натовар кораб	Embarcação con carga	nautičar plavidlar	for fartøjer	nautičar Fahrzeuge	cha used			ne plove	in naviga	nesais ziona	titu totāji
SMA	small crafts	Малы кораб	Embarcação pequena	nautičar plavidlar	for fartøjer	nautičar Fahrzeuge	cha used			ne plove	in naviga	nesais ziona	titu totāji
CND	convoy with dangerous goods	Състав превоз опасных товаров	Convoy pro mercancia perigosa	nautičar plavidlar	for fartøjer	nautičar Fahrzeuge	cha used			ne plove	in naviga	nesais ziona	titu totāji
MOV	motorized vessels	Моторизован кораб	Embarcação motorizada	nautičar plavidlar	for fartøjer	nautičar Fahrzeuge	cha used			ne plove	in naviga	nesais ziona	titu totāji
NMV	non-motorized vessels	Немоторизован кораб	Embarcação sem motor	nautičar plavidlar	for fartøjer	nautičar Fahrzeuge	cha used			ne plove	in naviga	nesais ziona	titu totāji
WOC	workcrafts	Работно плава средство	Embarcação para trabalho	nautičar plavidlar	for fartøjer	nautičar Fahrzeuge	cha used			ne plove	in naviga	nesais ziona	titu totāji

### TARGET GROUP CODE

Value	HU	MT	NL	PL	PT	RO	SK	SL	FI	SV	RU	SR
ALL	minden vonatkozó	kolha közlekedő	Alle scheepvaart	Wszystkie środki transportu	Todos los usuarios	toți utilizatorii	všetci používatelia	vse plovila	Kaikki alukset	Alla fartyg	Все суда	Сви пловиле
CDG	kereskedelmi hajó	destinada b' mercaderia	Der goederen vervoer	Statki handlowe przeznaczone do przewożenia ładunków niebezpiecznych i substancji niebezpiecznych	Embarcação de mercaderias perigosas	toți de mărfuri periculoase	všetci používatelia	vse plovila	Kaikki alukset	Alla fartyg	Все суда	Сви пловиле
COM	kereskedelmi hajó	destinada a comércio	Der goederen vervoer	Statki handlowe przeznaczone do przewożenia ładunków niebezpiecznych i substancji niebezpiecznych	Embarcação de mercaderias perigosas	toți de mărfuri periculoase	všetci používatelia	vse plovila	Kaikki alukset	Alla fartyg	Все суда	Сви пловиле

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PAX	személyhajó	passagier	Passagier	Statki	Embarcação	nações	osobné	potniška	Matkus	Paisag	Илсудно	Пловило
PLE	kedvtelű célhajó	lopi talbaharrikreazzjoni	Recreativ	Statki	Embarcação	nações	rekreáció	plovila	Huvial	Илсудно	Пловило	Пловило
CNV	hajókötél	konvoj	Samens	Statki	Embarcação	nações	zostav	konvoj	Kytke	Илсудно	Состав	Состав
PUS	tolt kötelek	konvoj	Duween	Statki	Embarcação	nações	tlačné	potisni	Työnne	Pyskut	Илсудно	Пловило
NNU	nem hajózási használat	utenti	Niet	Użytkownicy	Wnioskodawcy	nações	deplav	ajporab	Andra	Илсудно	Состав	Состав
LOA	berakot	bastime	Deladen	Statki	Embarcação	nações	naložen	atovon	Илсудно	Состав	Состав	Состав
SMA	kishajó	opri talbahar žghar	Kleine	Mały	Pequena	salupa	malé	mali	Pienet	Smabāt	Илсудно	Пловило
CND	veszélyes árut szállító kötelek	konvoj	Samens	Statki	Embarcação	nações	zostav	konvoj	Kytke	Илсудно	Состав	Состав
MOV	motorhajó	bastime	Vaartuig	Statki	Embarcação	nações	plavidla	motoriz	Maat	Motor	Илсудно	Пловило
NMV	motor nélküli hajó	bastime	Vaartuig	Statki	Embarcação	nações	plavidla	motoriz	Maat	Motor	Илсудно	Пловило
WOC	úszómű	talbahar ta' sit tax-xoghol	Scheep	Statki	Embarcação	nações	plavidla	motoriz	Maat	Motor	Илсудно	Пловило

## TYPE CODE

Value	EN	BG	ES	CS	DA	DE	ET	EL	FR	HR	IT	LV	LT
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RIV	river	Река	Río	řeka	Flod	Fluss	Jõgi	Ποταμός	Rivière	Rijeka	fiume	Upe	Upè
CAN	canal	Канал	Canal	kanál	Kanal	Kanal	Kanal	Κανάλι	Canal	Kanal	canale	Kanāls	Kanalias
LAK	lake	Езеро	Lago	jezero	Sø	See	Järv	Λίμνη	Bassin	Jezero	lago	Ezers	Ežeras
FWY	fairway	Фарватер	Via navigabile	plavební dráha	Farvan	Bahrwasser	Essarv	Αιόλος	Chenal	Plovni put	canale navigabile	Kuģu braiņš	Farvateris
LCK	lock	Бараж	Esclusa	plavební stupěň	Siluse	Schleuse	Käüs	Υδατοφράκτης	Prevođ	dricka	Služas	Šliuzas	
BRI	bridge	Мост	Puente	most	Bro	Brücke	Sild	Γέφυρα	Pont	Most	ponte	Tilts	Tiltas
RMP	ramp	Рампа	Rampa	rampa	Rampe	Rampe	Ramp	Πλατφόρμα	Rampa	rampa	Traps	Rampa	
BAR	weir	Бент	Presa	jez	Overløb	Wahrnülling	Υδατοφράκτης	Ποταμού	Barrage	Pregradnja	barranco	Antspriests	svanka
BNK	bank	Бряг	Margen	breh	Bred	Ufer	Kallas	Όχθη	Berge	Obala	sponda	Krasts	Krantas
GAU	tide gauge	Водомерная станция	Mareografo	čefidevan	Hedge	Bojsu	Παλινδρομική	Μαρέγραφο	Marégraphe	marografs	mareografas	līmenrādis	mareografas
BUO	buoy	Буй	Boyas	bóje	Bøje	Boje	Poi	Σημάνη	Boje	Plutač	boa	Boja	Plūduņas
BEA	beacon	Фар	Baliza	maják	Fast sømærke	Bake	Paak	Υφαλόδρακτης	Svjetojelo	obalni znak	Baka	Švyturys	
ANC	anchorage area	Котвенная стоянка	Fondeadero	čuvárniš	Opank	Ankerplatz	Ankerplatz	Παράση	Sidrište	area di ancoraggio	Enkuravimosi vieta		
BER	berth	Корабное место (кей)	Ataraca	čuvárniš	Kajplads	Seges	Kelle	Αποβάθρα	Pristanište	atacco	Pietauvieta	Rošlauka	
MOO	mooring facility	Ивартустройство	Amarrador	čuvárniš	Fack	ringss	Schlingens	Πρόσδεσμός	Opmerking	truttula	Pietauviečia	šarvas	imosi įrenginys
TER	terminal	Терминал	Terminal	lekcladist	Terminal	Schlagplatz	Tagplatz	Εμπορευματοστάθμος	Terminale	terminal	terminalas		
HAR	harbour	Пристань	Puerto	přístav	Havn	Hafen	Sadam	Λιμάνι	Port	Luka	porto	Osta	Uostas
FDO	floating dock	Плавающий док	Muelle flotante	plovoucí dok	Flyded	Schwimmdock	Πλωτό	Ποντολάβα	Pontón	Blutaj laivagalys	Peldoslaivagalys		
CAB	cable overhead	Далековод	Cable aéreo	zdušné vedení kabelu	fluchtled	Flucht	Flucht	Καλώδιο	Cable suspendu (Chemin de câbles, lignes électriques)	Viseći kablovospes	Kabelu	Orolinijos kabelis	



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FER	ferry	Фериб	transp	prilac	Kabel	Fejre	Parvla	Οχημα	Baro	Skela	funivia	Prāmisk	Keltas
PIP	pipeline	Тръбо	Conduits	sub	Rorled	Pipeline	Forujuk	Αγωγό	Ολέου	Cjevov	condu	Caruru	Vadz
PPO	pipeline overhead	Надзем	Conduits	veznen	Rürbro	Rohrb	Tike	Ευαέρ	Ολέου	Viseći	condu	Caruru	Vadu
		тръбо	αγωγός	veznení	potrubí		liin	αγωγός	αίρειν	cjevov	odspes	pārva	vandens
													iškeltas
													vamzdynas
HFA	harbour facility	Прист	Instalac	prístav	Havne	Häfen	Sadnja	Αγκυ	Installa	Učrke	installa	Ožias	Uosto
		оборуд	postaja	zařízení			rajatis	εγκατά	postaja	gradev	portual	iekārt	ajranga
HMO	harbour master's office	Капит	Capitán	cancel	Havne	Hafn	Seidn	Καπ	Capitán	Kapitan	di	Ostias	Uosto
		приста	puerto	vedoucího			büroo				porto	kaptein	kapitono
				prístavu								dienests	tiuras
SHY	shipyard	Κορ	Aspber	rodnička	Skibsværft	Laevat	Nas	Κινη	Brodog	gradiliš	Kuğu	Laivų	
								naval		navale	būvētav	statykla	
REF	refuse dump	Пункт	Dépôt	sběrna	Affalds	Abfall	Parmla	Μηλο	Station	Skladiš	tunto	Atkritu	Atliekų
		за	de	odpadu				απόρρι	de	otpadn	recol	tizgāztu	atliekų
		сбир	residuos					πλύν	de	materija	lauti	atliekų	atliekų
		на						de	déchets				atliekų
		отпадъ											atliekų
		ци											atliekų
MAR	notice mark	Инфор	Panel	plac	bidvars	Schiff	Bois	σημεί	de	oznaka		zīme	Ispejimo
		табло	de	znak			tāhis		signalisation				ženklas
			señalización										
LIG	light	Светел	Alumb	radlo	Lys	Leucht	Fuler	Φανός	Feux	Svjetlo	fanale	Gaisma	šviesos
		знак											
SIG	signal station	Сигнал	Estación	signál	Signal	Signal	Maig	σημεί	de	postajadi		Signal	Signalų
		станции	de	stanice			punkt	σταθμ	signalisation	segnalamento			postas
			señalización										
TUR	turning basin	Район	Cuenca	abratis	Vende	Waside	Pödle	Λεκά	Bassin	Mjesto	bacino	Pagrieš	Apas
		за	de				eeldok	τροφι	za	di		vieta	baseinas
		повор	maniobra					virage	okretan	manovra			
CBR	canal bridge	Мост	Puente	premost	Kanal	Kanal	Kanal	Κανα	Pont	Most	acque	Kanal	Kanalo
		на	canal	kanálu				kanalı	Canal	na	kanalu	tilts	tiltas
		канал											
TUN	tunnel	Тунел	Túnel	tunel	Tunne	Tunne	Tunne	Εήρα	Tunne	Tunel	tunnel	Tunelis	Tunelis
BCO	border control	Грани	Puest	hraniči	Gräns	Grän	Grän	Ελέγ	Poste	Granič	control	Robež	Pasienio
		контро	frontier	kontrola				χρ	de	kontrolli	frontiera	kontrolė	
									douane				
REP	reporting point	Κον	Puest	místo	Rapport	Meld	punkt	Επεί	Poste	Kontrol	post	Ziņoš	Kontrolės
		пост	de	hlášení				αναφ	de	točka	di	vieta	punktas
			notificación						contrôle	controll			
FLO	flood gate	Шлюз	Compue	bran	Över	Spj	Ö	Πορ	Porte	Vrata	parato	Slūžas	Dambos
				vrata			töke	υδρο	de	prevod	dnice	uždoris	
								στη	garde				

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SLI	ship lift	Κοράβι elevator/подъемник	Elevador/ výtah	Skibslift	Суднолифт	Шибелифт	Πλοίο ανελκυστήρα	Diralo ascensor per navi	Krağı lifts	Laivų keltuvas
DUK	culvert	Водосток	Passo propus	Genne	Duker	Toruvik	Koatorog	Odvođna kanal	Üdensa sifone	Padhid
VTC	vessel traffic centre	Центр за управление на корабоплаването	Centro de tráfico naval	Skibstrafik	Véhicule	Читовник	Κέντρο ρύθμισης της κυκλοφορίας πλοίων	Kontrollcentar	Kuğu satış kontrol	Laivų tiesmo centras
RES	reservoir	Резервуар	Embalsad	Reservoir	Stuha	Hungla	Δεξαμενή	Akumulacija	Rezervuar	Tieskinys
LKB	lock basin	Шлюз камер	Eclusa con cabezas separadas	Kiedelskomora	Sudeu	Lankai	Θάλασσα δεξαμενή ανύψωσης	Bazen conca prevođice	Slūžu baseina	Šliuzo baseinas
BRO	bridge opening	Плаватвор на мост	Apertura de puente	Oplukbro	Relig	Sildarch	Γέφυρα άνοιγματος	Otvor mosta	Tilta atvērums	Tilto anga
BNS	bunker fuelling station	Място за гориво бункер	Tanque de Estación marítima de suministro de combustible	buñker tankstation	Bunker	Bunkertank	Κεντρικό θάλασσα σταθμός τροφοδοσίας καυσίμων	Terminacija za gorivo	Evertna uzpildes	Bunkeris / duuro pildymo punktas

## TYPE CODE

Value	HU	MT	NL	PL	PT	RO	SK	SL	FI	SV	RU	SR
RIV	folió	xmara	Rivier	Rzeka	Rio	fluviu	rieka	reka	Joki	Flod	Река	Река
CAN	csatorna	kanal	Kanaal	Kanał	Canal	canal	kanál	kanal	Kanava	Kanal	Канал	Канал
LAK	tó	lag	Meer	Jezioro	Lago	lac	jazero	jezero	Järvi	Sjö	Озеро	Језеро
FWY	hajóút	kanal navigabbli	Vaarweg	Tor wodny	Via navegável	şenal	plavebná dráha	plavovna pot	Väylä	Farled	Фарватер	Провни пут
LCK	zsilip	bieb tal-ilma maghluq	Sluis	Śluza	Eclusa	ecluză	plavebný stupeň	plavoporniš	Salku	Sluss	Шлюз	Преводница
BRI	híd	pont	Brug	Most	Ponte	pod	most	most	Silta	Bro	Мост	Мост
RMP	rámpa	rampa	Helling	Pochylna	Rampa	rampă	rampa	rampa	Rampp	Ramp	Рампа	Рампа
BAR	gát	diga sommergibbli	Stuw	Jaz	Barragem	baraj	hať	jez	Pato	Damm	Плотина	Мстава

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BNK	part	xatt	Oever	Brzeg	Margen	banc	breh	breg	Ranta	Bank	берег	Обала (реке, канала, језера)
GAU	vízmerő	dejl il- marea	Peilschwa	Włodow	Fluzión	maré maré maree	vodomér	vodomér	Vuorovesi	Edinatti	станция водомер	Вагомерна станция
BUO	bója	baga	Boei	Boja	Boia	geamara	hóija	plovec	Poiju	Boj	Буй	Бова
BEA	parti (irány)	fanal jel	Baken	Stawa	Baliza	baliză	maják	svetilnik	Merimies	Sigil	Маяк	Светлећи обалски знак
ANC	horgony hely	zóna ta' ankragg	Ankerp	Kaatswic	Anwisk	de de ancorare	kotvisk	sidrišče	Ankkura	Ankkura	Стоянка	Сидриште
BER	kikötő	hely	Ligplaat	Miejsc	Cais/ postojuf	punct de ancorare	vývaziš	kovez	Laituri	Kajka	Причал	Пристајалиште
MOO	kikötő	facilita ta' rmigg	Faciliteit	Faciliteit	Posto de amarração	possibilitate de amarrare	vývaziš	kovez	Laituri	Kajka	Причал	Пристајалиште
TER	rakodó	terminál	Terminál	Terminál	Terminál	terminál	terminál	terminál	Terminál	Terminál	Терминал	Терминал
HAR	kikötő	port	Haven	Port	Porto	port	prístav	pristaniš	Šatama	Hamn	Порт	Лука
FDO	úszódok	lakár f'wič l- ilma	Drijvendok	Dok	Doca	ponton plywajacy	plavajú dok	plavajú dok	Liiva telakka	Flytdok	Каваучи док	Ловче док
CAB	átvezetők	bil fl- ajru	Overhaleb kabel	Kabel	Cabo de cabo	cablu suspendat	vzdušné dražni	žračni	Kaapel	Luftled	Ловче кабель	Ловче кабель
FER	komp	lanča	Veerpont	From	Ferry	bac	prievoz lod' (kompa)	zrājekt	Lautta	Färja	Паром	Скела
PIP	csővezeték	pipeline	Pijpleiding	Pijpleiding	Gondut	conducte	potrubie	ceovod	Putkijo	Pipeline	Трубопровод	Трубопровод
PPO	csőhid	pipeline fl- ajru	Overhaleb pijpleiding	Rogondb pijpleiding	Gondut	conducte	potrubie	ceovod	Putkijo	Pipeline	Трубопровод	Трубопровод
HFA	kikötő	létesítmény	Haven	Port	Porto	port	prístav	pristaniš	Šatama	Hamn	Порт	Лука
HMO	kikötő	kapitányság	Hajen	Kapitan	Capitani	capitan	kapitan	kapitanija	Šatama	Hamn	Порт	Лука
SHY	hajógyár	szna	Scheep	Storz	Estale	sanier	lodenica	ladje	Palakka	Varv	Судостроительный завод	Бродопромышленный завод

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REF	hulladékpostak	afvaldeafgifter	Wysypisko	stacja de recolectare de reziduose	stanie de recolectare a deșeurilor	skládka odpadov	odlagalište	base de piers	amalgams	смет	диште отпадних материја	
MAR	hajózásjel(zés)avvi	sinjalta'	Verkeer	stake informaticy	Painel de semnalizare	plavebný znak	plovbná označka	moitu	trafik	знак	знак	
LIG	fény	dawl	Licht	Światło	Luz	semnal luminos	svetloby	svetloby	Valo	Ljus	Огонь	Светло
SIG	jelzőállás	stazjontas-sinjal	Seinstasjon	Stacja sygnalizacyjna	Estação de sinalização	stanie de semnalizare	signálna stanica	signálna postaja	Merkin	Signals	станция	Сигнална станица
TUR	fordítóhely	halyirghad-dawran	Zwaai	Omroep	Bacia de viragem	loc de viraj	obratisko	obračališče	Kääntö	Määntö	ворота бассейна	Базейн маневрисање
CBR	csatorna	phút fil-kanal	Aquaduct	Most	Ponte	podtunel	akvadukt	most	Kanava	Kanal	оквида на каналу	Мост на каналу
TUN	alagút	mina	Tunnel	Tunnel	Túnel	tunel	tunel	predor	Tunnel	Tunnel	Тунел	Тунел
BCO	határállomás	frontieri	Grensstasjon	Kontrolgranicz	Ponto de controle	punct de trecere frontieră	hraničná kontrola	nejna kontrola	Rajatar	Kasus	контроль	Гранична контрола
REP	jelentkező pont	phút ta' rapportar	Meldpunkt	Punkt meldung	Ponto de notificação	punct de raportare	miesto hlásenia	točka javljanja	Raport	Raport	оповещение	Пункт javna denia
FLO	zsilipkapu	ghall-gharghar	Keerslu	Slu	Compartiment	partă pentru regularizare debit	protipod	protipod	Sulkup	Damm	ворота за шлюза	Узловые ворота за эвакуацию поплавног таласа
SLI	hajólift	ghall-irfigh tal-bastimenti	Scheep	Flot	Flota	navios	lodi	lodi	Laivah	Fartyg	лифт	Бродски лифт
DUK	búvár	kanal tad-drenagg	Duiker	Przepust	Aqueduto	canal	kanal	kanal	Holvin	Kupert	Водопр	Оливни канал
VTC	forgalombiztonsági központ	traffiku tal-bastimenti	Verkeer	Centrum de statkóv	Centrum de trafego	centru de gestionare al traficului	centru de gestionare al traficului	prometivni redišče	Adusli	Centrum för fartygstrafik	Centrum för fartygstrafik	Центар за управљање саобраћајем

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RES	gyűjtőmedence	gibjun	Spaarboezem	Zlčník	Albufeira	lac de acumulare	vodná nádrž	akumulacija jezera	Baijokk	Alattenn	Bogasi	Акумулација
LKB	zsilipvárakozóhely	bačirbieb tal- ilma maghluq	Sluiskokomora	Komora	Bacia de eclusa	bazinul ecluzei	plavebná komora	slapavnica	Salkuk	Slusskall	Himor	Бомора камера
BRO	hídnyílás	fuħ ta' pont	Brugopont	Öttinger mostu	Ponte a abrir	pod in deschidere	mostný otvor	prehod mostu	Avattu silta	Broöpp	Pingmost	Мостовски отвор
BNS	üzemanyálom	stazjón	Bunkertankstation	Bunkertankstation	Posto de abastecimento	bunkerstátie	zásobovacia tankovacia stanica	tacka/ tankovárnik	Tankkabinilnica	Bunkertankstation	Бункерстанция	Терминал
												надевање горивом

## ICE ACCESSIBILITY CODE

Value	EN	BG	ES	CS	DA	DE	ET	EL	FR	HR	IT	LV	LT
A	navigational normal	Нормално корабово	Normal navegação	Normální plavební provoz	Normal skibsfart	Normal Schifffahrt	Normal navigatsioon	Κανονική πλοήγηση	Normal navigační	Normal plovidba	Normal navigazione	Normal kuģošana	Normal prastavių
B	navigational not yet hindered	Корабовање не е забавено	Normal navegação possível	Normální plavební provoz ještě možná	Normal skibsfart hindres endnu ikke	Normal Schifffahrt wird noch nicht behindert	Normal navigatsioon ei ole veel takistatud	Κανονική πλοήγηση δεν παρεμποδίζεται	Possibile navigazione	Plovidba nije otežena	Normal navigazione	Kuģošana vēl nav traucēta	Normal prastavių laivyba
F	low traffic	Слабо корабовање	Tráfico escaso	slabý provoz	Lav trafik	wenig Schifffahrt	Vähene liiklus	Χαμηλό κυκλοφορία	Traffic faible	Slab promet	scarso traffico	Neli satiksmes intensitāte	Neintensyvas
L	no navigation without breaking	Корабовање без разбивања	Normal navegação impossível	Ingen plavebni skibsfart uden isbrydelse	keine Schifffahrt ohne Eisbrecher	Vaid liiklus ilma jääreidurita	Kaμία πλοήγηση χωρίς πάγων	Normal navigation without breaking	Nema traffic	Nessun traffico	Nel navigazio	Kuģošana ir aizliegta	Normal prastavių laivyba
C	navigational possible for motor vessels with more than 0,74 kW (1 hp)	Корабовање за моторни бродови са више од 0,74 kW (1 hp)	Normal navegação possível para embarcações com mais de 0,74 kW	Skibsfart muligt med end 0,74 kW	Schifffahrt möglich für Motorschiffe mit 0,74 kW	Motorliiklus võimalik 0,74 kW võimsusega	Κανονική πλοήγηση για μηχανικά σκάφη με ισχύ άνω των 0,74 kW	Normal navigation possible for motor vessels with more than 0,74 kW (1 hp)	Normal navigační	Plovidba dovoljno moguća	Normal navigazione	Kuģošana ir iespējama	Normal prastavių laivyba

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	per 2 tons	к.с. на тон	(1cv) por 2 toneladas	na 2 tuny ladas	(1 HK) pr. 2 tons			(1 hp) ανά 2 κόρους	(1 ch) par 2 tonnes		per 2 tonne	(1 CV) uz 2 tonnām	2 tonoms
D	navigable possible for motor vessels with more than 0,74 kW (1 hp) per ton	Κοραβία възмож за с над 1 к.с. на тон	Navigable posible para embarca ciones con más de 0,74 Kw (1cv) por tonelada	na 2 tuny ladas pro motori zadas s výkon od 0,74 kW (1 ks) na tunu ladu	(1 HK) pr. 2 tons mulig for motor både med en end 0,74 Kw (1 HK) pr. ton	Schiff möglich für Motors både 0,74 kW (1 PS) pro Tonne	Schiff möglich für Motors både 0,74 kW (1 PS) pro Tonne	Motor vessels with more than 0,74 kW (1 hp) per ton	Κοραβία με πλεον σκάφη ισχύος άνω των 0,74 kW (1 hp) ανά κόρο	Plovila za vo ila s avtom atizaci je snage veće od 0,74 KW (1 t per tonne	transito possibile per motor navi con poten za super a 0,74 KW (1 hp) per tonne	Kuģoš iespē jams ar motor kuģu jauda ar ne kā W74 W/w (1 hp) tonai	Šau vyba leidži ama kurį gali yra dides nė nei 0,74 kW (1 hp) tonai
E	navigable possibilities remain constant	Βοηθή μια κόραβ α προ με νι	Posibil idades de navega ción estables	plavbe podm injal nuv sej mulig heder	ingen hind r bleib en gleich sej mulig heder	heutige Eisbre ch bleib en gleich sej mulig heder	Navigation möglich für Motors både 0,74 kW (1 PS) pro Tonne	Κοραβία με πλεον σκάφη ισχύος άνω των 0,74 kW (1 hp) ανά κόρο	Plovila za vo ila s avtom atizaci je snage veće od 0,74 KW (1 t per tonne	transito possibile per motor navi con poten za super a 0,74 KW (1 hp) per tonne	Kuģoš iespē jams ar motor kuģu jauda ar ne kā W74 W/w (1 hp) tonai	Šau vyba leidži ama kurį gali yra dides nė nei 0,74 kW (1 hp) tonai	
G	navigable possibilities may deteriorate rapidly	Βοηθή μια κόραβ α προ με νι	Posibil idades de navega ción estables	plavbe podm injal nuv sej mulig heder	ingen hind r bleib en gleich sej mulig heder	heutige Eisbre ch bleib en gleich sej mulig heder	Navigation möglich für Motors både 0,74 kW (1 PS) pro Tonne	Κοραβία με πλεον σκάφη ισχύος άνω των 0,74 kW (1 hp) ανά κόρο	Plovila za vo ila s avtom atizaci je snage veće od 0,74 KW (1 t per tonne	transito possibile per motor navi con poten za super a 0,74 KW (1 hp) per tonne	Kuģoš iespē jams ar motor kuģu jauda ar ne kā W74 W/w (1 hp) tonai	Šau vyba leidži ama kurį gali yra dides nė nei 0,74 kW (1 hp) tonai	
H	no navigation but no obstruction	Κοραβία προ με νι	Navigable posible para embarca ciones con más de 0,74 Kw (1cv) por tonelada	na 2 tuny ladas pro motori zadas s výkon od 0,74 kW (1 ks) na tunu ladu	(1 HK) pr. 2 tons mulig for motor både med en end 0,74 Kw (1 HK) pr. ton	Schiff möglich für Motors både 0,74 kW (1 PS) pro Tonne	Schiff möglich für Motors både 0,74 kW (1 PS) pro Tonne	Κοραβία με πλεον σκάφη ισχύος άνω των 0,74 kW (1 hp) ανά κόρο	Plovila za vo ila s avtom atizaci je snage veće od 0,74 KW (1 t per tonne	transito possibile per motor navi con poten za super a 0,74 KW (1 hp) per tonne	Kuģoš iespē jams ar motor kuģu jauda ar ne kā W74 W/w (1 hp) tonai	Šau vyba leidži ama kurį gali yra dides nė nei 0,74 kW (1 hp) tonai	
M	navigable possible with the aid of ice breakers	Κοραβία възмож са мо с лед оре прис посо бления	Navigable posible para embarca ciones con más de 0,74 Kw (1cv) por tonelada	na 2 tuny ladas pro motori zadas s výkon od 0,74 kW (1 ks) na tunu ladu	(1 HK) pr. 2 tons mulig for motor både med en end 0,74 Kw (1 HK) pr. ton	Schiff möglich für Motors både 0,74 kW (1 PS) pro Tonne	Schiff möglich für Motors både 0,74 kW (1 PS) pro Tonne	Κοραβία με πλεον σκάφη ισχύος άνω των 0,74 kW (1 hp) ανά κόρο	Plovila za vo ila s avtom atizaci je snage veće od 0,74 KW (1 t per tonne	transito possibile per motor navi con poten za super a 0,74 KW (1 hp) per tonne	Kuģoš iespē jams ar motor kuģu jauda ar ne kā W74 W/w (1 hp) tonai	Šau vyba leidži ama kurį gali yra dides nė nei 0,74 kW (1 hp) tonai	

K	navigable possible in convoy or towage	Корабъ възмож въ с буксир	Navagabile posibile je convoye remolcat za sebou nebo ve vlečné sestavě	Skibsfart mulig konvoj eller slæb	Fahrt im Konvo joder Schlepp möglich	Fahrt im Konvo joder Schlepp möglich	Navigation võimal kolonn või puukse nides	Navigation võimal kolonn või puukse nides	Navigation võimal kolonn või puukse nides	Plovitba u ili u teglju avec remorqueur	Navigation guç possible in convog lio, o in traino	Kuğuş ilespēja karavā velkot tauvā	Įnvyba gali arba su vilkiku
T	navigable possibilities may improve rapidly	Возмож ности рзко улучши ются условия за корабл плаване	Posibil idades de navega ción pueden mejoraz rápidam ente	Sejlmul tykan hurtigt uforbed schne ll	Fahrt kann sich schnel verbess ern	Fahrt kann sich schnel verbess ern	Navigation võimal kolonn või puukse nides	Navigation võimal kolonn või puukse nides	Navigation võimal kolonn või puukse nides	Plovitba u ili u teglju avec remorqueur	Navigation guç possible in convog lio, o in traino	Kuğuş ilespēja karavā velkot tauvā	Įnvyba gali arba su vilkiku
P	inland ports can hardly be reached	Речни приста на трудно достъп ни	Puerto casi jso nace sible dos ažitel né	Sejlmul tykan hurtigt uforbed schne ll	Fahrt kann sich schnel verbess ern	Fahrt kann sich schnel verbess ern	Navigation võimal kolonn või puukse nides	Navigation võimal kolonn või puukse nides	Navigation võimal kolonn või puukse nides	Plovitba u ili u teglju avec remorqueur	Navigation guç possible in convog lio, o in traino	Kuğuş ilespēja karavā velkot tauvā	Įnvyba gali arba su vilkiku
V	no navigation allowed	Препя на трудно достъп ни	Navagabile prohibi ta	Sejlmul tykan hurtigt uforbed schne ll	Fahrt kann sich schnel verbess ern	Fahrt kann sich schnel verbess ern	Navigation võimal kolonn või puukse nides	Navigation võimal kolonn või puukse nides	Navigation võimal kolonn või puukse nides	Plovitba u ili u teglju avec remorqueur	Navigation guç possible in convog lio, o in traino	Kuğuş ilespēja karavā velkot tauvā	Įnvyba gali arba su vilkiku
X	navigable in convoy compulsory	Возмож ности рзко улучши ются условия за корабл плаване	Posibil idades de navega ción pueden mejoraz rápidam ente	Sejlmul tykan hurtigt uforbed schne ll	Fahrt kann sich schnel verbess ern	Fahrt kann sich schnel verbess ern	Navigation võimal kolonn või puukse nides	Navigation võimal kolonn või puukse nides	Navigation võimal kolonn või puukse nides	Plovitba u ili u teglju avec remorqueur	Navigation guç possible in convog lio, o in traino	Kuğuş ilespēja karavā velkot tauvā	Įnvyba gali arba su vilkiku

Value	HU	MT	NL	PL	PT	RO	SK	SL	FI	SV	RU	SR
A	normális szokásos hajózás	naviga- ciosa normal	Schip- vaart normal	pragm- atyczny normal	pragm- atyczny normal	Navega- ție normal	pragm- atic plavba	pragm- atic plovba	alusliik- sõidart	Normal- sjöfart	Нормал- условия для судоходства	Нормална видба
B	hajózás még	naviga- ciosa ghadha	Schip- vaart haonderv- nog	pragm- atyczny jeszcze	pragm- atyczny jeszcze	Navega- ție posibilă	pragm- atic aște- pte	pragm- atic je še	alusliik- sõidart ei	Normal- sjöfart obehind- rad	Нормална условия для судоходства	Нормална видба

	nem korlátozott	mhux fixk	geen hinder	bez przeszkód			nie je obmedzená	vedno možna	vieliä esteitä			уек могућа
F	jelentőse hajóforgalom	stabil traffiku	Scheep gering	nie natężenia żegluga	Tráfég líneiro	trafic scăzut	slabá premáv	malo krometa	vähäin alusliik	Enäg joutrafik	низкий удопотреб	Слаб саобраћај
L	jégtörő hajózás tilalom	őbda navigáció szigorú tilalom	Geen zorg bitandien hijet wordt gebroken	żegluga tylko w asyście lodziar angaz	Navegação impossível sem fără dispoziții de spargere a ghetii	acção navegação inaltamente fără dispoziții de spargere a ghetii	zákaz plavby bez ledoboru	plovba ei brez ledolom nia dovoljena	alusliik ilman jäänmuut silyistä	Ingen sjöfart utan mynting	плавание только под ледоколом средств	Нема пловидбе без мотора и льда
C	hajózás csak géphajók minimálisan 0,74 kW 2 tonnával	navigáció szigorú tilalom	Zorg bitandien hijet wordt gebroken	żegluga tylko w asyście lodziar angaz	Navegação impossível sem fără dispoziții de spargere a ghetii	acção navegação inaltamente fără dispoziții de spargere a ghetii	zákaz plavby bez ledoboru	plovba ei brez ledolom nia dovoljena	alusliik ilman jäänmuut silyistä	Ingen sjöfart utan mynting	плавание только под ледоколом средств	Нема пловидбе без мотора и льда
D	hajózás csak géphajók minimálisan 0,74 kW 2 tonnával	navigáció szigorú tilalom	Zorg bitandien hijet wordt gebroken	żegluga tylko w asyście lodziar angaz	Navegação impossível sem fără dispoziții de spargere a ghetii	acção navegação inaltamente fără dispoziții de spargere a ghetii	zákaz plavby bez ledoboru	plovba ei brez ledolom nia dovoljena	alusliik ilman jäänmuut silyistä	Ingen sjöfart utan mynting	плавание только под ледоколом средств	Нема пловидбе без мотора и льда
E	hajózás feltétel állandósított	szigorú tilalom	Huidig geen hinder	bez przeszkód			nie je obmedzená	vedno možna	vieliä esteitä			уек могућа



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		navigační jibqghu kostanti	zbytní hetzef fornian	bez dorian	navegação estável constant	amân constant	zostáva to vnače nespremenjena	apstaja premenjena		без изменен ий	остају нотий
G	a hajózási lehetőse gyorsan változhat jiddeter rapidament	il-possibillit għek snell għetgħu jiddeter rapidament	Vaarmogelijk kan snel veranderen jiddeter rapidament	możliwość gwałtownego poprawy warunków żegludzenia se	Básisibip de navegação podem se deteriorar rapidamente	podsi de navegação podem se deteriorar rapidamente	plavba podmieniť sa môžu rýchlo zhoršiť	plavba nemôže sa lahko hitro poslabša	alusliik kan huonoma nopeasti sinnabbi	Enge kan huonoma nopeasti sinnabbi	harv kõrge kiirusega sõitmine plavamine погоршати
H	hajózási akadály ellenézés nincs	sebda mavengas ebda ostaklugestren	Geen snel maar niet zakluge stremmen	żegluga przerwana mimo braku żegluga	Navegação impossível mas não há obstrução	plavba ne môže prejsť bez prekážok	plavba ni dovoljen ne prekážky ovir	alusliik ei nikkeimen estettä blockeri	Ingen sjöfart ingen blockering	судоход нет, но движение препращено	Нема плavidбе, нема препрека препращено
M	hajózási jégtörő lehetősé tkissir tas-silg	navigáció lehetőse għetgħu t-kissir tas-silg	Sihet bħet ijsbrekers mogelijk lodo	możliwość żegludzenia w konwoju lub holownikiem	Navegação possível com assistência de quebra-gelos	plavba este posibilă cu ajutorul spargătoarelor	plavba možná s pomocou ľadobro čiar	alusliik mahdoll jäänmurtaj vulla hjälp av isbrytare	Sjöfart kan hjulig tecken av isbrytare	плавание под проводкой ледоколов средств разрешено	Не могу ха у ломца разрешено
K	hajózási kötelék vagy f'konvo vontatva lehetőség ta' rmonkar	navigáció lehetőse għetgħu t-kissir tas-silg	Via bħet konvo of sleep mogelijk holownikiem	możliwość żegludzenia w konwoju lub holownikiem	Navegação possível com assistência de quebra-gelos	plavba este posibilă cu ajutorul spargătoarelor	plavba možná s pomocou ľadobro čiar	alusliik mahdoll jäänmurtaj vulla hjälp av isbrytare	Sjöfart kan hjulig tecken av isbrytare	движение в составе или с буксиром теглене составе	Не могу ха у ломца разрешено
T	hajózási lehetőse gyorsan javulhat jiddeter rapidament	il-possibillit għek snell għetgħu jiddeter rapidament	Vaarmogelijk kan snel veranderen jiddeter rapidament	możliwość gwałtownego poprawy warunków żegludzenia se	Básisibip de navegação podem se deteriorar rapidamente	podsi de navegação podem se deteriorar rapidamente	plavba podmieniť sa môžu rýchlo zhoršiť	plavba nemôže sa lahko hitro poslabša	alusliik kan huonoma nopeasti sinnabbi	Enge kan huonoma nopeasti sinnabbi	harv kõrge kiirusega sõitmine plavamine погоршати
P	belvizi kikötők alig l- elérhető interni	difficili qan l- interni	Binnen pauwel bereikbaar do portów śródlądowych	hyväns liik in inaccessi poate foarte dificil	Pontos de acesso portuários inacessíveis poate foarte dificil	accesul porturilor inaccesibile poate foarte dificil	lnútro pristaviť so ťažko dosiahnuť	zavážke pristaviť so ťažko dosiahnuť	vaieka sisästä sisästä sisästä	Inlands mycket svår port tillgänglig tillgänglig tillgänglig	Речне луке не доступны порт доступны трудно
V	hajózási tilalom projbita	navigáció lehetőse għetgħu t-kissir tas-silg	Via bħet konvo of sleep mogelijk holownikiem	możliwość żegludzenia w konwoju lub holownikiem	Navegação proibida com assistência de quebra-gelos	plavba zakázaná s pomocou ľadobro čiar	plavba neprevádzkovaná s pomocou ľadobro čiar	alusliik ei nikkeimen estettä blockeri	Enge kan huonoma nopeasti sinnabbi	навигация запрещена навигация запрещена	Не могу ха у ломца разрешено

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						este permisă							
X	hajózási- csak kötelező engedély	sin- naviga- ziyon konvojs hijazett obligatorja	Verplicht konvojs obligatorja	chłowią w konwojach	Obligat em konwoj obligatorie	obligat convoie obligatorie	obligat plavba zostave	obligat plovba konvojih	obvezna kytke pakollista	obligat konvoj sostavica	obligat konvoj sostavica	обавезна у состави	обавезна у состави

## ICE CLASSIFICATION CODE

Value	EN	BG	ES	CS	DA	DE	ET	EL	FR	HR	IT	LV	LT
A	navigable	Освободен кораб	Navigable кораб	plavny sejlad	hindret sejlad	befahrbar	Navigable sejlad	Εύκολο πλοίο	navigable πλοίο	Plovidba πλοίο	nonnavigable πλοίο	abīlgojams kuģis	Laivyba beveik kliūčių
B	fairly navigable	Умерено судоходен	Razonable судоходен	plavny sejlad	hindret sejlad	befahrbar	Navigable sejlad	Εύκολο πλοίο	navigable πλοίο	Plovidba πλοίο	nonnavigable πλοίο	abīlgojams kuģis	Laivyba beveik kliūčių
C	navigable with difficulty	Безрудно судоходен	Navigable судоходен	plavny sejlad	hindret sejlad	befahrbar	Navigable sejlad	Εύκολο πλοίο	navigable πλοίο	Plovidba πλοίο	nonnavigable πλοίο	abīlgojams kuģis	Laivyba beveik kliūčių
D	navigable only with great difficulty	Освободен судоходен	Navigable судоходен	plavny sejlad	hindret sejlad	befahrbar	Navigable sejlad	Εύκολο πλοίο	navigable πλοίο	Plovidba πλοίο	nonnavigable πλοίο	abīlgojams kuģis	Laivyba beveik kliūčių
E	no navigation allowed	Препятствено судоходен	Navigable судоходен	plavny sejlad	hindret sejlad	befahrbar	Navigable sejlad	Εύκολο πλοίο	navigable πλοίο	Plovidba πλοίο	nonnavigable πλοίο	abīlgojams kuģis	Laivyba beveik kliūčių

## ICE CLASSIFICATION CODE

Value	HU	MT	NL	PL	PT	RO	SK	SL	FI	SV	RU	SR
A	hajózható	navigabel	Ged bevaarbaar	żeglowny	Navigabel	navigabel	plavny	plovno	Kulkuks	Εύκολο	Беспрепятственное судоходство	Потешное судоходство
B	teljes mértékű hajózható	pjuttost navigabel	Vrij ged bevaarbaar	dość żeglowny	Razoav navigabel	conditio plavny	plovno	dobro	melko kulkuk	Relativ Εύκολο	Потешное судоходство	Потешное судоходство
C	nehézség hajózható	navigabel	Moeilijk ged bevaarbaar	trudno żeglowny	Navigabel dificil	conditio plavny	plovno	teško	hankala kulkuk	Stårframt Εύκολο	Потешное судоходство	Потешное судоходство
D	nagyon nehézség hajózható	navigabel	Zeer moeilijk ged bevaarbaar	trudno żeglowny	Navigabel dificil	conditio plavny	plovno	teško	erittäin hankala	Mycket Stårframt Εύκολο	Потешное судоходство	Потешное судоходство

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		b'hafna diffikultà	dużymi trudnościami	mare dificultà	veľkými ťažkosťami				велике потешко́не
E	hajózasinavigáció tilalomprojbita	Zpovědnost žeglugaiprobida	Navigáció tilalomprojbita	cau este permisă	plavby prepoveď plavby	plovba alusiikbng allittuailäten	sjöfart forbud	судоходство запрещене	Достоінство дозво́лена

Value	Thickness	Test	BG	ES	CS	DA	DE	ET	EL	FR	HR	IT	LV	LT
A	—	clear water	Чиста вода	Aguas volantes normal	Isfrit farvan	offenes Wasser	es selge	Υδατο άνευ πάγου	Eaux normales	Vodni bez leda	acqua normale	brīvs ledens	Ledo nēra	
B	0 — 4 cm	light spread floating ice	Разпротавлен лед	Hielo flotante ligero disperso	Let ledova trīst' spredt drivis	Treibereis	kerget leviv triivjää	Ελαφρύ διασκορπισμένο επιπλέοντος πάγου	glaces dispersées	Slabo razporejeni plutajući ledeni	leggeri ghiaccio sparsi	rozklaidēti galēgie ledus	Plonas pasklidęs plūduriojantis ledas	
C	0 — 4 cm	light floating ice	Ряды лаванг лед	Hielo flotante ligero	slabá ledová trīst'	Let drivis	leichtes Treibeis	kerget triivjää	Ελαφρύ επιπλέοντος πάγου	glaces légères flottantes	Tanaka leggers plutajući ledeni	ghiaccio leggero galleggianti	plāns peldošie ledus	Plonas plūduriojantis ledas
D	0 — 4 cm	light solid ice	Слабозаледан лед	Hielo sólido ligero	slabý ledový	Tynd fast is	leichtes Eis	kerget tahke jää	Ελαφρύ επιπλέοντος πάγου	glaces légères solides	Tanaka leggers solido plutajući ledeni	ghiaccio solido galleggianti	plāna ledus ištisinis	Plonas ištisinis ledas
E	4 — 8 cm	medium spread floating ice to 40 % covered	Средне распространённый лед (до 40 % покрыт)	Hielo flotante disperso medioledová (trīst', pokrytá) cubre do 40 %	středně silná rozptýlená ledová trīst', pokrytá do 40 %	Middle driven lopá 40 % eisbedekket	hvitelstretet 40 % kuni eisbedekket	kerget jään kuni kattuvuus 40 %	Μέτριο πάχους διασκορπισμένο επιπλέοντος που καλύπτουν επιφάνεια 40 %	glaces moyennes dispersées couvrant 40 %	Srednje razporejeni plutajući ledeni do 40 % pokrivaju površinu 40 %	ghiaccio medio disperso galleggianti di spessore medio con copertura fino al 40 %	vidutinio storiobiezs peldošie ledus (dengia iki 40 % paviršiaus) virsmas	Vidutinio storio pasklidęs plūduriojantis ledas (dengia iki 40 % paviršiaus) virsmas
F	4 — 8 cm	medium spread floating ice to 40 % covered	Средне распространённый лед (40 % — 75 % покрыт)	Hielo flotante disperso medioledová (trīst', pokryti) cubre entre 40 % y un 75 %	středně silně rozptýlená ledová trīst', pokrytá do 40 % do 75 %	Middle driven lopá 40-75 % eisbedekket	hvitelstretet 40-75 % kuni eisbedekket	kerget jään kattuvuus 40-75 %	Μέτριο πάχους διασκορπισμένο επιπλέοντος που καλύπτουν επιφάνεια 40 %	glaces moyennes dispersées couvrant 40 à 75 %	Srednje razporejeni plutajući ledeni do 40 % pokrivaju površinu 40-75 %	ghiaccio medio disperso galleggianti di spessore medio con copertura tra 40 % e 75 %	vidutinio storiobiezs peldošie ledus (dengia iki 40-75 % paviršiaus) virsmas	Vidutinio storio pasklidęs plūduriojantis ledas (dengia iki 40-75 % paviršiaus) virsmas

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									έως 75 %		e 75 %			
G	4 — 8 cm	medium floating ice more than 75 % in sludge or lead	Плава ед със средна дебел покри над 75 %	Hielo flotante medioroz que cubre más del 75 % del canal	silná drvis rozptyl ledová tríšť, 75 % pokrytí vice než 75 %	Middel drvis aan end 75 % dækket	schwerm Treibere als Rinne eisbed jääval	schwerm Treibere als Rinne eisbed jääval	μέτριοι πάχους επιφαν πάγος καλύπτ επιφαν του του διαύλου	glace moyenne flottante dispers plus ve od 75 % chenal	Srednj for staja leds pokriva veća od 75 %	ghiaccio galleggi spesso costituit per più del 75 % da fram o canale ricoperto da frammenti	videti bians peldo moito unkā 75 % ūdens virsmā klāta vižņie tarpas tarp ledu	Vidutinio istorio slūdiri uojantis ledas (daugiau kaip 75 % sudaro mažas) arba vandens tarpas tarp ledų
H	4 — 8 cm	medium vast ice	Средн дебел твърд лед	Hielo compac mediope vnýis led	silná fast pevný is led	Middel fast Eis	schwerm festes rüsij Eis	schwerm festes rüsij Eis	μέτριοι πάχους εκτετα πάγος	glace moyenne santa leda	Srednj kadi spesso medio fisso	ghiaccio bienz spesso medio fisso	videti biezs blīvs ledus	Vidutinio istorio ištinis ledas
K	8 — 12 cm	heavy spread floating ice to 40 % covered	Дебел плава ед (до 40 % покри un 40 %	Hielo flotante pesad dispers tríšť, til pokrytí hasta 40 % un 40 %	silná rozptyl ledová tríšť, til pokrytí 40 %	Svær tråis 40-75 % dækket	schwerm zerstre Treibere 40 % eisbed 40 %	schwerm zerstre Treibere 40 % eisbed 40 %	μέτριοι πάχους επιφαν επιφαν σε έκτα 40 %	glace moyenne flottante dispers jusqu' 40 %	Dobro formir staja leds pokriva 40 %	ghiaccio spesso con led fino al 40 % 40 % 40 %	biezs izklaid pauks ledus lidz 40 % ūdens virsmas	Storas pauks slūdiri uojantis ledas (dengia iki 40 % paviršiaus)
L	8 — 12 cm	heavy spread floating ice to 40 % covered	Дебел плава ед (40 % покри un 40 % covered	Hielo flotante pesad dispers tríšť, til pokrytí entre un 40 % y un 75 %	silná rozptyl ledová tríšť, til pokrytí 40 % 75 %	Svær tråis 40-75 % dækket	schwerm zerstre Treibere 40 % eisbed 75 %	schwerm zerstre Treibere 40 % eisbed 75 %	μέτριοι πάχους επιφαν επιφαν σε έκτα 40 % έως 75 %	glace moyenne flottante dispers 40 à 75 %	Dobro formir staja leds pokriva 40 % 40 % 40 %	ghiaccio spesso con led compre tra il 40 % e il 75 %	biezs izklaid pauks ledus lidz 40 % ūdens virsmas	Storas pauks slūdiri uojantis ledas (dengia 40- 75 % paviršiaus)
M	8 — 12 cm	heavy dense floating ice with more	Дебел плътн ед с вероя за	Hielo flotante pesad denso tríšť con más vice	těžká tlacem pakke drvis mere end	Svær pakke drvis mere end	schwerm zusamm Freibe mit mehr als	schwerm zusamm Freibe mit mehr als	μέτριοι πάχους επιφαν επιφαν σε έκτα 40 % έως 75 %	glace dense flottante dispers 75 %	Debel desante leda, 75 % ambogu piše zaledi valja	ghiaccio spesso galleggi con led più sabli veidos	loti blīvs pauks ledus, īo angu liacijs šūnys	Storas tankus slūdiri uojantis ledas, įo angu liacijs šūnys

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		than 75 % chance on coagulation	заледяване над 75 % de cuajar	дебел 75 % de posibil de cuajar	než 75 % možn idage fast	75 % dække sik fastfrysning	75 % Gefahr für Damm bildung	kui 75 % pak Treib eis als 75 % Klein eis Rinne heute gebrochen	πήξη άνω του 75 % Bαρύ μερό πορ επιπ καυ σε επιφ υπό 75 % του διαύλου	de 75 % et chance de coagulation		75 % di probab di addensamento	iespē vairāk biķā 75 % to	idesnē 75 % to
P	8 — 12 cm	heavy floating ice with more than 75 % in sludge or lead currently broken sludge	Дебел льотан лед покрив над 75 % или току ещо разби лед abiert	Hielo flotante pesado cubre más del 75 % plave del canal reciente abierto	těžká ledová držišť, pokrytá více než 75 %, sejl dráha dnes prolomená	Svær drivis mere 75 % dækket sejl brudt for tolmølig	schwer Treib eis als 75 % Klein eis Rinne heute gebrochen	pak Treib eis als 75 % Klein eis Rinne heute gebrochen	Βαρύ μερό πορ επιπ καυ σε επιφ υπό 75 % του διαύλου	glace lourdes flottante sante ou 75 % de chance de coagulation		75 % di probab di addensamento	iespē vairāk biķā 75 % to	idesnē 75 % to
R	8 — 12 cm	heavy vast ice	Дебел твърд лед	Hielo compacto pesado	těžký ledový držišť, pokrytá více než 75 %, sejl dráha dnes prolomená	Svær drivis mere 75 % dækket sejl brudt for tolmølig	schwer Treib eis als 75 % Klein eis Rinne heute gebrochen	pak Treib eis als 75 % Klein eis Rinne heute gebrochen	Βαρύ μερό πορ επιπ καυ σε επιφ υπό 75 % του διαύλου	glace lourdes flottante sante ou 75 % de chance de coagulation		75 % di probab di addensamento	iespē vairāk biķā 75 % to	idesnē 75 % to
S	> 12 cm	very heavy floating ice en solid ice nearly 100 % covered	Много дебел глав твърд лед покрив почти 100 % covered	Hielo flotante muy pesado sólido casi 100 % cubierto	těžká ledová držišť, pokrytá více než 75 %, sejl dráha dnes prolomená	Svær drivis mere 75 % dækket sejl brudt for tolmølig	schwer Treib eis als 75 % Klein eis Rinne heute gebrochen	pak Treib eis als 75 % Klein eis Rinne heute gebrochen	Βαρύ μερό πορ επιπ καυ σε επιφ υπό 75 % του διαύλου	glace lourdes flottante sante ou 75 % de chance de coagulation		75 % di probab di addensamento	iespē vairāk biķā 75 % to	idesnē 75 % to
U	> 40 cm	ice dam or drifting ice	Леден преграда или группа плавающих льдов	Barrera de hielo o grupo de hielo a la deriva	těžká ledová držišť, pokrytá více než 75 %, sejl dráha dnes prolomená	Svær drivis mere 75 % dækket sejl brudt for tolmølig	schwer Treib eis als 75 % Klein eis Rinne heute gebrochen	pak Treib eis als 75 % Klein eis Rinne heute gebrochen	Βαρύ μερό πορ επιπ καυ σε επιφ υπό 75 % του διαύλου	glace lourdes flottante sante ou 75 % de chance de coagulation		75 % di probab di addensamento	iespē vairāk biķā 75 % to	idesnē 75 % to
O	—	disappearing (pap) ice no	Леден преграда или группа плавающих льдов	Barrera de hielo o grupo de hielo a la deriva	těžká ledová držišť, pokrytá více než 75 %, sejl dráha dnes prolomená	Svær drivis mere 75 % dækket sejl brudt for tolmølig	schwer Treib eis als 75 % Klein eis Rinne heute gebrochen	pak Treib eis als 75 % Klein eis Rinne heute gebrochen	Βαρύ μερό πορ επιπ καυ σε επιφ υπό 75 % του διαύλου	glace lourdes flottante sante ou 75 % de chance de coagulation		75 % di probab di addensamento	iespē vairāk biķā 75 % to	idesnē 75 % to

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		longer obstruction	переправы препятствия препятствия	funding финансирования финансирования	žejž препятствия препятствия			mitte takista	прокол талоу εμπόδια			sciogli nessun ostruzione	mekaniz laugosad mekanizmas	mesudarantis sudarantis
V	—	naviga interrupted	Kion interrupted	Navag interrupted	Skib indstillet	Flot indstillet	Flot indstillet	Arv indstillet	Arv indstillet	Arv indstillet	Arv indstillet	Arv indstillet	Arv indstillet	Arv indstillet

## ICE CONDITION CODE

Value	Thick	ES	MT	NL	PL	PT	RO	SK	SL	FI	SV	RU	SR
A	—	jégmen víz	lisa nadif	Open water	woda otwart	Água divre	fără gheață	voľná voda	brez ledu	avoves vatten	Öppet vatten	чистая вода	Водни пут без леда
B	0 — 4 cm	vékony szórva jégtábla f'wic l- ilma	ftit silg f'wic l- ilma	Licht verspre drijfij skra	rozpro cienka lodge lodge	Gelo flutuan ligeiro dispers	gheață subțire plutitoare dispersată	ľadová subtíreš plutovať dispers	plavajo led	ohutta rikkon ajojää rivis	Lätt sitt rivis	малая плаву лед	Граб форман танки плута леди
C	0 — 4 cm	vékony jégtábla f'wic l- ilma	ftit silg f'wic l- ilma	Licht drijfij skra	cienka lodge lodge	Gelo flutuan ligeiro dispers	gheață subțire plutitoare dispersată	ľadová subtíreš plutovať dispers	plavajo led	ohutta rikkon ajojää rivis	Lätt sitt rivis	редкий плаву лед	Танак чипу леди
D	0 — 4 cm	könny beállt jég	ftit silg solidu	Licht vast ijs	cienka pokry lodge	Gelo compa digeiro	gheață subțire plutitoare dispers	ľadová subtíreš plutovať dispers	plavajo led	ohutta kiinto jääs	Lätt sitt rivis	малый леди	Тонкий сло леда
E	4 — 8 cm	közepes szórva jégtábla 40 % ig jégfed f'wic l- ilma sa kopertu ta' 40 %	csomón medju verspre drijfij skra 40 % grub bedekt pokry cáé 40 %	Middel verspre drijfij skra 40 % grub bedekt pokry cáé 40 %	hova flutuan medju lodge 40 % grub bedekt pokry cáé 40 %	Gelo flutuan medju lodge 40 % grub bedekt pokry cáé 40 %	gheață subțire plutitoare dispers 40 % grub bedekt pokry cáé 40 %	ľadová subtíreš plutovať dispers 40 % grub bedekt pokry cáé 40 %	plavajo led	ohutta kiinto jääs	Lätt sitt rivis	средний леди	Средне форман танки плута леди
F	4 — 8 cm	közepes szórva jégtábla 40 % ig jégfed f'wic l- ilma sa kopertu ta' 40 %	csomón medju verspre drijfij skra 40 % grub bedekt pokry cáé 40 %	Middel verspre drijfij skra 40 % grub bedekt pokry cáé 40 %	hova flutuan medju lodge 40 % grub bedekt pokry cáé 40 %	Gelo flutuan medju lodge 40 % grub bedekt pokry cáé 40 %	gheață subțire plutitoare dispers 40 % grub bedekt pokry cáé 40 %	ľadová subtíreš plutovať dispers 40 % grub bedekt pokry cáé 40 %	plavajo led	ohutta kiinto jääs	Lätt sitt rivis	средний леди	Средне форман танки плута леди

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		közötti’ wicé jégfedettséggel ilma b’kopertura ta’ bejn 40 % u 75 %	75 % bedekt do 75 %	pokryci 40 do 75 %	40 % a 75 %	40 % până la 75 %	pokrytie od 40 do 75 %	40– 75 %		(40 % 70 %)	40 do 75 %
G	4 — 8 cm	közepes jégtablák több mint 75 %- ban kásajég vagy jégmentes sávokból	esammon lékdu ta’ met silg f’wicé l- kát b’akt mentes 75 % minnu hama jew ftuh fis- silg	Middel drijf ijs met meer dan in geul of slop	Zwaar slodowa średni grubość pokrycia powyżej 75 % kanał huda esteira	Gelo flutuante medie plutito rozptyle ad pâna la 75 %	gheață medie plutito rozptyle ad pâna la 75 %	stredne silná debel ajojáat pridd léd formiran putajuhi ne veha 75 %	keskirak ajojáat pridd léd formiran putajuhi ne veha 75 %	Medel ajojáat pridd léd formiran putajuhi ne veha 75 %	työvä ajojáat pridd léd formiran putajuhi ne veha 75 %
H	4 — 8 cm	közepes beállt jég	esilg vast medju ijs	Middel vast drijf ijs	Zwaar slodowa średni grubość	Gelo flutuante medie plutito rozptyle ad pâna la 75 %	gheață medie plutito rozptyle ad pâna la 75 %	stredne silná debel ajojáat pridd léd formiran putajuhi ne veha 75 %	keskirak ajojáat pridd léd formiran putajuhi ne veha 75 %	Medel ajojáat pridd léd formiran putajuhi ne veha 75 %	työvä ajojáat pridd léd formiran putajuhi ne veha 75 %
K	8 — 12 cm	vastag szórva jégtablák 40 %- os jégfedettséggel ilma b’kopertura ta’ 40 %	hafna silg verspre drijf ijs met meer dan in geul of slop	Zwaar slodowa średni grubość	Gelo flutuante medie plutito rozptyle ad pâna la 75 %	gheață medie plutito rozptyle ad pâna la 75 %	stredne silná debel ajojáat pridd léd formiran putajuhi ne veha 75 %	keskirak ajojáat pridd léd formiran putajuhi ne veha 75 %	Medel ajojáat pridd léd formiran putajuhi ne veha 75 %	työvä ajojáat pridd léd formiran putajuhi ne veha 75 %	työvä ajojáat pridd léd formiran putajuhi ne veha 75 %
L	8 — 12 cm	vastag szórva jégtablák 40 %- os jégfedettséggel ilma b’kopertura ta’ 40 %	hafna silg verspre drijf ijs met meer dan in geul of slop	Zwaar slodowa średni grubość	Gelo flutuante medie plutito rozptyle ad pâna la 75 %	gheață medie plutito rozptyle ad pâna la 75 %	stredne silná debel ajojáat pridd léd formiran putajuhi ne veha 75 %	keskirak ajojáat pridd léd formiran putajuhi ne veha 75 %	Medel ajojáat pridd léd formiran putajuhi ne veha 75 %	työvä ajojáat pridd léd formiran putajuhi ne veha 75 %	työvä ajojáat pridd léd formiran putajuhi ne veha 75 %

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			u 75 %										
M	8 — 12 cm	vastag jégtáblák több mint 75 %- os, torlasz veszély	hafna silg f'wicc l- ilma b'aktar minn li jaghqad	Zwaar drijfij met meer dan 75 % kans op 75 % vorming a	gruba skra lodowa pokrycie powyż 75 %, de możliwość koagulacji	Gelo flutuan pesadopl com probabil de możliwość koagulacji	gheață plutitoare dispers acoperind mult creșterea șanse de îngheț	silná plavaj rozptý led pokrit večja od 75 %, hy stamping	raskast jock fastis léd velike gustine, sa 75 % аеро пла заторо	Tätt samm arivis, 75 % risk stamping	очень сплош лёд, более 75 % ая аеро пла заторо	Плута й велике густине, са 75 % пла заторо	
P	8 — 12 cm	vastag jégtáblák több mint 75 %- os fedetts ma tört hajózó	hafna silg f'wicc l- ilma b'aktar minn li jaghqad	Zwaar drijfij met meer dan 75 % kans op 75 % vorming a	gruba skra lodowa pokrycie powyż 75 %, de możliwość koagulacji	Gelo flutuan pesadopl com probabil de możliwość koagulacji	gheață plutitoare dispers acoperind mult creșterea șanse de îngheț	silná plavaj rozptý led pokrit večja od 75 %, hy stamping	raskast jock fastis léd velike gustine, sa 75 % аеро пла заторо	Tätt samm arivis, 75 % risk stamping	очень сплош лёд, более 75 % ая аеро пла заторо	Плута й велике густине, са 75 % пла заторо	
R	8 — 12 cm	vastag beállt jég	silg vast qawwijs	Zwaar vast wiijs	gruba pokry lodowa	Gelo compag pesados	gheață plutitoare dispers acoperind mult creșterea șanse de îngheț	silne pevný ľad	debel trdni led	raskast jäätä fastis	Tjock fastis	очень сплош лёд	Тешка затру санта леда
S	> 12 cm	nagyon vastag úszó és parti jég közeli 100 % os jégfedettség	silg qawwijs hafna f'wicc l- ilma u solidu fedettség	Zwaar drijfij en pakij bijna 100 % bedekt met ijs	bardzo gruba skra lodowa pokrycie powyż 75 %, de możliwość koagulacji	Gelo flutuan pesadopl com probabil de możliwość koagulacji	gheață plutitoare dispers acoperind mult creșterea șanse de îngheț	silne pevný ľad	debel trdni led	raskast jäätä fastis	Tjock fastis	очень сплош лёд	Веома жест пла и лёд чврст ледом, покрив скоро 100 %



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			kwazi 100 %										
U	> 40 cm	jégtorlas vagy tas- sodródó jég	lasza síl jég síl jégarr mal- kurrent	IJsdam of kruien ijs	bariera lodowa dub zator lodowa	Barreira de gelo ou gelo à deriva	pod de gheață sau gheață plutitoare	padovale bariéra alebo nahrom adna	aledena ovira ali ajajene	jääpat tai ajojää tarivis	Stampeller drivis	isvalho zator или скопле дрейфа	медена преграда или снего ующего покрытия
O	—	elolvadás (kásás) jég, akadályozás megszüntetése	dőlő (artab) li vezeték u li ma ghadux jostakola	Verdwijning (pap) niet meer hinderlijk w zege	van de koud (papak) niet hinderlijk w zege	Geloof em júsão já causa obstrução	gheet topiti, nici unul agricul prekážky	istrăca sa tenký pad, ovir prekážky	taljen ledu, brez ovir prekážky	esulava jääta, ei enää esteenä	Upplösa issörja ingen blocker fartyg	stazura jald c rip bezpreatstvennoe sudohodstvo	опашня леда, нема преграда препятствие судосходство
V	—	hajózási szünet	aviagat szünet	Sjörut under brot	szorított közlekedés	Naviga proibida	acționat suspendat	acționat suspendat	plavby prepove	alusliik sallittu	Sjöfart fartyg	судоход запреще	запреще

## ICE SITUATION CODE

Value	EN	BG	ES	CS	DA	DE	ET	EL	FR	HR	IT	LV	LT
NOL	no limitation	Без ограничения	Sin limitación	bez omezení	Ingen begrænsning	keine Beschränkung	piirang Külvõr	περιο όριο	pas limitation	Nema ograničenja	nessun limitazione	bez ierobežojumu	Apribojimų
LIM	limitation	Ограничение	Limitación	omezení	Begrænsning	Beschränkung	piirang	περιο όριο	limitation	Ograničenje	limitazione	ierobežojums	Apribojimai
NON	no navigation allowed	Препятствие навигации	Navegación prohibida	bez povolení	Sejldes begrænset	gesper t	navigat keelatud	Ανε καμία ναυσιπλοΐα	Ανε πλοΐα	Plowidba niez dopuszczenia	nessun navigazione consentita	kuģoša aizlieguma	draudžiama

## ICE SITUATION CODE

Value	HU	MT	NL	PL	PT	RO	SK	SL	FI	SV	RU	SR
NOL	nincs korlátozás	ebda restrizzjoni	Geen beperkingen	brak ograniczeń	Sem restricções	fără restricții	bez obmedzení	brez omejitv	ei ajoitus	Ingen begränsning	без ограничений	Без ограничений
LIM	korlátozás	restrizzjoni	Beperkingen	ograniczenia	Restrições	restricții	obmedzení	omejitv	ajoitus	Begränsning	ограничение	ограничение
NON	hajózási nem megengedett	aviagat proibita	Vijagage beperkt	bez povolení	Navegação proibida	acționat suspendat	acționat suspendat	plavba prepove	alusliik sallittu	ingen sallatt	навигация запрещена	Пловидба не е дозвољена

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## WEATHER CLASS CODE

Value	EN	BG	ES	CS	DA	DE	ET	EL	FR	HR	IT	LV	LT
CLR	clear	Ясно	Despejido	jasno	Klart	klar	selge	Αίθριος καιρός	clair	Vedro	sereno	skaidrs	sgiedra
CLDY	cloudy	Облачно	Nublado	oblačno	Skyet	bewölkt	pilvitus	Νεφώδης	couvert	Oblačno	nuvoloso	saikona	debesuota
OCST	overcast	Σταοβλάκω	Cubierto	zataženo	Overskyet	bedeckt	klauspilv	Πληρώς νεφοσκεπής ουρανός	naoblaka	Jača	coperto	apmācīts	siniaukę
DZZL	drizzle	Ръмеж	Llovizna	maholé	Sitovregn	Nieselregen	vihm	Βροχή	pluie	Rosa	pioviggine	smalks lietus	sudksna
RAIN	rain	Дъжд	Lluvia	děšť	Regn	Regen	vihm	Βροχή	pluie	Kiša	pioggia	lietus	lietus
LRAIN	Night rain	Лек дъжд	Lluvia ligera	slabý děšť	Let regn	leichter Regen	kerge vihm	Ασθενής βροχή	égère pluie	Slaba kiša	pioggia debole	īviegls lietus	silpnas lietus
ORAIN	Occasional rain	Οκτακ превал	Lluvia ocasional	občasná děšť	Vejligheds regn	gelegentlich Regen	hädiseish vihm	Επιπορευτική βροχή	pluie intermittente	Povremeno kiša	pioggia occasionale	intermittē lietus	pastovus lietus
HRAIN	Heavy rain	Силен дъжд	Lluvia silný intensa	silný děšť	Kraftigt regn	schwerer Regen	puhuv vihm	Εντονη βροχή	forte pluie	Jaka kiša	forti pioggia	spēcīgs lietus	smarkus lietus
SLEE	Eleet	Лапави	Aguanie	děšť se sněhem	Tøsne	Graupelbrts		Χιονόβροχή	neige fondue	Susnježica	neve schlopj	sniegs	šlapis
SNOW	snow	Сняг	Nieve	sněžen	Sne	Schnee	falli	Χιόνι	neige	Snježna oborine	neve	sniegs	snygis
SNFA	Heavy snow fall	Силен снегов	Nieve intensa	silné sněžen	Kraftigt snefald	schwerer Schneefall	puhuv vihm	Εντονη χιονόπτωση	neige dépense	Jake snježna oborine	pesante neve	spēcīgs sniegs	stiprus snygis
HAIL	hail	Град	Granizo	krupobití	Hagl	Hagel	rahe	Χαλάζ	grêle	Tuča	grandine	kruša	kruša
SHWR	Showers	Превали	Chubascos	práhán	Byer	Schauger	jahu	Ομβροί	averse	Pljusak	rovesel	lietus	lietus
THST	Thunder	Громова	Tormenta	bláznivka	Torden	Gewitter	karke	Καταιγίδα	orage	Olujno	temporale	konkretna	perkūnija
HAZY	hazy	Замъглено	Brum	zamžené	Diset	diesig	somp	Υγρή αχλύς	brume	Maglo	velato	dūmak	knigla
FOG	fog	Мъгла	Niebla	mlha	Tåge	Nebel	udu	Ομίχλη	prouille	Magla	nebbia	amigla	rūkas
FOGPA	Fog patches	Мъгли участки	Zonas de niebla	lokální mlha	Pletvis tåge	Nebel	bunklaig	Ομίχλη κατά τόπους	pancs de brouillard	Mjestni magla	lokalna nebbia	imiglas	vietomis rūkas
GALE	gale	Силен вятър	Temporal	hrdic	Hård kuling	stürmischer Wind	saljer	Θυελλώδης άνεμος	orag	Udari	burrasca	stipras	sudra
STRM	storm	Буря	Tormenta	maře	Storm	Sturm	torm	Θύελλα	tempête	Oluja	tempesta	stipras vētra	štormas
HURR	Hurricane	Ураган	Huracán	urika	Orkan	Orkan	orkaan	Κυκλώων	ouragan	Orkan	uragan	norkāns	suraganas

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FZRA	freezing rain (black ice)	Gyrpallu escarchada (hielo glaseado)	Lluvia helada (hielo glaseado)	mrzno laka	lsslag	gefrierender Regen	aldjsh Regen (must jää)	Βροχή με παγοκρύσταλλους (υαλόπαγος)	pluie verglad daise	Leden avetron atkala (melna ledus)	lijundra (apšalas)
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## WEATHER CLASS CODE

Value	HU	MT	NL	PL	PT	RO	SK	SL	FI	SV	RU	SR
CLR	tiszta	čar	Helder	bezchmurno	Céu limpo	senin	bezoblačno (jasno)	jasno	selkeä	Klart	ясно	Ведро
CLDY	felhős	imsahha	Bewolkt	chmurno	Céu nublado	noros	oblačno	pretežno oblačno	nimmis pilvista	Molnig	облачно	Облачно
OCST	borult	mghajjed bis-shab	Betrokken	chmurno encoberto	Céu encoberto	acoperiz	zamračeno	oblačno	pilvista	Mulet	пасмурно	Необлачење
DZZL	szitáló eső	irxiex	Motregen	rozawka	Chuvisca	corniță	mrholenie	pišanje	tihkusa	Duggregn	моросит	Воса
RAIN	eső	xita	Regen	deszcz	Chuva	ploaie	dážď	dež	sadetta	Regn	дождь	Киша
LRAIN	Ngyeng eső	xita hafifa	Lichte regen	lekki deszcz	Chuva fraca	ploaie ușoară	slabý dážď	rahel dež	heikko vesisadetta	lättn	слабый дождь	Слаба киша
ORAIN	Szórva eső	kydsant xita	Verspreide regen	sporady deszcz	Chuvos ocasionais	ploaie ocazionale	občasný dážď	občasen dež	joiittais vesisadetta	lättn	возможный дождь	Невремена киша
HRAIN	Neves eső	xita qalila	Zware regenval	ulewa forte	Chuva forte	averse de ploaie	silný dážď	močan dež	voimakas vesisadetta	Kraftigt regn	сильный дождь	Жака киша
SLEET	Thóðara	tahlita ta' xita u silg	Natte sneeuwze	deszcz śniegiem	Neve molhada	lapoviță	dážď so snehom	leden dež	räntäsa	Sotolanda regn	дождь со снегом	Суснежица
SNOW	hó	borra	Sneeuw	śnieg	Neve	ninsoare	sneh (sneženie)	sneg	lumisa	Sotolanda	снег	Снег
SNFALL	Lőrös hóesés	borra qalila	Zware sneeuwval	intensywny opad śniegu	Forte nevão	averse de ninsoare	silné snežení	močno sneženje	runsasti lumisa	Kraftigt snöfall	сильный снег	Жак снежные падавине
HAIL	jégeső	xita balal	Hagel	grad	Granizo	grindină	krupobitica	hoke	rakeita	Hagel	град	Град
SHWR	Sápor	halbiet tax-xita	Buien	przelotny opad śniegu	Aguaceiro	averse	prehánky	hoke	sadeku	Regnskurar	кшани	Пљусак
THSTR	Matar	maltem bir-raghad	Onweer	burza (z piorunami)	Trovoada	dăjdie	silná búrka	nevihtaraju	Åskväder	derosa	Олуја	невреме
HAZY	párás	imčajpa	Neveling	listobry	Bruma	negură	hmlisto	meglicasta	Disigt	дымка	Магловито	

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FOG	köd	ćpar	Mist	mgla	Nevoe	ceată	hmla	megla	sumua	Dimma	гуман	Магла
FOGPA	Ködfoltok	ćparja	Mistbank	mgla	Nevoe	ceată	občasna	zaplate	paikoite	Dimma	гуман	Местимична
		mćajprin		zamgle	nevoe	în valuri	hmla	megle	sumua		местам	магла
GALE	viharos szél	šburaxka	Harde wind	wichura	Vento muito forte	vânt puternic	vichrica	viharni veter	kovaa tuulta	Hård vind	шторм ветер	Давој ветар
STRM	vihar	maltem	Storm	burza	Tempesta	furtună	nābūrka	močan vihar	myrsky	Storm	шторм	Олуја
HURR	Orkán	uragan	Orkaan	huragan	Furacão	tornadă	hurikán	norkan	hirmun	Orkan	ураган	Оркан
FZRA	fagyos eső	xita ffrizata ("blackijs ice")	IJsregen (zwart deszcz)	marznā deszcz	Chuva gelada (geada transparente)	polei dāžd'	mrznúczled	čled (poledisa)	jäätävä letta regn (mustaa jäätä)	Underkyll	подлед	Дедена киша

## WEATHER ITEM CODE

Value	EN	BG	ES	CS	DA	DE	ET	EL	FR	HR	IT	LV	LT
WI	wind	Вятър	Viento	vítr	Vind	Wind	tuul	Άνεμος	vent	Vjetar	vento	vējš	vėjas
WA	waves	Вълне	Oleaje	vlny	Bølger	Wellen	lained	Κύματα	trous	Valovi	moto ondoso	viļņi	bangos
FG	visibility	Видимост	Visibilidad	viditelnost	Sigt	Sicht	nähtav	Ορατότητα	visibilité	Vidljivost	visibilità	redzamība	matomumas
RN	rain	Дъжд	Lluvia	děšť	Regn	Regen	vihm	Βροχή	pluie	Kiša	pioggia	dietus	lietus
SN	snow	Сняг	Nieve	sníh (sněžení)	Sne	Schnee	dumi	Χιόνι	neige	Snijeg	neve	snieg	snygis
AT	air temperature	Температура въздуха	Temperatura del aire	teplota vzduchu	Lufttemperatur	Temperatur	temperatuur	Ορατότητα αέρα	température de l'air	Temperatura zraka	temperatura dell'aria	gaisa temperatūra	oro temperatūra
WT	water temperature	Температура водата	Temperatura del agua	teplota vody	Vandtemperatur	Wassertemperatur	vee temperatuur	Ορατότητα νερού	température de l'eau	Temperatura vode	temperatura dell'acqua	ādens temperatūra	vandens temperatūra

## WEATHER ITEM CODE

Value	HU	MT	NL	PL	PT	RO	SK	SL	FI	SV	RU	SR
WI	szél	riħ	Wind	wiatr	Vento	vânt	vietor	veter	tuuli	Vind	ветер	Бетар
WA	hullámok	ħewġ	Golven	fale	Ondas	valuri	vlny	valovi	aallokk	Vågor	высота волн	Таласи
FG	látótávolság	ħabib	Zicht	mgla	Visibilità	vizibilitate	viditeľnosť	vidljivost	näkyvyys	Sikt	видимость	видљивост
RN	eső	xita	Regen	deszcz	Chuva	ploaie	dážd'	dež	sade	Regn	дождь	Киша
SN	hó	borra	Sneeuw	śnieg	Neve	zăpadă	snežení	sneg	lumi	Snö	снег	Снег

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AT	lég	hőmérséklet	tal- arja	temperatura	powietrza	da ar	temperatura	aerului	vzduchu	uraka	temperatura	lämpötila	Lufttemperatur	temperatura	воздуха	аздуха
WT	víz	hőmérséklet	tal- ilma	temperatura	wody	da água	temperatura	apei	vody	temperatura	vode	temperatura	Vattentemperatur	temperatura	воды	воде

## WEATHER CATEGORY CODE

Value	EN	BG	ES	CS	DA	DE	ET	EL	FR	HR	IT	LV	LT
0	calm	безветрие	Calma	bezvětrí	Roligt	Windstille	valik	Νηκυμία	calme	Mirno	calma	bezvējš	štilis
1	light air	тих вятър	Ventolina	líněk	Let vind	leichter Zug	vaikne tuul	Ασθενής άνεμος	l'air	Lahor	bava di vento	vēja vēsma	tylus vėjelis
2	light breeze	лек вятър	Brisa muy débil	slabý vítr	Let brise	leichter Brise	kerge tuul	Ελαφρύ αέρα	brise légère	Povjetak	brezza leggera	maazavieglis vējš	lengvas vėjas
3	gentle breeze	лек вятър	Brisa débil	mírný vítr	Blid brise	schwacher Brise	chik tuul	Ασθενής αέρα	brise douce	Slab vjetar	brezza	lēns vējš	silpnas vėjas
4	moderate breeze	умерен вятър	Brisa moderada	dostí větr	Moderat brise	mäßiger Brise	õõduks tuul	Μετρίως αέρα	modérée	Umjeren vjetar	brezza vivace	mērenis vējš	vidutinis vėjas
5	fresh breeze	разхлаблен вятър	Brisa fresca	čerstvý vítr	Frisk brise	frische Brise	kaunis tugev tuul	Δροσερή αέρα	brise fraîche	Umjeren vjetar	brezza tesa	mērenis stiprs vējš	nigaivus vėjas
6	strong breeze	силен вятър	Brisa fuerte	silný vítr	Kraftig brise	starkert Wind	tugev tuul	Ισχυρή αέρα	fort	Jak vjetar	vento fresco	stiprs vējš	stiprus vėjas
7	near gale	достаточен вятър	Viento fuerte	mírný víchřice (prudký vítr)	Tæt på kuling	steifer Wind	vali tuul	Σχεδόν θυελλώδης άνεμος	tempête	Snažan vjetar	vento forte	ļoti stiprs vējš	beveik audra
8	gale	много силен вятър	Temporada	buřlivý vítr	Hård kuling	stürmischer Wind	vali tuul	Θυελλώδης άνεμος	tempête fraîche	Olujni vjetar	burrasca moderata	caētrais vējš	audra
9	strong gale	силен вихър	Gran temporal	vichřice	Hård kuling	Sturm	rajutuu	Ισχυρότερος θυελλώδης άνεμος	tempête forte	Lak olujni vjetar	burrasca forte	caētrais vējš	stipri audra
10	storm	много силен вихър	Tormenta	silná vichřice	Storm	schwerer Sturm	term tuul	Θύελλα	tempête	Orkanski vjetar	tempesta	stipra vētra	štormas
11	violent storm	стихийная буря	Barraca	ochutná vichřice	Meget kraftig storm	orkanartig storm	term tuul	Σφοδρή θύελλα	orage	Jak orkanski vjetar	fortuna	ļoti stipra vētra	stiprus štormas
12	hurricane	ураган	Huracán	orkán	Orkan	Orkan	orkaan	Κυκλώνας	ouragan	Orkan	uragan	orkāns	suraganas

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

13	thick fog	много гъста мъгла	Niebla espesa	velmi hustá mlha	Tyk tåge	dichter Nebel	tihe udu	Ποκνή ομίχλη	brouillé	haze	nebbia	aspēcīga migla	airštas rūkas
14	dense fog	гъста мъгла	Niebla densa	hustá mlha	Tæt tåge	dichter Nebel	väga tihe udu	Ποκνή ομίχλη	brouillé	haze	nebbia	bieza migla	stiprus rūkas
15	moderate fog	умеренная мъгла	Niebla moderada	mírná mlha	Moderat tåge	mäßiger Nebel	ņodukšs udu	Μέτριο ομίχλη	brouillé	haze	nebbia	mērena migla	vidutinis rūkas
16	fog	слабая мъгла	Niebla mlha	Tåge	Nebel	hāgu	Ομίχλη	brouillé	haze	nebbia	migla	rūkas	
17	mist	мъгла от изпарение	Neblina	kouřmá	Dis	Nebel	hāgu	Υγρό αχλός	brouillé	haze	nebbia	avieglā migla	migla
18	haze	замъглено	Brumazákal	Tågedis	Dunst	somp	Ξηρό αχλός	brume	Izmagls	foschia	adūmakā	kānana	
19	light haze	леко замъглено	Brumazákal	Let tågedis	leichter Dunst	somp	Ελαφρύ ξηρό αχλός	brume	Blaga izmagls	foschia	avieglā	lengva adūmakā	kānana
20	clear	чисто	Despejado	radzār vzduch	Klart	klar	selge	Αίθριο καιρός	clair	Vedro	sereno	skaidrs	giedra
21	very clear	много чисто	Muy despejado	velmi radzār vzduch	Meget klart	sehr klar	vāga selge	Πολύ αίθριο καιρός	très clair	Vrlo vedro	molto sereno	loti skaidrs	labai giedra
22	no fog	липса на мъгла	Sin niebla	bez mlhy	Ingen tåge	kein Nebel	udutu	Απουσία ομίχλης	pas de brouillard	Bez magle	assenza di nebbia	nav miglas	rūko nēra

## WEATHER CATEGORY CODE

Value	HU	MT	NL	PL	PT	RO	SK	SL	FI	SV	RU	SR
0	szélcsen	calm	Stil	cisza	Calmo	calm	beztvrt	beztvrt	työntä	Lugnt	штиль (безветрие)	тихо
1	gyenge szellő, hafifa fuvalat	gearja hafifa	Flauwen stil	powiew	Aragens	vânt perceptibil	vánok	sapica	piență tuulentä	Svag vind	тихий ветер	лаход
2	enyhe szél	ziffa hafifa	Flauwe koelte	slaby wiatr	Brisa ligeira	briză ușoară	slabý vietor	vetrič	heikko tuulta	Svag vind	легкий ветер	поветарац
3	gyenge szél	ziffa helwa	Lichte koelte	łagodny wiatr	Pequena brisa	briză slabă	mierny vietor	šibek veter	kohtala tuulta	Måttlig vind	слабый ветер	слаб ветар
4	mérsékelt szél	ziffa moderata	Matige koelte	umiarko wiatr	Brisa moderada	briză moderată	dost' vietor	zmerenav veter	navakka tuulta	Måttlig vind	умеренный ветер	умерен ветар

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

5	élénk szél	ziffa friska	Frisse bries	dość silny wiatr	Brisa fresca	briză semnificativă	čerstvý vítr	zmernok močan veter	kovaa tuulta	Frisk vind	свежий ветер	умерено як ветар
6	erős szél	ziffa qawwi	Stijve bries	silny wiatr	Vento fresco	briză puternică	silný větr	močan veter	myrsky	Frisk vind	сильный ветер	як ветар
7	viharos szél	skwaži buraxk	Harde wind	bardzo silny wiatr	Vento forte	vânt puternic	prudký vítr	zelo močan veter	navakka tuulta (near gale)	Hård vind	крепкий ветер	бура
8	élénk viharos szél, vihar	buraxk	Storm	strog wicher	Vento muito forte	vânt foarte puternic	búrlivý vítr	viharni veter	kovaa tuulta (gale)	Hård vind	очень крепкий ветер	средняя бура
9	heves vihar	buraxk qalila	Storm	silny sztorm	Vento tempestuoso	furtună	vichřice	vihar	erittäin kovaa tuulta (strong gale)	Mycket hård vind	шторм	жак бура
10	dühöng vihar, szélvész	maltempestu	Ztare storm	bardzo silny sztorm	Tempesta	furtună	silná větr	močan vihar	myrsky (storm)	Storm	сильный шторм	местока бура
11	heves szélvész	maltempestu qalila	Ztare zware storm	gwałtowny sztorm	Tempesta violenta	furtună violentă	silná větr	harkans veter	linkara myrsky (violent storm)	Svær storm	жестокый шторм	местока олуја
12	orkán	uragan	Orkaan	huragan	Furacão	uragan	orkán	orkan	hirmun (hurricane)	Orkan	ураган	ураган
13	sűrű köd	čpar ohxon	Zeer dichte mist	gęsta mgła	Nevoeiro	ceață groasă	velmi silná hmla	zelo gosta megla	hyvin sakeaa sumua	Tjocka	сильный туман	всегома густа магла
14	tartós köd, 6 órát meghaladja	čpar dens	Dichte mist	bardzo gęsta mgła	Nevoeiro denso	ceață densă	silná hmla	gosta megla	sakeaa sumua	Tät dimma	плотный туман	луста магла
15	enyhe köd	čpar moderat	Matige mist	lekka mgła	Nevoeiro moderat	ceață moderată	mierna hmla	zmernak megla	kohtala sumua	Måttlig dimma	умеренный туман	умеренная магла
16	köd	čpar	Mist (zichtbaarheid < 1000 m)	mgła	Nevoeiro	ceață	hmla	megla	heikko sumua	Dimma	туман	магла
17	párás	čpar	Mist (zichtbaarheid > 1000 m)	mgłka	Neblină	păclă	dymno	meglic	cartua	Lätt dimma	дымка	измаглица

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

18	homály	imcǎjpa	Nevel	przymgl	Brima	negură	zákal	suha motnost	auerta	Dis	мгла	сумаглица
19	száraz légtér homály	ftit imcǎjpa	Lichte nevel	lekkie przymgl	Bruma ligura	ceață subțire	slabý zákal	rahla suha motnost	kevytta auerta	Lätt dis	легкая мгла	блага сумаглица
20	tiszta	çar	Helder	przejrz	Ysipo	senin	jasno	jasno	selkeää	Klart	ясно	ведро
21	teljes látás	çar hafna	Zeer helder	bardzo przejrz	Muito ysipo	foarte senin	veľmi jasno	zelo jasno	hyvin selkeää	Helt klart	очень ясно	веома ведро
22	ködmentes	cloda čpar	Geen mist	brak mgły	Sem nevoe	fără ceață	bez hmly	brez megle	ei sumua	Ingen dimma	нет тумана	без магле

## WEATHER DIRECTION CODE

Value	EN	BG	ES	CS	DA	DE	ET	EL	FR	HR	IT	LV	LT
N	north	Север	Norte	sever	Nord	Nord	põhi	Βόρειο	Nord	Sjever	nord	Uz zieme	šiaurė liem
NE	north- east	Северо- изток	Nordeste	severo- východně	Nord- øst	Nord- Ost	kirre	Βορειο- ανατολ	Nordest	Sjevero- istok	nord- est	h/z zieme	šiaurės ryturai
E	east	Исток	Este	východ	øst	Ost	ida	Ανατολ	Est	Istok	est	Uz austrum	rytai austrum
SE	south- east	Юго- изток	Sureste	siro- východně	Syd- øst	Süd- Ost	kagu	Νοτιο- ανατολ	Sudest	Jugo- istok	süd- est	Uz dienvid	pietryčiai austrum
S	south	Южно	Sur	jižně	Syd	Süd	lõuna	Νότιο	Sud	Južno	sud	Uz dienvid	pietūs dienvid
SW	south- west	Югоза- пад	Suroeste	siro- západně	Syd- vest	Süd- West	edel	Νοτιο- δυτικ	Sud- ouest	Jugozapad	sud- ouest	Uz dienvid	pietvakariai rietum
W	west	Запад	Oeste	západně	Vest	West	lāās	Δυτικ	Ouest	Zapad	ouest	Uz rietum	vakarai rietum
NW	north- west	Северо- запад	Noroeste	severo- západně	Nord- vest	Nord- West	loe	Βορειο- δυτικ	Nord- ouest	Sjevero- zapad	nord- ouest	h/z zieme	šiaurės vakariai
WRB	variable	Επικεντρω- μενός	Variable	proměnlivý	Varier	veränderlich	Ilmet	Μεταβλητός	Variable	Promjenjiv	variabil	Mainig	niepastovi

## WEATHER DIRECTION CODE

Value	HU	MT	NL	PL	PT	RO	SK	SL	FI	SV	RU	SR
N	észak	it- Tramuntana	Noord	północ	Norte	nord	severne	severni	Pohjois	Nord	северный	Север
NE	észak- kelet	il- Grigal	Noord- oost	północny wschód	Nordeste	nord- est	severo- východne	severo- vzhodni	Kokkinn	Nord- ost	северо- восточный	Северо- исток
E	kelet	il- Lvant	Oost	wschód	Leste	est	východ	vzhodni	Itä	Öst	восточный	Исток
SE	dél- kelet	ix- Xlokk	Zuidoost	południowy wschód	Sudeste	sud- est	juho- východne	jugovzhodni	Kaukko	Syd- ost	юго- восточный	Юго- исток



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S	dél	in- Nofsinhar	Zuid	południ	Sul	sud	južne	južni	Etelä	Syd	южный	Юг
SW	dél- nyugat	il- Lbić	Zuidwe	południ	Sudoest	suđ- vest	juho- západne	jugoza	Hoolmas	Sydväst	oro- западный	Југозапад
W	nyugat	il- Punent	West	zachód	Oeste	vest	západne	zahodn	Länsi	Väst	западный	Запад
NW	észak- nyugat	il- Majjistr	Noordwe	południ	Noroest	nord- vest	severo- západne	severo	Zahodni	Nordväst	северо- западный	Северозапад
WRB	változó	varjabbo	Verander	erijenn	Variáve	variabi	premenl	premenl	ujltel	Ääxland	перем	променлив

## GUI LABELS

XML Tag	EN	BG	ES	CS	DA	DE	ET	EL	FR	HR	IT	LV	LT
area	area	Район	Área	Oblast	Områd	Gebiet	piirkond	Ζώνη	zone	Područje	area	Apgabais	arstis
button	<u>Back</u>	Назад	Retroced	Zpět	Tilbage	Zurück	Tagasi	Επιστροφή	Retour	Natrag	indietro	Atpakaļ	Atgal
button	<u>Cancel</u>	Отказ	Cancelar	Zrušit	Annul	Abbrechen	Katkest	Ακύρωση	Annuler	Odustati	annulla	Atcelt	Atšaukti
button	<u>New search</u>	Нова търсене	Nueva búsqueda	Nové hledání	Ny søgning	Neue Suche	Uus otsing	Νέα έρευνα	nouvelle recherche	Nova istraga	nuova ricerca	Jauns meklēšanas vaicājums	Nauja paieška
button	<u>Register</u>	Регистр	Registrar	Registru	Registre	Registrieren	Registreer	Εγγραφή	Enregistrer	Registrirati	registrare	Reģistrēties	Registruotis
button	<u>Save</u>	Запазване	Guardar	Uložit	Gem	Speichern	Salvesta	Αποθήκευση	Sauvegarder	Spaseni	salvare	Saglabāt	Isaugoti
button	<u>Search</u>	Търсене	Buscar	Hledat	Søg	Suchen	Otsi	Αναζητήστε	Rechercher	Trži	ricerca	Meklēt	Paieška
button	<u>View</u>	Преглед	Visualizar	Zobrazit	Mis	Anzeigen	Väta	Προβολή	Montrer	Pregledati	visualizzare	Skatēt	Rodyti
email	<u>Address mail address</u>	Адрес на ел. поща	Correo electrónico	E-mailová adresa	E-mailadresse	E-Mail-Adresse	E-posti aadress	Διεύθυνση ηλεκτρονικού ταχυδρομείου	Adresse email	Adresa e-pošte	indirizzo e-mail	E-pasta adrese	E. pašto adresas
email	<u>service mail service</u>	Е-mail услуга	Servicio de correo electrónico	E-mailová služba	E-mailtjeneste	E-Mail-Service	E-posti teenus	Υπηρεσία ηλεκτρονικού ταχυδρομείου	Service email	Usluga elektronske pošte	servizio postale	E-pasta pakalpojums	e. pašto paslauga
email	<u>Registration e-mail service</u>	Регистрация за Е-mail услуга	Registro de servicio de correo electrónico	Registrační e-mailová služba	Registrierung af E-mailtjeneste	Registrierung E-Mail-Service	Registreerimine e-posti teenus	Εγγραφή σε υπηρεσία ηλεκτρονικού ταχυδρομείου	Enregistrement service email	Registracija usluge elektronske pošte	registrare servizo postale	Reģistrācija e-pasta pakalpojums	Registracijos e. pašto paslauga
error	<u>Validation error:</u>	Валидация при	Error de validación:	Chyba ověření:	Validationsfejl	Fehler bei der Validierung:	Validieringsfejl	Επιμέλση επικύρωσης	Erreur de validation	Pogreška pri provjeri	errore di convalida:	Validācijas kļūda:	Apiliekus patikra klaida:
format	<u>Code</u>	Кодов формат	Código	Kód	Kode	Code	Kood	Κώδικας	Code	Kod	codice	Kods	Kodas

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

format	PDF	PDF	PDF	PDF	PDF	PDF	PDF	PDF	PDF	PDF	PDF	PDF	PDF
format	Select format	Избирателен формат	Selecció format	Vyhledávací formát	Vælg format	Format wählen	Vali vorming	Επιλογή μορφότυπού	Selectio format	Odabran format	Ajalasid formát	Pasirinkti formatą	
format	Full text	Пълнотекст	Textointegrado	Textovzpráva	Fuldtekst	Volltext	Terviktekst	Πλήρες κείμενο	Message intégrale	Puni tekst	full-text	Pilns teksts	Visas tekstas
format	XML	XML	XML	XML	XML	XML	XML	XML	XML	XML	XML	XML	XML
gauge	gauge	Водометр станция	Gaibovodometrs	Vodočítací profil	Pegel	Möðtur	Αισθητήρας	Υδρομετρητήριο	Vodomjerna postaja	Meisuramat	Mērīns	Vandens lygio matavimo punktas	
ID	ID	Идентификация	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
km_from	River km from	Речен км. от	Km de río desde	Říční km od	Flod km fra	Strom km von	Kilometri alates	Χιλιόμετρα από	Kilometri depuis	Rijeka km od	km di fiume da	Upes km no	Upės km nuo
km_to	River km to	Речен км. до	Km de río hasta	Říční km do	Flod km til	Strom km bis	Kilometri kuni	Χιλιόμετρα έως	Kilometri jusqu'à	Rijeka km do	km di fiume fino a	Upes km līdz	Upės km iki
language	Language	Язык	Lengua	Jazyk	Sprog	Sprache	Keel	Γλώσσα	Language	jezik	lingua	Valoda	Kalba
language	English	Ελληνικά	İngilizce	Česky	Engels	Deutsch	Hesti	Ελληνικά	Francia	Hrvatski	Italiano	Angli	Angli
message	Search notices	Поиск сообщений	Buscar avisos	Vyhledávací zprávy	Søgemaskine	Suchmaschine	Edastatavõtte	Αναζήτηση ανακοινώσεων	Retraži obavijesti	Pretraživanje obavijesti	Meclət pazınoqları	Pranešimų paieška	
message	Message type	Тип сообщения	Tipo de mensaje	Typ zprávy	Meddelelses type	Meddelstypen	Iluk	Τύπος μηνύματος	Type de message	Vrsta poruke	tipo de messaggio	Ziņojuma veids	Pranešimo tipas
nts	Notices to skipper	Известия до капитана	Avisos a los navegantes	Zprávy vůdčím skippers	Efterretninger for skipper	Meldungen für die Binnenschifffahrt	Kõiged andmed edastatavõtte	Ανακοινώσεις προς το πλοίαρχό	Priopćenja brodarske navigacije	Pretraživanje obavijesti	Pazınoqlar kapitanlar üçün	Pranešimai kapitonams	
password	Password	Пароль	Contraseña	Heslo	Adgangskode	Pasord	Salasõna	Κωδικός πρόσβασης	Mot de passe	Lozinka	password	Parole	Slaptažodis
password	Repeat password	Повторите пароль	Repeticion contraseña	Zopakujte heslo	Gentag adgangskode	Passwörter wiederholen	Kõrda salasõna	Επανάληψη κωδικού πρόσβασης	Repéterje lozinkát	Potvrdite lozinku	laipeti paroli	Pakartokite slaptažodį	
title	Title	Заглавие	Título	Název	Titel	Titel	Tiitel	Τίτλος	Titre	Naslov	titolo	Nosaukums	Pavadinimas
user_account	Manage user account	Управление на аккаунта	Gestión de cuentas de usuario	Správa uživatelských účtů	Forvaltning af brugerkonto	Beitrag zur Verwaltung von Benutzerkonten	Kõiged kasutajate andmed	Αναζήτηση πληροφοριών χρηστών	Gérer les comptes utilisateurs	Upravljanje korisničkim računima	ģestību lietotāju kontu	Tvarkyti naudotojų paskyrą	

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) 2018/2032. (See end of Document for details)

			de usuario										
valid	valid from	Валид от	Valido desde	Platné od	Gyldig fra	Gültig von	Kehtiv alates	Ισχύει από	Valide à partir de	Važeće od	valido da	Derīgs no	Galioja nuo
valid	valid till	Валид до	Valido hasta	Platné do	Gyldig til	Gültig bis	Kehtiv kuni	Ισχύει έως	Valide jusqu' à	Važeće do fina	valido fino a	Derīgs līdz	Galioja iki
waterway	Waterway	Воден път	Vía navegables	Vodní cesta	Vandvej	Wasserweg	Vodna cesta	Πλωτή οδός	Voie d'eau	Vodni put	via navigabile	Ūdensceļš	Vandens kelias
Waterway	Waterway section	Водни път водния път	Tramo de vía navegable	Úsek vodní cesty	Vandvej	Wasserweg	Vodna cesta	Πλωτή οδός	Voie d'eau	Dionica vodnog puta	via navigabile	Ūdensceļš posms	Vandens kelio ruožas

## GUI LABELS

XML Tag	HU	MT	NL	PL	PT	RO	SK	SL	FI	SV	RU	SR
area	terület	žona	Gebied	obszar	Superfiziă	zónă	Oblast'	območje	alue	Område	Област	Област
button	Vász	Lura	Terug	Cofnij	Recuar	Înapoi	Spät'	nazaj	takaisin	Tillbaka	Назад	Назад
button	Mégse	Ikkanca	Annuleren	Anuluj	Cancelar	Anulează	Zaušit'	prekliči	peruuta	Avbryt	Отменить	Откажи
button	Új keresés	Eftijä haku	Nieuwe zoekopdracht	Nowe zapytanie	Nova căutare	Nové hľadanie	novi iskanje	haku	uusi haku	Ny sökning	Новый поиск	Нова претрага
button	Registrieren	Reģistrācija	Registratie	Zarejestrowanie	Registrazie	Înregistrare	Registrácia	registracija	Rekisteröytä	Registrierung	Регистрация	Регистрација
button	Mentés	Issejvja	Opslaan	Zapisz	Guardar	Salvează	Hložit'	shrani	Tallenna	Spara	Сохранить	Снимити
button	Keresés	Fittex	Zoeken	Szukaj	Pesquisa	Căutare	Vyhľadanie	iskanje	Hae	Sök	Поиск	Претрага
button	Megtekintés	Arta	Bekijk	Pokaż	Visualiza	Visualiza	Zobraziti	pregled	Katso	Visa	Просмотр	Преглед
email	adresa cím	Indirizz tal- posta elettronika	E-mailadres	Adres mail	Endereço eletrónico	Adresa e-mail	E-mailová adresa	e-poštni naslov	sähköpostiosoite	postadress	Адрес электронной почты	Електронска пошта
email	Service szolgáltatás	servizz italas posta elettronika	E-maildienst	Usluga mail	Correio eletrónico	Servicio e-mail	E-mailová služba	e-poštna storitev	sähköpostipalvelus	posttjänst	Услуга электронной почты	Услуга электронской поште
email	Regisztráció az email- küldő szolgáltatás	Reģistrācija tas- servizz tal- posta elettronika	Registratie e-maildienst	Rejestracja usługi e-mail	Registrazie correio eletrónico	Înregistrare pentru serviciu e-mail	Registrácia pre e-mailovú službu	registracija za e-poštnega naslova	Rekisteröytä sähköpostin rekisteröityä	Registrierung posttjänst	Регистрация услуги электронной почты	Регистрација услуга электронской поште

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error_v	Érvénytelen hiba	Židalsi fil- validazzjoni:	Validazione validazione:	Errore validare:	Eroare validare:	Chyba validácie:	napaka potrjevanju	Valido valido	Invalido invalido	Öngyfekt validáció:	Көрешка валидации: провери:	
format_	Kóde	Kodiči	Code	Kod	Código	Cod	Kód	koda	Koodi	Kod	Код	Код
format_	PDF	PDF	PDF	PDF	PDF	PDF	PDF	PDF	PDF	PDF	PDF	PDF
format_	Vallast formátumot	Agghel format	Formaat kiezen	Wybierz format	Selección formato	Selección formato	Wybierz format	tízberi format	Valitse formaati	Välj format	Выбери формат	Итабери формат
format_	Teljes szöveg	Test shih	Volle tekst	Pełny tekst	Texto integral	Mesaj text integral	Textová správa besedilo	celotno besedilo	Kokote Eskult	Fulltext	Полный текст сообщения	Идео текст
format_	XML	XML	XML	XML	XML	XML	XML	XML	XML	XML	XML	XML
gauge	mérce	kejl	Gauge	Wodow	Gabarito	toiră	Vodomer stanica	enafilni	Vedenk	Vaktens	Водостанция пост	Водостанция
ID	Azonosító	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
km_from	Folyó- km- tól	Km tax- xmara minn	Rivier- km vanaf	km rzeki od	Km do rio a partir de	De la kilometru	Riečny km od	rečni km od	Jokikil- lähtöpakk	От kilometer	Речни километар од	Речни километар од
km_to	Folyó- km- ig	Km tax- xmara sa	Rivier- km tot	km rzeki od	Km do rio até	Până la kilometru	Riečny km do	rečni km do	Jokikil- kohteeseen	От kilometer	Речни километар до	Речни километар до
language	Nyelv	Lingwa	Taal	Język	Língua	Limba	Jazyk	jezik	Kieli	Språk	язык	Језик
language_	Magyar	Magyar	Nederlands	Polski	Inglês	Română	Slovensky	Slovenščina	Svenska	Russisk	Русский	Росписки
message_	Hírvétel keresése	Fiktív szöveg	Bericht zoeken	Szukaj komunikacji	Pesquisa avise	Aută avize	Vyhľadáv správy	dišči obvestila	Viestihä meddelande	Sök meddelanden	Поиск сообщения	Претрага сообщения
message_	Üzenet típusa	Tipus messagge	Bericht type	Type wiadomości	Tipo de mensajes	Tip de mensajes	Typ správy	vrsta sporočilaj	Viestin av meddelande	Typ av meddelande	Тип сообщения	Тип сообщения
nts	Hajósok szóló információ	Anakizi lill- Kaptanide	Bericht aan kapiteen scheepvaart	Komunika dla kapitana	Avizos à capitane	Aviz către capitan	Správy pre kapitana lodi	obvestila kapitana lov	Imoituk kapiteenille	Meddelanden befälhavare	Сообщения судового бродяги	Сообщения судового бродяги
password	Jelszó	Password	Wachtwoord	Hasło	Senha	Parola	Heslo	geslo	Salasana	hösensord	Пароль	Лозинка
password_	Jelszó újra	Parolap l- password	Wachtwoord herhalen	Hasło powtórzenie	Repetir senha	Reintroducir parola	Zopakovat heslo	parolovpiši geslo	Toista salasana	Upprepa hösensord	Повторить пароль.	Повторить пароль.
title	Cím	Titlu	Titel	Tytuł	Título	Titlu	Názov	naslov	Nimi	Titel	Название	Назив
user_acc	Felhasználó számla- kezelés	Liikivi kont	Geduld beheren	Zarządca konta	Gerir conta	Setează cont	Spravov účt	upravljanje računa	Hjál ráðgjafi	Handter dank	Управление налоговым налогом	Управление налоговым налогом

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		tal- utent										
valid_	firomeny kezdet	Validu minn	Geldig vanaf	Wazne od	Válido de	Valabil din	Platné od	veljavno od	Voimassa ... alkaen	Giltigt från och med	Действ с	Важи од
valid_	til lejárata	Validu tot	Geldig do	Wazne do	Válido até	Valabil până la	Platné do	veljavno do	Voimassa ... asti	Giltigt till och med	действ до	Важи до
waterway	Yrziút	Passag fuq l- ilma	Waterway	Droga wodna	Via naviga	Numele vodi navigabile	Vodná cesta	vodna pot	Vesiväy	Vatten led	Водны путь	Водни пут
Waterway	Yrziút szakasza	Son passag fuq l- ilma	Waterway	Ogrod drogi wodnej	Froço via naviga	Secțiune căii vodne navigabile	Úsek vodnej cesty	odsek vodne poti	Vesiväy osa	Av vattenvä	Участок водного путь	Чео водного пути

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- (1) [OJ L 255, 30.9.2005, p. 152.](#)
- (2) Commission Regulation (EU) No 416/2007 of 22 March 2007 concerning the technical specifications for Notices to Skippers as referred to in Article 5 of Directive 2005/44/EC of the European Parliament and of the Council on harmonised river information services (RIS) on inland waterways in the Community ([OJ L 105, 23.4.2007 p 88](#)).
- (3) Commission Regulation (EC) No 414/2007 of 13 March 2007 concerning the technical guidelines for the planning, implementation and operational use of river information services (RIS) referred to in Article 5 of Directive 2005/44/EC of the European Parliament and of the Council on harmonised river information services (RIS) on inland waterways in the Community ([OJ L 105, 23.4.2007, p. 1](#)).
- (4) Commission Regulation (EC) No 415/2007 of 13 March 2007 concerning the technical specifications for vessel tracking and tracing systems referred to in Article 5 of Directive 2005/44/EC of the European Parliament and of the Council on harmonised river information services (RIS) on inland waterways in the Community ([OJ L 105, 23.4.2007, p. 35](#)).
- (5) The UN country codes are defined in accordance with point 2.4.2.12 of the Annex to Commission Regulation (EU) No 164/2010 ([OJ L 57, 6.3.2010, p. 1](#)). The UN country codes are identical to the ISO 3166-1 Alpha-2 country codes.
- (6) Description cited from the WS-I Website: <http://www.ws-i.org>

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