Notices to Skippers for Inland Navigation

International Standard

Edition 1.2

28.9.2006

Contents

Preface

In the recent years many countries have implemented internet-services for notices to skippers. Most of the existing services are providing information in the national language. As many notices are safety related or very important for the planning of voyages, the availability of all the notices for European waterways in all the languages would contribute to increasing safety and competitiveness of Inland Navigation.

This draft of an European standard has been developed by the “Notices to Skippers Expert Group”.

Introduction (Primary Functions and Performance)

The standardization of Notices to Skippers shall

- provide automatic translation of the most important content of notices in all the languages of the participating countries,
- provide a harmonized structure of data-sets in all the participating countries to facilitate the integration of notices in voyage-planning systems,
- provide a standard for water level information,
- be compatible with the data-structure of Inland ECDIS to facilitate integration of Notices to Skippers in Inland ECDIS,
- facilitate data-exchange between different countries.

It will not be possible to standardize all the information, which is contained in Notices to Skippers. Part of the information will be provided as “free text” without automatic translation. The standardized part should cover all the information which is

- 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)
- needed for voyage planning (for example: closure of locks, reduction of vertical clearance, ...)

Additional information (for example: cause of the closure of a lock) can be given as free text.

Data standard

Notices to Skippers shall be provided according to Annex 1, XML Message Specification. The use of free text should be restricted to a minimum.

Water level information

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 (Germany is using the Glw, “gleichwertiger Wasserstand”, for example, the Danube Commission is recommending the RNW, Regulierungs Niederwasser, which is defined slightly different. The vertical clearance is mostly referred to a high water level, but sometimes to low water level. The values of gauges are referring to different sea-levels or to special reference points). Therefore it is not possible to integrate water level information in systems for automatic calculation of clearances.

Appendix A of Annex 1 is containing a list of gauges relevant for inland navigation with their reference values. The water level information in the message can be referred to the zero point of a gauge, as it has been done in the past, and the on-board software can calculate the absolute height by use of the reference data of the standard.

Way of distribution

If the competent authorities provide Notices to Skippers of their own country in such a way, that they can be used by users of other languages, they shall be provided according to this standard in XML-format downloadable in the Internet. In order to enable a specific download, Internet services should provide a possibility to select:

- a specific waterway section (fairway section number of the ID according to Annex 1, Table 1) or
- a specific part of a waterway, defined by the river-km (fairway hectometer of the ID according to Annex 1, Table 1) of the starting and the end point;
- a time of validity (starting date and end date according to Annex 1, Table 1)
- and a date of publication of the notice (date of publication according to Annex 1, Table 1).

Notices according to this standard can additionally be provided for example by

- WAP services,
- E-mail services.

Data exchange between the authorities is recommended. All the authorities using this standard can integrate Notices of other authorities and countries in their own services. The participating parties (authorities) can agree the procedure of transmitting the XML messages by push or pull services directly.

Annex 1 - Structure of the messages and coding in XML-format

1. Introduction

This annex describes the structure and formatting of standardized electronic navigation information - messages that can be sent by local authorities to (inland) ships.

1.1 Edition overview

Edition	Date	Description
1.0	28.5.2004	Adoption by CCNR
1.1	27.4.2006	Amendments adopted by the CCNR Police Committee
1.2	28.9.2006	Amendments adopted by the CCNR RIS Group

Each document version is identified bottom left on each page.

2. Structure of the Notices to Skippers

2.1 General

Navigation messages, with navigation information for inland skippers about a geographical object have the following information sections:

- Identification of the message.
- Fairway and traffic related message.
- Water level related messages as:
  - Water level messages;
  - Least sounded depth - messages;
  - Vertical clearance - messages;
  - Barrage status - messages;
  - Discharge messages;
  - Regime messages;
  - Predicted water level - messages;
  - Least sounded predicted depth - messages;
  - Predicted discharge - messages.
- Ice messages.

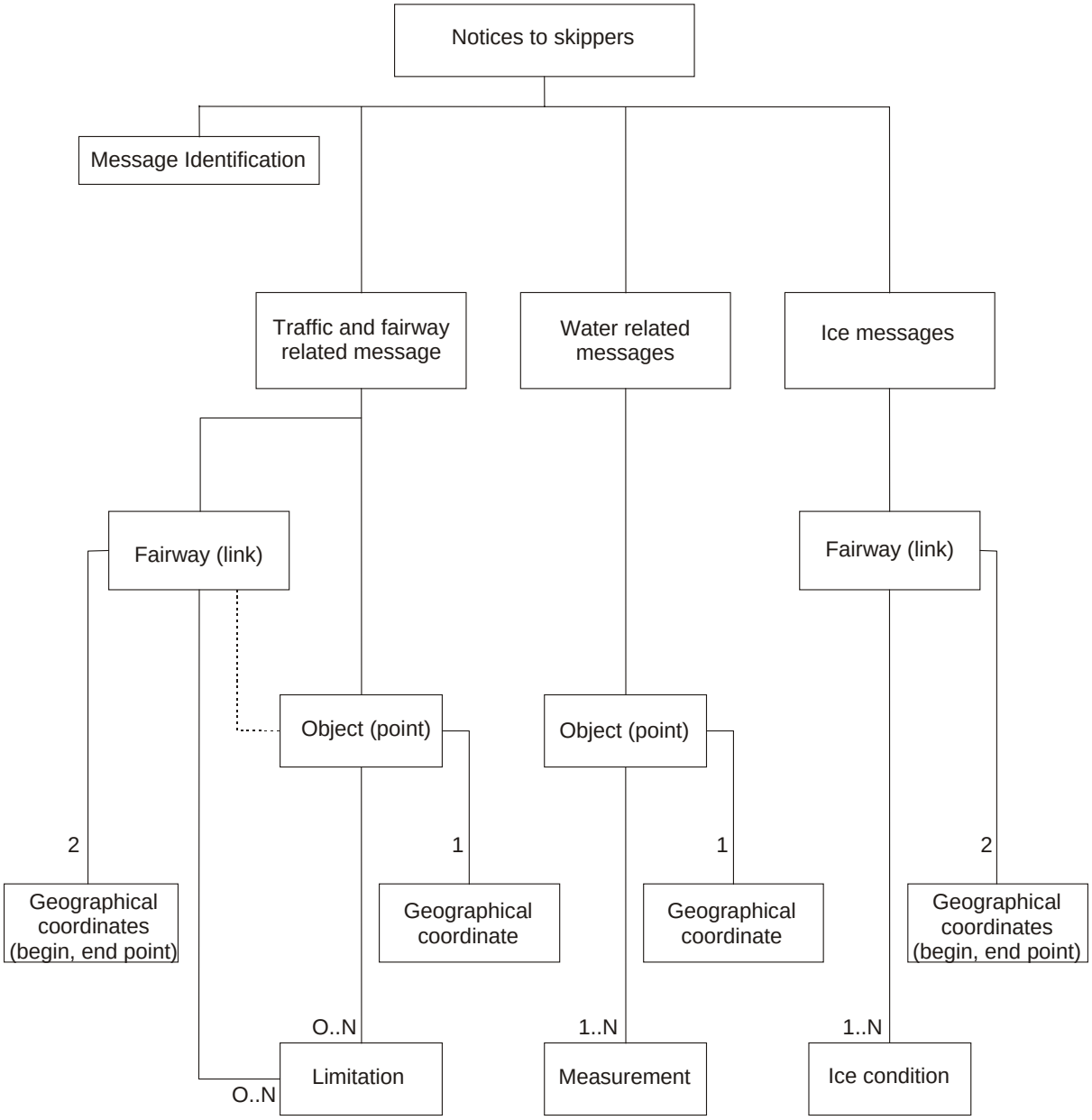

Figure 1 Navigation Message structure

A standardized message in XML-format contains therefore also 4 different sections:

- Identification
- Fairway and traffic related messages
- Water level related messages
- Ice messages

Normally in one message only 2 sections will be filled: The identification section and at least **one** of the sections: Notices to Skippers, Water level related or Ice message (mix of sections, different type of message information is not allowed).

The fairway and traffic related section contains limitations for a Fairway(link) or an Object. The diagram also shows that a Notice to Skippers relates to a Fairway **or** a geographical Object (point). If the message is about an Object the fairway section shall be filled with the related fairway information without the limitation section.
If one notice contains different limitations for different target groups or different communication information for different limitations, several fairway and traffic related sections with the same number can be used.

The Water level related message section contains measurements for an Object usually a tide gauge.

The Ice message section contains information about the ice conditions and for a fairway(link).

2.2 XML definition overview

This section gives an overview of the definition of the message coded in XML. Appendix-A contains a complete definition for all the XML elements including the possible formats.

Table 1, XML message specification

Nr.	Tag (Group headers and closers are boldly printed)	Description	Mandatory Conditional	Rule applicable
	<?xml version="1.0" encoding="iso-8859-1" ?>			
	<RIS_Message>	Notice to Skippers		
1s	**<identification>**	**Identification section**	M	1
1.1	<from>String</from>	Sender of the message	M	
1.2	<originator>Riza</originator>	Originator (initiator) of the information in this message	M	
1.3	<country_code>CH</country_code>	Country where message is valid	M	
1.4	<language_code>HU</language_code>	Original language used in the textual info. (contents)	M	
1.5	<district>WaddenZee</district>	District / Region within the specified country, where the message is applicable	C	
1.6	<date_issue>20011231<date_issue>	Date of editing	C	
1.7	<time_issue>1145<time_issue>	Time of editing	C	
1e	</identification>			
2s	**<ftm>**	**Fairway and traffic related section**	C	1
2.1	<year>2001</year>	Year of first issuing of the notice	M	
2.2	<number>9999</number>	Number of the notice (per year)	M	
2.3	<serial_number>99</serial_number>	Serial no of notice (replacements and withdrawals) original notice: 00	M	
2.4s	<target_group>	Target group information	C	
2.4.1	<target_group_code>ALL</target_group_code>	Target group (vessel type) for this message	M	Default: all
2.4.2	<direction_code>ALL</direction_code>	Upstream or downstream traffic, or both	M	Default:all
2.4e	</target_group>			
2.5	<subject_code>OBSTRU</subject_code>	Subject code	M	
2.6s	<validity_period>	Overall period of validity	M	
2.6.1	<date_start>20011231</date_start>	Start date of validity period	M	
2.6.2	<date_end>99999999</date_end>	End date of validity period (indefinite: 99999999)	M	
2.6e	</validity_period>			
2.7	<contents>String</contents>	Contents / notice text in original language	C	
2.8	<source>String</source>	Notice source (authority)	C	
2.9	<reason_code>REPAIR</reason_code>	Reason / justification of notice	C	
2.10s	<communication>	Communication channel information	C	
2.10.1	<reporting_code>INF</reporting_code>	Reporting regime (information or duty to report)	M	5
2.10.2	<communication_code>TEL</communication_code>	Communication code (telephone, VHF etc.)	M	5
2.10.3	<number>String</number>	Telephone, VHF number, e-mail address, URL or teletext	C	5
2.10e	</communication>			
2.11s	<fairway_section>	Fairway section, also available for objects (no. 2.12)	M	2
2.11.1s	<geo_object>	Geo information of fairway	M	
2.11.1.1	<id>String</id>	Unique id of the fairway section (1x or 2x)	M	
2.11.1.2	<name> String </name>	(Local) Name of the fairway section (f.e.: Rhine between bridge A and bridge B)	M	
2.11.1.3	<type_code>FWY</type_code>	Type of geographical object	M	Default: FWY
2.11.1.4s	<coordinate>	Fairway section begin and end coordinates (2x)	C	
2.11.1.4.1	<lat>42 34.1234 N</lat>		M	5
2.11.1.4.2	<long>123 45.1234 E</long>		M	5
2.11.1.4e	</coordinate>			
2.11.1e	</geo_object>			
2.11.2s	<limitation>	Fairway section limitations	C	
2.11.2.1s	<limitation_period>	Limitation periods / intervals	C	
2.11.2.1.1	<date_start>20011231</date_start>	Start date of limitation period (overall)	M	5
2.11.2.1.2	<date_end>20011231</date_end>	End date of limitation period	C	
2.11.2.1.3	<time_start>1420</time_start>	Start time of limitation period	C	
2.11.2.1.4	<time_end>0500</time_end>	End time of limitation period	C	
2.11.2.1.5	<interval_code>SAT</interval_code>	Interval for limitation if applicable	C	

Nr.	Tag (Group headers and closers are boldly printed)	Description	Mandatory Conditional	Rule applicable
2.11.2.1.e	</limitation_period>			
2.11.2.2	<limitation_code>OBSTRU</limitation_code>	Kind of limitation	M	5
2.11.2.3	<position_code>AL</position_code>	Position, which side	M	5, default: all
2.11.2.4	<value>3.14159</value>	Value of limitation (i.e. max draught)	C	
2.11.2.5	<reference_code>NAP</reference_code>	Value reference	C	
2.11.2.6	<indication_code>MAX</indication_code>		C	
2.11.2e	</limitation>			
2.11.e	</fairway_section>			
2.12s	<object>	Object section ()	C	3
2.12.1s	<geo_object>	Geo Information of object	M	5
2.12.1.1.	<id>String</id>	Unique id of the geographical object	M	5
2.12.1.2	<name>String</name>	(Local) Name of the geographical object	M	5
2.12.1.3	<type_code>FWY</type_code>	Type of geographical object	M	5
2.12.1.4s	<coordinate>	Object coordinates (1x)	C	
2.12.1.4.1	<lat>42 34.1234 N</lat>		M	5
2.12.1.4.2	<long>123 45.1234 E</long>		M	5
2.12.1.4e	</coordinate>			
2.12.1e	</geo_object>			
2.12.2s	<limitation>	Object limitation section	C	
2.12.2.1s	<limitation_period>	Limitation periods / intervals	C	
2.12.2.1.1	<date_start>20011231</date_start>	(see <fairway section>)	M	5
2.12.2.1.2	<date_end>20011231</date_end>		C	
2.12.2.1.3	<time_start>1420</time_start>		C	
2.12.2.1.4	<time_end>0500</time_end>		C	
2.12.2.1.5	<interval_code>SAT</interval_code>		C	
2.12.2.1e	</limitation_period>			
2.12.2.2	<limitation_code>OBSTRU</limitation_code>		M	5
2.12.2.3	<position_code>AL</position_code>		M	5, default: all
2.12.2.4	<value>3.14159</value>		C	
2.12.2.5	<reference_code>NAP</reference_code>		C	
2.12.2.6	<indication_code>MAX</indication_code>		C	
2.12.2e	</limitation>			
2.12[e]	</object>			
2e	</ftm>			

3s	**<wrm>**	**Water level related section**	C	1
3.1s	<validity_period>	Overall period of validity of water level message	C	
3.1.1	<date_start>20011231</date_start>	Start date of validity period	M	5
3.1.2	<date_end>20011231</date_end>	End date of validity period	M	5
3.1e	</validity_period>			
3.2s	<geo_object>	Geo Information of measurement location, tide gauge	M	5
3.2.1	<id>String</id> (Waterway section)	Unique id of the geographical object	M	5
3.2.2	<name>String</name> (Pegelname)	(Local) Name of the geographical object	M	5
3.2.3	<type_code>FWY</type_code>	Type of geographical object	M	5, default: FWY
3.2.4s	<coordinate>	Object coordinates (1x or 2x)	C	
3.2.4.1	<lat>42 34.1234 N</lat>		M	5
3.2.4.2	<long>123 45.1234 E</long>		M	5
3.2.4e	</coordinate>			
3.2.e	</geo_object>			
3.3	<reference_code>NAP</reference_code>	Value reference (measurement reference)	C	6
3.4s	<measure>	Measurements (normal or predicted values)	M	5
3.4.1	<predicted>1</predicted>	Predicted measurement (1) or real measurement (0)	M	5
3.4.2	<measure_code>DIS</measure_code>	Kind of water level related information	M	5
3.4.3	<value>314159</value>	Value	C	6
3.4.4	<difference>314159</difference>	Difference with previous measurement	C	

Nr.	Tag (Group headers and closers are boldly printed)	Description	Mandatory Conditional	Rule applicable
3.4.5	<barrage_code>OPD</barrage_code>	Barrage status	C	
3.4.6	<regime_code>HIG</regime_code>	Regime applicable	C	
3.4.7	<measuredate>20011231</measuredate>	Date of measurement	M	5
3.4.8	<measuretime>1420</measuretime>	Time of measurement	M	5
3.4e	</measure>			
3e	</wrm>			

4s	**<icem>**	**Ice related section**	C	1
4.1s	<validity_period>	Overall period of validity of ice information	C	
4.1.1	<date_start>20011231</date_start>	Start of validity period	M	5
4.1.2	<date_end>20011231</date_end>	End of validity period	M	5
4.1e	</validity_period>			
4.2s	<fairway_section>	Fairway	M	5
4.2.1	<geo_object>	Geo Information of fairway location	M	5
4.2.1.1	<id>String</id>	Unique id of the fairway section (1x or 2x)	M	5
4.2.1.2	<name>String</name>	(Local) Name of the fairway section	M	5
4.2.1.3	<type_code>FWY</type_code>	Type of geographical object	M	5, default: FWY
4.2.1.4	<coordinate>	Fairway section begin and end coordinates (2x)	C	
4.2.1.4.1	<lat>42 34.1234 N</lat>		M	5
4.2.1.4.2	<long>123 45.1234 E</long>		M	5
4.2.1.4e	</coordinate>			
4.2.1e	</geo_object>			
4.2e	</fairway_section>			
4.3s	<ice_condition>	Ice conditions	M	5
4.3.1	<measuredate>20011231</measuredate>	Date of measurement	M	5
4.3.2	<measuretime>1420</measuretime>	Time of measurement	M	5
4.3.3	<ice_condition_code>A</ice_condition_code>	Condition code	C	4
4.3.4	<ice_accessibility_code>A</ice_accessibility_code>	Accessibility code	C	4
4.3.5	<ice_classification_code>A</ice_classification_code>	Classification code	C	4
4.3.6	<ice_situation_code>A</ice_situation_code>	Situation code	C	4
4.3e	</ice_condition>			
4e	</icem>			
	</RIS_Message>			

Rules applicable to table 1:

1 In one message at least 2 sections have to be filled in:
- the identification section (1)
- one of the sections:
  - Fairway and traffic related messages (2),
  - Water level related message (3)
  - Ice message. (4)

2 Group 2.11 (fairway section) is also available for object related messages (no. 2.12)

3 Group 2.12 (objects) is not available for fairway related messages (no. 2.11)

4 In group 4.3, at least one of the conditional elements 4.3.3 to 4.3.6 have to be filled in

5 If a conditional group contains mandatory subgroups or elements these are only mandatory if the group on the higher level is applied.

6 Only mandatory for water levels and vertical clearances

2.3 Explanation of tags

The meaning of the different tags used in the XML definition is described on the page “Tags” of appendix A.

2.4 Explanation of codes

The meaning of the different codes used in the XML definition is described in Appendix A.
The formats and possible values of all XML elements are described in the XML Scheme in Appendix B.

Viewpoints/considerations - notices to skippers

- Notices can be divided into two categories, namely URGENT and NOT URGENT. Urgent notices always contain a limitation for shipping traffic. There must therefore be one or more records in the **limitations** section. If there is no limitation section the message is not urgent.
- Lat Long coordinates are referred to WGS 84 and presented in degrees and minutes with at least three, but preferable four decimals (dd mm.mmmm N, ddd mm.mmmm E)
- Decimals in numeric fields are indicated with a . (period). No thousand separators are used.
- Only cm, m³/s, h, km/h and kW are allowed to be used as units.
- For Waterways there is no Objects section. For Objects (bridges etc) the waterway section shall be included.
- The LOCODE according to the Ship Reporting Standard has to be used as unique ID.

2.4.1 Subject codes assigned to the notices to skippers

Blockage — In case no form of navigation is possible:

- through all the lock chambers of a lock;
- through all the passages of a bridge;
- passing a specified point on the fairway;
- on a specified section of the fairway.

Partial obstruction — In case limited navigation is possible:

- through one or more lock chambers of a lock, leaving at least one open;
- through one or more passages of a bridge, leaving at least one open;
- passing a specified point on the fairway, leaving a part of the fairway open.

Delay — In case an obstruction occurs, limited in time, at a bridge, lock or on a section, between a specified start and end date.
For example. Delay of at most 2 hours on November 13 between 08:00 and 17:00.
Encoded:

date_start:	*20021113*
date_end:	*20021113*
time_start	*0800*
time_end:	*1700*
limitation_code:	*Delay*
Position_code:	*all*
value:	*2*

No service	In case a movable bridge is not operated during a specified period. This period should lie within the normal operating hours. No service of a lock is an Obstruction or Delay. No service of a movable bridge means that passing under the bridge still is possible. Otherwise it is an Obstruction.
Change Service	In case a modification in the normal operating hours occurs at a lock or bridge Normally this means a limitation of the operating hours, due to work, rather than an increase. A limitation in the operating hours of a lock usually implies an obstruction For example if a lock normally is operated between 06:00 and 20:00, and the operating hours are now limited to between 10:00 and 14:00, then this will result in an obstruction between 06:00 and 10:00 and another obstruction between 14:00 and 20:00. A limitation in the operating hours of a bridge usually implies “No Service”.
Vessel length	In case somewhere a smaller maximum length for passing vessels is allowed / possible. Usually this occurs at a lock (half lock chamber).
Clearance width	In case somewhere a smaller maximum width for passing vessels is available. This occurs during work on a lock / bridge. This subject is also used if the available width of the fairway is less, even if this has no influence on the maximum available width of the waterway.
Vessel air draught	In case somewhere a smaller maximum height for passing vessels is allowed.
Clearance height	This occurs also if the vertical clearance is locally decreased by for example painting equipment
Vessel draught	In case somewhere a smaller maximum draught for passing vessels is allowed.
Available depth	In case the least sounded depth is modified. This has no impact on the maximum draught.
No mooring	In case somewhere on the fairway mooring is not allowed.
Change of marks	In case a change occurs in the fairway marks used for navigational purposes, such as buoys, beacons, sectorlights, notice marks, etc.
Work	Other activities on or near the fairway which do not fall within the mentioned subjects

Dredging — Dredging activities for which none of the other mentioned subjects are valid

Exercises — Exercises for which none of the other mentioned subjects are valid

Event — Events (rowing competitions, fireworks etc.) where none of the other mentioned subjects are valid

Announcement — All other notices where none of the other (structured) subjects are valid

Notice withdrawn — The message has to be published as a serial number of the original message

If for one single message more subjects are possible, then the limitation with the greatest impact on shipping traffic is selected.

2.4.2 Explanation of Ice codes

The meaning of the ice codes used in the XML definition is described in Appendix A.

The thickness indicated in column 2 of the ice_condition_code gives information on average thickness only. The description has to be used to select the code for a specific situation.

2.4.3 Encoding of limitation periods

The limitation period has to be encoded by
- date_start
- date_end
- time_start
- time_end
- interval_code

As the limitation period is very important for voyage planning, limitation periods have to be encoded in accordance with the following examples:

Limitation period	date_start	date_end	time_start	time_end	Interval_code
2005-01-01, 07:00 to 2005-01-31, 20:00	20050101	20050131	0700	2000	Continous (C)
2005-01-01 to 2005-01-31, each day from 07:00 to 20:00	20050101	20050131	0700	2000	Daily (M)
2005-01-01 to 2005-01-31, every working day (Monday to Friday) from 07:00 to 20:00	20050101	20050131	0700	2000	Monday to friday (M)
2005-01-01 to 2005-01-21, each week from Monday 07:00 to Friday 20:00	20050103	20050107	0700	2000	Continous (C)
	20050110	20050114	0700	2000	Continous (C)
	20050117	20050121	0700	2000	Continous (C)
2005-01-01 to 2005-01-31, each day from 07:00 to 20:00 with the exception of 2005-01-06	20050101	20050131	0700	2000	Daily (M)
	20050106	20050106			With the exception of (M)

XML Tag	Meaning (EN)	Meaning (NL)	Meaning (FR)	Meaning (DE)	Meaning (SK)	Meaning (HU)	Meaning (HR)	Meaning (CS)	Meaning (BG)	Meaning (RO)	Meaning (RU)
RIS_message	RIS message	RIS bericht	Message RIS	RIS Nachricht	Správa RIS	RIS üzenet	RIS poruka	RIS poruka	RIS (РИС) съобщение	Mesaj RIS	Сообщение РИС
Identification	(Identification section)	identificatie sectie	(Identification)	(Identifikationsabschnitt)	Identifikačná sekcia	(Azonosítási szakasz)	Identifikacijski dio	(Identifikacioni deo)	Идентификационен раздел	(element de identificare)	Идентификация
From	Sender of the message	afzender van het bericht	Expéditeur du message	Absender	Odosielateľ správy	Az üzenet feladója	Pošiljatelj	Pošiljalac poruke	Подател	Expeditorul mesajulu	Отправитель
Originator	Originator of the information	oorsprong van de informatie	Auteur des informations	Urheber der Nachricht	Pôvodca správy	Az információ forrása	Izvor informacija	Poreklo-izvor informacije	Автор на информацията	Autorul informatiilor	отправитель информации
Country_code	Country where message is valid	land waar bericht geldt	Pays dans lequel le message est valable	Betroffenes Land	Krajina platnosti správy	Az ország, amelyben az üzenet érvényes	Država gdje poruka vrijedi	Država u kojoj poruka važi	Държава, в която е валидно съобщението	Țara in care mesajul este valabil	Код страны сообщения
Language_code	Original language	originele taal	Langue d'origine	Originalsprache	Originálny jazyk	Eredeti nyelv	Originalni jezik	Izvorni jezik	Оригинален език	Limba de origine	Язык сообщения
District	District/region within country	district/regio in een land	Région	Betroffenes Gebiet im Land	Región	Az országon belüli terület/ régió	Područje unutar države	Oblast-region u državi	Регион от държавата	Regiune	Область в стране
date_issue	Date of issue	datum van uitgifte	Date de publication	Herausgabedatum	Dátum vydania	Kiadás dátuma	Datum izdavanja	Datum izdavanja	Дата на издаване	Data emiterii	Дата составления
time_issue	Time of issue	tijd van uitgifte	Heure de publication	Herausgabezeit	Čas vydania	Kiadás ideje	Vrijeme izdavanja	Vreme izdavanja	Час на издаване	Ora emiterii	Время составления
ftm	Fairway and traffic related message	scheepvaartbericht	Avis à la batellerie	Wasserstraßen- und verkehrsbezogene Nachricht	Správa vodcom plavidiel	Hajósoknak szóló hirdetmény	Priopćenju brodarstvu	Obaveštenje kapetanima	Известие да корабоплавателя	Aviz către navigatori	Сообщения касательно фарватера и движения по нему судов
Year	Year	jaar	Année	Jahr	Rok	Év	Godina	Godina	Година	Anul	год
Number	Number (of the notice)	uniek volgnummer scheepvaartbericht	Numéro (de l'avis)	Nummer (der Nachricht)	Číslo správy	(A hirdetmény száma)	Broj (poruke)	Broj (obaveštenja)	Номер	Numărul (avizului)	номер
Serial_number	Serialnumber	serienummer scheepvaartbericht	Numéro de série	Versionsnummer	Číslo verzie (série)	Sorozatszám	Serijski broj	Serijski broj	Сериен номер	Numărul de serie	серийный номер
Target_group	(Target group section)	doelgroep	Type d´usagers concernés	(Zielgruppenabschnitt)	Cieľová skupina	(Célcsoport szakasz)	(Odjeljak ciljne grupe)	(Deo ciljne grupe)	Раздел за група получатели	Grupul de utilizatori avuți în vedere	группа получателей
Target_group_code	Target group code	doelgroep	Code usagers concernés	Zielgruppe	Kód cieľovej skupiny	Célcsoport kód	Oznaka ciljane skupine	Šifra ciljne grupe	Код на групата получатели	Codul grupului de utilizatori avuți în vedere	код группы получателей
Direction_code	Traffic Direction code	richting	Sens de parcours	Richtung	Kód smeru premávky	Forgalmi irány kód	Oznaka smjera prometa	Šifra pravca plovidbe	Код за направление	Codul sensului de circulație	код направления движения
Subject_code	Subject	onderwerp	Sujets de l´avis	Betrifft	Predmet	Tárgy	Predmet	Subjekat	Код за предмет (тема, причина)	Subiectul avizului	тема сообщения
Validity_period	Period of validity	geldigheidsperiode	Période de validité	Zeitlicher Geltungsbereich	Doba platnosti	Érvényességi időszak	Rok valjanosti	Rok važnosti	Срок на валидност	Perioada de valabilitate	срок действия
Date_start	From (yyyymmdd	startdatum (jjjjmmdd)	Date de début (aaaammjj)	Ab (jjjjmmtt)	Od (rrrrmmdd)	Tól (év, hó, nap)	Od (ggggmmdd)	Od (ggggmmdd)	От дата (ddmmyyyy)	Data de inceput	дата начала
Date_end	Until (yyyymmdd	einddatum (jjjjmmdd	Date de fin (aaaammjj)	Bis (jjjjmmtt)	Do (rrrrmmdd)	Ig (év, hó, nap)	Do (ggggmmdd)	Do (ggggmmdd)	До дата (ddmmyyyy)	Data de sfirsit	дата окончания
Contents	Contents	bericht inhoud / tekst	Contenu	Text	Text / Obsah	Tartalom	Sadržaj	Sadržaj	Съдържание	Continut	содержание
Source	Notice source (authority)	bron van de informatie	Source	Herausgeber der Nachricht	Zdroj správy	A hirdetmény kibocsátója (hatóság)	Izvor priopćenja	Izvor obaveštenja (organ)	Източник на съобщението (администрация)	Sursa avizului (autoritatea)	Источник информации
Reason_code	Reason of notice	reden	Evènement	Grund der Nachricht	Dôvod správy	A hirdetmény indoka	Razlog priopćenja	Razlog obaveštenja	Причина за съобщението	Codul evenimentului	код назначения сообщения
Communicatior	(Communication section	communicatie sectie	Canal d'information	Information zu	Informácie o	Kommunikációs csatorna	Informacije o	Informacije o	Раздел за канала на	Mijloc de comunicatie	канал связи в секторе
Reporting_code	Reporting regime	meldingsregime	Obligation de s'annoncer	Meldungsart	Režim hlásení	A jelentést küldő rendszer	Režim javljanja	Režim izveštavanja	Режим за известяване	Modul de raportare	код отчета
Communication_code	Means of communication	communicatiemiddel	Moyen de communication	Kommunikationsweg	Komunikačné prostriedky	Kommunikációs eszköz	Sredstvo komunikacije	Sredstvo komunikacije	Код на средство за свръзка	Codul mijlocului de comunicație	код обозначения раздела
Number (Communication section)	Number or address	communicatie nr, kanaal of adres	Numéro ou adresse	Nummer oder Adresse	Číslo alebo adresa	Szám vagy cím	Broj ili adresa	Broj ili adresa	Номер или адрес	Numărul adresei	номер раздела
Fairway_section	Waterway or fairway section	vaarweg sectie	Voie ou partie de voie	Wasserstraße oder (-bereich)	Vodná cesta (alebo úsek plavebnej dráhy)	Víziút vagy hajóút szakasz	Odjeljak za vodni ili plovni put	Plovni put ili sektor plovnog puta	Плавателен воден път или участък от плавателен път	Secțiunea de cale navigabilă sau șenal	часть фарватера или навигационного пути
Geo_object	(geo information of waterway or object)	geografische info over vaarweg	(Géo-Objet de référence pour la voie)	(geografische Definition der Wasserstraße)	Geografické informácie o vodnej ceste alebo o objekte	(a víziút vagy objektum geo információja)	Geografske informacije o vodnom putu ili objektu	Geo informacije plovnog puta ili objekta	Географска информация за водния път или обекта	(Informația geografică despre calea navigabilă sau obiect)	информация по данной части фарватера или навигационного пути
Id (Geo_Object section)	Identification	uniek ID van het geografische object	Identifiant	Identifikation	Identifikácia	Azonosítás	Identifikacija	Identifikacija	Идентификация (на Географския обект)	Identificator	Обозначение
Name (Geo_Object section)	Name of Geo object	naam van het geografische object	Toponyme	Bezeichnung des Geoobjekts	Názov geografického objektu	A földrajzi objektum neve	Ime geo objekta	Naziv geo objekta	Наименование на Географския обект	Numele obiectului geografic	Название объекта
Type_code (Geo_Object section)	(Type of waterway)	type geografisch object	Type de voie	(Wasserstraßentyp)	Typ vodnej cesty	(A vízi út típusa)	Vrsta vodnog puta	(Vrsta plovnog puta)	Тип на водния път или обекта	(Tipul căii navigabile)	Тип форватера или навигационного пути
Coordinate	Fairway begin and end coordinates	vaarweg begin en eind coördinaten	Coordonnées de début et fin de la voie	Koordinaten der Anfangs- und Endpunkte	Súradnice začiatku a konca plavebnej dráhy	A hajóút kezdetének és végének koordinátái	Koordinate početka i kraja plovnog puta	Početna i krajnja koordinata plovnog puta	Раздел за координати	Coordonatele începutului și sfârșitului secțiunii	Координаты начала и окончания части фарватера или навигационного пути
Lat (Coordinate)	Latitude (decimal)	breedte coördinaat (decimaal)	Latitude (décimale)	Breitengrad (Dezimalzahl)	Zemepisná šírka (desatinné číslo)	Szélesség (decimális)	Geografska širina (decimalnno)	Geografska širina (decimalnno)	Географска ширина (стойност)	Latitudine (fracțiuni zecimale)	Широта
Long (Coordinate)	Longitude (decimal)	lengte coördinaat (decimaal)	Longitude (décimale)	Längengrad (Dezimalzahl)	Zemepisná dĺžka (desatinné číslo)	Hosszúság (decimális)	Geografska dužina (decimalno)	Geografska dužina (decimalno)	Географска дължина (стойност)	Longitudine (fracțiuni zecimale)	Долгота

Limitation	Limitation section	beperkingen sectie	Restriction	Art der Beschränkung	Obmedzujúci úsek	Korlátozott szakasz	Odjeljak za ograničenja	Sektor ograničenja	Раздел за ограничения	Limitarea secţiunii	Раздел ограничений
Limitation_period	(Limitation) periods/intervals	beperkingsperiode	Durée de la restriction	Zeiten (der Beschränkung)	Čas (obdobie) obmedzenia	Korlátozási időszak/időtartam/időköz	Trajanje (ograničenja)	(Ograničenje) period/interval	Раздел за срок/интервал на действие на ограничението	Durata limitării	срок/интервал действия ограничений
Date_start (Limitation_period)	From (yyyymmdd)	startdatum (jjjjmmdd)	Date de début (aaaammjj)	Ab (jjjjmmtt)	Od (rrrrmmdd)	Tól (év, hó, nap)	Od (ggggmmdd)	Od (ggggmmdd)	От дата (ddmmyyyy)	Data de inceput (aaalalzz)	начало действия ограничения (ггггммдд)
Date_end (Limitation_period)	Until (yyyymmdd)	einddatum (jjjjmmdd)	Date de fin (aaaammjj)	Bis (jjjjmmtt)	Do (rrrrmmdd)	Ig (év, hó, nap)	Do (ggggmmdd)	Do (ggggmmdd)	До дата (ddmmyyyy)	Data de sfârşit (aaaallzz)	Дата окончания действия ограничения (ггггммдд)
Time_start (Limitation_period)	From (hhmm)	starttijd (uumm)	Heure de début (hhmm)	Ab (hhmm)	Od (hhmm)	Tól (óra, perc)	Od (ggggmmdd)	Od (hhmm)	От час (hhmm)	Ora de început (hhmm)	Время (ччмм) начала
Time_end (Limitation_period)	Until (hhmm)	eindtijd (uumm)	Heure de fin (hhmm)	Bis (hhmm)	Do (hhmm)	Ig (óra, perc)	Do (ggggmmdd)	Do (hhmm)	До час (hhmm)	Ora de sfârşit (hhmm)	Время (ччмм) окончания
Interval_code (Limitation_period)	Interval	interval	Périodicité	Intervall	Interval	Időköz	Interval	Interval	Интервал	Interval	Период
Limitation_code	Kind of limitation	soort beperking	Code de la restriction	Beschränkung	Druh obmedzenia	Korlátozás jellege	Vrsta ograničenja	Vrsta ograničenja	Вид ограничение	Felul limitării	Тип ограничения
Position_code	Position (of limitation)	positie van beperking	Position sur la voie	Lage (der Beschränkung)	Poloha obmedzenia	Korlátozás helye	Pozicija (ograničenja)	Pozicija (ograničenja)	Място (на ограничение)	Poziţia	Позиция
Value	Numerical value (of limitation)	waarde	Valeur	Ziffernangabe (der Beschränkung)	Číselná hodnota (obmedzenia)	Korlátozás számértéke	Brojčana vrijednost (ograničenja)	Numerička vrednost (ograničenja)	Числова стойност (на ограничението)	Valoare numerică	Объем ограничений
Reference_code	Value reference	waarde referentie	Référentiel de la valeur	Bezugssystem	Jednotka	Egység	Jedinica	Jedinica	Мерна единица	Valoare de referinţă	
Indication_code	Indication of limitation			Angabe des Beschränkungswertes	Indikácia obmedzenia	Korlátozás jelzése					
Object	Object	object (sluis, brug, enz)	Objet	Objekt	Objekt	Objektum	Objekt	Objekat	Обект	Obiect	Объект
Geo_object section for an Object	(geo information of object)	geografische informatie van het object	Géo-Objet de référence pour l'objet	(geografische Definition des Objekts)	Geografické informácie o objekte	Az objektum földrajzi adatai	(geografske informacije o objektu)	(Geo informacije objekta)	Раздел географска информация за обекта	(Poziţionarea obiectului)	Информация о объекте
Type_code (Geo_object section)	(type of object)	type object	Type	(Objekttyp)	Typ objektu	(Objektum típusa)	(vrsta objekta)	(vrsta objekta)	Тип на обекта	(Tipul obiectului)	Тип объекта
Coordinate (Geo_object section)	Object coordinates	object coördinaten	Coordonées *	Koordinaten des Objekts	Súradnice objektu	Objektum koordinátái	Koordinate objekta	Koordinate objekta	Координати на географския обект	Coordonatele obiectului	Координаты объекта
Wrm	Water related message	watergerelateerde berichten	Message sur les hauteurs d'eau	Wasserstandsmeldung	Správa o vodnom stave	Vízállás jelentés	Poruka o stanju vode	Poruka u vezi vode	Съобщение във връзка с водата	Date despre apă	Информация о уровне воды
Measure	Measurements (normal or predicted)	meetwaarden (gemeten of voorspeld)	Localisation de la mesure	Art der Werte (Messwerte oder Prognosen)	Merania (normálne alebo predpovedané)	Értékek meghatározása (mért v. előrejelzett)	Mjerenja (izmjerena ili prognozirana)	Merenja(stvarna ili prognoza)	Раздел за размери и стойности (типични или прогнозни)	Secţiunea de măsurare	Значение уровня воды (нормальное и ожидаемое)
predicted	Prediction	voorspelling	Prévision	Vorhersage	Predpoveď	Előrejelzés	Prognoza	Prognoza	Прогноза	Prognozat	Прогноз
Measure_code	Kind of water related information	soort meetwaarde	Code de la mesure	Art der Wasserstandsmeldung	Druh správy o vodnom stave	A vízállás információ fajtája	Vrsta informacije o vodi	Vrsta informacije u vezi vode	Код за мерни единици свързани с водата	Codul măsurătorilor	Тип сообщения о уровне воды
Difference	Difference	verschil t.o.v. vorige meting	Différence	Änderung	Rozdiel	Eltérés	Razlika	Razlika	Разлика	Diferenţa	Разница
Barrage_code	Barrage	stuw status	Etat du barrage	Wehrstellung	Hať	Duzzasztómű	Pregrada	Brana	Бараж	Baraj	Плотина
Regime_code	Water regime	soort regime	Type de régime	Abflussregime	Vodný režim	Vízjárás	Režim vodeng toka	Vodni režim	Воден режим	Nivelul apei	Водный режим
Measuredate	Measuredate (yyyymmdd)	meetdatum (jjjjmmdd)	Date de mesure (aaaammjj)	Messdatum (jjjjmmtt)	Dátum merania (rrrrmmdd)	Mérés dátuma (év, hó, nap)	Datum mjerenja (ggggmmdd	Datum merenja (ggggmmdd)	Дата на измерване (ddmmyyyy)	Data măsurătorii	Дата измерения (ггггммдд)
Measuretime	Measuretime (hhmm)	meettijd (uumm)	Heure de mesure (hhmm)	Messzeit (hhmm)	Čas merania (hhmm)	Mérés időpontja (óra, perc)	Vrijeme mjerenja (ssmm)	Vreme merenja (hhmm)	Час на измерване (hhmm)	Ora măsurătorii	Время измерения (ччмм)
Icem	Ice message	ijsbericht	Message concernant la glace	Eismeldung	Správy o ľadochode	Jégjelentés	Poruka o ledu	Poruka u vezi leda	Съобщение във връзка с леда (ледоход)	Date privind gheaţa	Ледовые сообщения
Ice_condition	Ice condition	ijsconditie	Conditions de glace	Eisbeschaffenheit	Ľadové podmienky	Jégállapot	Stanje leda	Uslovi leda	Код за състоянието на леда	Condiţiile gheţii	Ледовые условия
Ice_condition_code	Ice condition	ijsconditie	Conditions de glace	Eisbeschaffenheit	Ľadové podmienky	Jégállapot	Stanje leda	Uslovi leda	Код за състоянието на леда	Condiţiile gheţii	Ледовые условия
Ice_accessibility_code	Accessibility	toegankelijkheid	Accessibilité	Befahrbarkeit	Dostupnosť	Hajózhatóság	Plovnost	Dostupnost	Код за достъпност при наличие на лед (ледоход)	Accesibilitate	Возможности плавания
Ice_classification_code	Ice classification	classificatie	Classification de la glace	Eisklasse	Klasifikácia ľadochodu	Jég osztályozás	Klasifikacija leda	Klasifikacija leda	Класификация (описание) на леда	Clasificarea ghetii	Тип льда

Value	Meaning (EN)	Meaning (NL)	Meaning (FR)	Meaning (DE)	Meaning (SK)	Meaning (HU)	Meaning (HR)	Meaning (CS)	Meaning (BG)	Meaning (RO)	Meaning (RU)	Meaning (CZ)
CLD	Barrage Closed	stuw is gesloten	Barrage relevé	Wehr ist geschlossen	hať je zatvorená	Duzzasztómű zárva	Brana zatvorena	Brana zatvorena	Баражът е затворен	Baraj închis	Плотина закрыта	jez je uzavřen
OPG	Barrage Opening	stuw wordt geopend	barrage se couchant	Wehr wird geöffnet	hať sa otvára	Duzzasztóműv et nyitják	Brana se otvara	Brana se otvara	Баражът се отваря	Baraj în deschidere	Плотина открывается	jez se otvírá
CLG	Barrage Closing	stuw wordt gesloten	Barrage se relevant	Wehr wird geschlossen	hať sa zatvára	Duzzasztóműv et zárják	Brana se zatvara	Brana se zatvara	Баражът се затваря	Baraj în închidere	Плотина закрывается	jez se zavírá
OPD	Barrage Opened, no navigation through barrage	stuw is geopend, maar geen doorvaart via stuw	Barrage couché, franchissement interdit	Wehr ist geöffnet, keine Schifffahrt durch das Wehr	hať je otvorená, preplávanie cez hať zakázané	Duzzasztómű nyitva, de áthajózás a duzzasztóműv ön nem megengedett	Brana otvorena	Brana otvorena	Баражът е отворен, движението през него е забранено	Baraj deschis, nu se navigă	Плотина открыта, но движение судов запрещено	jez je otevřen, zákaz plavby přes jez
OPN	Barrage laid, opened for navigation through barrage	stuw is geopend voor scheepvaart via stuw	Barrage ouvert à la navigation	Wehr ist geöffnet, Schifffahrt durch das Wehr	hať je otvorená pre plavbu	Duzzasztómű az áthajózás számára megnyitva	Ustava otvorena za plovidbu	Ustava spuštena, plovidba slobodna	Свободна навигация през баража	Baraj deschis pentru navigație	Плотина открыта для движения судов	jez je otevřen pro plavbu

Value	Meaning (EN)	Meaning (NL)	Meaning (FR)	Meaning (DE)	Meaning (SK)	Meaning (HU)	Meaning (HR)	Meaning (CS)	Meaning (BG)	Meaning (RO)	Meaning (RU)	Meaning (CZ)
TEL	Telephone	telefoon	Téléphone	Telefon	Telefón	telefon	Telefon	Telefon	Телефон	Telefon	Телефон	telefon
VHF	VHF	marifoonkanaal	VHF	UKW	VHF	rádiótelefon	VHF	VHF	УКВ връзка	VHF	Радиосвязь на УКВ	VKV
EM	E-mail	e-mail	Courriel	E-mail	E-mail	e-mail	E-mail	E-mail	Електронна поща (e-mail)	E-mail	Электроное сообщение	E-mail
INT	Internet	internet	Site internet	Internet	Internet	Internet	Internet	Internet	Интернет	Internet	Интернет	Internet
TXT	Teletext	teletekst	Télétexte	Teletext	Teletex	teletext	Teletekst	Teletekst	Телетекст	Teletext	Телекс	Teletext
FAX	Telefax	fax	Télécopie	Telefax	Telefax	telefax	Telefaks	Telefaks	Факс	Telefax	Факс	Telefax
LIG	light signalling	lichtsignaal	signalisation lumineuse	Lichtsignal	svetelná signalizácia	fényjelzés	svjetlosna signalizacija	Svetlosno signaliziranje	Светлинна сигнализация	Semnal luminos	Световые сигналы	světelný signál
FLA	flag signalling	vlagsignaal	pavillon	Flaggensignal	vlajková signalizácia	lobogójelzés	signalizacija zastavama	Signaliziranje zastavom	Флагова сигнализация	Semnal cu steguleţe	Сигналы флагами	vlajková signalizace
SOU	sound signalling	geluidssein	signalisation sonore	Tonsignal	zvuková signalizácia	hangjelzés	zvučna signalizacija	Zvučno signaliziranje	Звукова сигнализация	Semnal sonor	Звуковые сигналы	zvukový signál

Value	Meaning (EN)	Meaning (NL)	Meaning (FR)	Meaning (DE)	Meaning (SK)	Meaning (HU)	Meaning (HR)	Meaning (CS)	Meaning (BG)	Meaning (RO)	Meaning (RU)	Meaning (CZ)
AT	Austria	Oostenrijk	Autriche	Österreich	Rakúsko	Ausztria	Austrija	Austrija	Австрия	Austria	Австрия	Rakousko
DE	Germany	Duitsland	Allemagne	Deutschland	Nemecko	Németország	Njemačka	Nemačka	Германия	Germania	Германия	Německo
FR	France	Frankrijk	France	Frankreich	Francúzsko	Franciaország	Francuska	Francuska	Франция	Franța	Франция	Francie
BE	Belgium	België	Belgique	Belgien	Belgicko	Belgium	Belgija	Belgija	Белгия	Belgia	Бельгия	Belgie
NL	Netherlands	Nederland	Pays-Bas	Niederlande	Holandsko	Hollandia	Nizozemska	Holandija	Холандия	Olanda	Нидерланды	Nizozemsko
SK	Slovakia	Slowakije	Slovaquie	Slowakei	Slovensko	Szlovákia	Slovačka	Slovačka	Словакия	Slovacia	Словакия	Slovensko
HU	Hungary	Hongarije	Hongrie	Ungarn	Maďarsko	Magyarország	Mađarska	Mađarska	Унгария	Ungaria	Венгрия	Maďarsko
HR	Croatia	Kroatië	Croatie	Kroatien	Chorvátsko	Horvátország	Hrvatska	Hrvatska	Хърватско	Croația	Хорватия	Chorvatsko
CS	Serbia-Montenegro	Servië-Montenegro	Serbie-Montenegro	Serbien-Montenegro	Srbsko a Čierna Hora	Szerbia-Montenegró	Srbija i Crna Gora	Srbija i Crna Gora	Сърбия	Serbia-Muntenegru	Сербия	Srbsko a Černá Hora
BG	Bulgaria	Bulgarije	Bulgarie	Bulgarian	Bulharsko	Bulgária	Bugarska	Bugarska	България	Bulgaria	Болгария	Bulharsko
RO	Romania	Roemenië	Roumanie	Rumänien	Rumunsko	Románia	Rumunjska	Rumunija	Румъния	România	Румыния	Rumunsko
CH	Switzerland	Zwitserland	Suisse	Schweiz	Švajčiarsko	Svájc	Švicarska	Švajcarska	Швейцария	Elvetia	Швейцария	Švýcarsko
LU	Luxembourg	Luxemburg	Luxembourg	Luxemburg	Luxembursko	Luxemburg	Luksemburg	Luksemburg	Люксембург	Luxemburg	Люксембург	Lucembursko
MD	Moldova	Moldavië	Moldavie	Moldawien	Moldavsko	Moldávia	Moldavija	Moldavija	Молдова	Moldova	Молдавия	Moldavie
UA	Ukraine	Ukraine	Ukraine	Ukraine	Ukrajina	Ukrajna	Ukraina	Ukrajina	Украина	Ucraina	Украина	Ukrajina
RU	Russia	Rusland	Russie	Russland	Rusko	Oroszország	Rusija	Rusija	Русия	Rusia	Россия	Rusko
CZ	Czech Republic	Tsjechië	Tchéquie	Tschechien	Česko	Cseh Köztársaság	Republika Češka	Češka Republika	Република Чехия	Republica Cehă	Чешкая республика	Česká Republika
PL	Poland	Polen	Pologne	Polen	Poľsko	Lengyelország	Poljska	Poljska	Полша	Polonia	Польша	Polsko
PT	Portugal	Portugal	Portugal	Portugal	Portugalsko	Portugália	Portugal	Portugal	Португалия	Portugalia	Португалия	Portugalsko
ES	Spain	Spanje	Espagne	Spanien	Španielsko	Spanyolország	Španjolska	Španija	Испания	Spania	Испания	Španělsko
GB	United Kingdom	Groot Brittannië	Royaume-Uni	Großbrittanien	Veľká Británia	Egyesült Királyság	Velika Britanija	Velika Britanija	Великобритания	Marea Britanie	Великобритания	Velká Británie
SE	Sweden	Zweden	Suède	Schweden	Švédsko	Svédország	Švedska	Švedska	Швеция	Suedia	Швеция	Švédsko
FI	Finland	Finland	Finlande	Finnland	Fínsko	Finnország	Finska	Finska	Финландия	Finlanda	Финляндия	Finsko
DK	Denmark	Denemarken	Danemark	Dänemark	Dánsko	Dánia	Danska	Danska	Дания	Danemarca	Дания	Dánsko
EE	Estonia	Estland	Estonie	Estland	Estónsko	Észtország	Estonia	Estonija	Естония	Estonia	Эстония	Estonsko
LV	Latvia	Letland	Lettonie	Lettland	Lotyšsko	Lettország	Latvia	Letonija	Латвия	Letonia	Латвия	Lotyšsko
LT	Lithuania	Litouwen	Lituanie	Litauen	Litva	Litvánia	Litva	Litvanija	Литва	Lituania	Литва	Litva
IT	Italy	Italië	Italie	Italien	Taliansko	Olaszország	Italija	Italija	Италия	Italia	Италия	Itálie
MT	Malta	Malta	Malte	Malta	Malta	Málta	Malta	Malta	Малта	Malta	Мальта	Malta
CY	Cyprus	Cyprus	Chypre	Zypern	Cyprus	Ciprus	Zipar	Kipar	Кипър	Cipru	Кипр	Cypr
GR	Greece	Griekenland	Grèce	Griechenland	Grécko	Görögország	Grčka	Grčka	Гърция	Grecia	Греция	Řecko
IE	Ireland	Ierland	Irlande	Irland	Írsko	Írország	Irska	Irska	Ирландия	Irlanda	Ирландия	Irsko
SI	Slovenia	Slovenië	Slovénie	Slowenien	Slovinsko	Szlovénia	Slovenija	Slovenija	Словения	Slovenia	Словения	Slovinsko

Value	Meaning (EN)	Meaning (NL)	Meaning (FR)	Meaning (DE)	Meaning (SK)	Meaning (HU)	Meaning (HR)	Meaning (CS)	Meaning (BG)	Meaning (RO)	Meaning (RU)	Meaning (CZ)
ALL	All directions	alle richtingen	toutes les directions	alle Richtungen	všetky smery	minden irányba	Svi smjerovi	Svi pravci	Всички посоки	Toate direcțiile	Любое направление движения	všechny směry
UPS	Upstream	opvaart	montant	Bergfahrt	proti prúdu	hegymenet	Uzvodno	Uzvodno	Срещу течението	In amonte	Движение вверх по течению	protiproudní plavba
DWN	Downstream	afvaart	avalant	Talfahrt	po prúde	völgymenet	Nizvodno	Nizvodno	По течението	In aval	Движение вниз по течению	poproudní plavba

Value	Meaning (EN)	Meaning (NL)	Meaning (FR)	Meaning (DE)	Meaning (SK)	Meaning (HU)	Meaning (HR)	Meaning (CS)	Meaning (BG)	Meaning (RO)
MAX	maximum	maximaal	maximum	höchstens	maximum	legfeljebb(maxi	najviše	kao	максимум	maxim
MIN	minimum	minimaal	minimum	mindestens	minimum	legalább(minim	najmanje	kao	минимум	minim
RED	reduced by	verminderd	réduit de	verringert um	znížený o	által	smanjeno za	umanjen za	намалено с	redus cu

Meaning (RU)	Meaning (CZ)
максимальн	maximální
как	minimálně
уменьшено	redukován o

Value	Meaning (EN)	Meaning (NL)	Meaning (FR)	Meaning (DE)	Meaning (SK)	Meaning (HU)	Meaning (HR)	Meaning (CS)	Meaning (BG)	Meaning (RO)	Meaning (RU)	Meaning (CZ)
CON	Continuous	onafgebroken	Permanent	durchgehend	nepretržite	folyamatos	Neprekidan	Neprekidan	Непрекъснато	Permanent	непрерывный режим	nepřetržitě
DAY	Daily	dagelijks	Journalier	täglich	denne	naponta	Dnevno	Dnevno	Ежедневно	Zilnic	ежедневно	denně
WRK	Monday to Friday	maandag tot vrijdag	Lundi au Vendredi	Montag bis Freitag	pondelok až piatok	hétfőtől péntekig	ponedjeljak do petak	od ponedeljka do petka	от понеделник до петък	De luni până vineri	с понедельник до пятницы	pondělí až pátek
WKN	Saturday and Sunday	zaterdag en zondag	Samedi et Dimanche	Samstag und Sonntag	sobota a nedeľa	szombaton és vasárnap	subota i nedjelja	subota i nedelja	събота и неделя	Sâmbăta şi duminica	суббота и воскресенье	sobota a neděle
SUN	Sunday	zondag	Dimanche	Sonntag	nedeľa	vasárnap	Nedjeljom	Nedeljom	Неделя	Duminica	воскресенье	neděle
MON	Monday	maandag	Lundi	Montag	pondelok	hétfõ	Ponedjeljkom	Ponedeljkom	Понеделник	Luni	понедельник	pondělí
TUE	Tuesday	dinsdag	Mardi	Dienstag	utorok	kedd	Utorkom	Utorkom	Вторник	Marţi	вторник	úterý
WED	Wednesday	woensdag	Mercredi	Mittwoch	streda	szerda	Srijedom	Sredom	Сряда	Miercuri	среда	středa
THU	Thursday	donderdag	Jeudi	Donnerstag	štvrtok	csütörtök	Četvrtkom	Čtvrtkom	Четвъртък	Joi	четверг	čtvrtek
FRI	Friday	vrijdag	Vendredi	Freitag	piatok	péntek	Petkom	Petkom	Петък	Vineri	пятница	pátek
SAT	Saturday	zaterdag	Samedi	Samstag	sobota	szombat	Subotom	Subotom	Събота	Sâmbătă	суббота	sobota
DTI	day-time	overdag	en journée	bei Tag	cez deň	nappal	preko dana	Danju	През деня	În timpul zilei	Дневное время	za dne
NTI	night(-time)	's nachts	de nuit	bei Nacht	v noci	éjszaka	preko noći	Noću	През нощта	În timpul nopţii	Ночное время	za noci
RVI	in case of restricted visibility	bij beperkt zicht	par mauvaise visibilité	bei beschränkten Sichtverhältnissen	pri zníženej viditeľnosti	korlátozott látási viszonyok esetén	U slučaju smanjene vidljivosti	Pri ograničenoj vidljivosti	При ограничена видимост	În caz de vizibilitate redusă	в случае ограниченой видимости	za snížené viditelnosti
EXC	with the exception of	met uitzondering van	à l'exception de	mit Ausnahme von	okrem	kivéve	sa izuzetkom	sa izuzetkom	с изключение на	Cu excepţia	исключая	s výjimkou

Value	Meaning (EN)	Meaning (NL)	Meaning (FR)	Meaning (DE)	Meaning (SK)	Meaning (HU)	Meaning (HR)	Meaning (CS)	Meaning (BG)	Meaning (RO)	Meaning (RU)	Meaning (CZ)
DE	German	Duits	Allemand	Deutsch	Nemecky	Német	Njemački	Nemački	Немски	Germană	Немецкий	Německy
EN	English	Engels	Anglais	Englisch	Anglicky	Angol	Engleski	Engleski	Английски	Engleză	Английский	Anglicky
FR	French	Frans	Français	Französisch	Francúzsky	Francia	Francuski	Francuski	Френски	Franceză	Французский	Francouzsky
NL	Dutch	Nederlands	Néerlandais	Niederländisch	Holandsky	Holland	Nizozemski	Holandski	Холандски	Olandeză	Голландский	Nizozemsky
SK	Slovak	Slowaaks	Slovaque	Slowakisch	Slovensky	Szlovák	Slovački	Slovački	Словашки	Slovacă	Словацкий	Slovensky
HU	Hungarian	Hongaars	Hongrois	Ungarisch	Maďarsky	Magyar	Mađarski	Mađarski	Унгарски	Maghiară	Венгерский	Maďarsky
HR	Croatian	Kroatisch	Croate	Kroatisch	Chorvátsky	Horvát	Hrvatski	Hrvatski	Хърватски	Croată	Хорватский	Chorvatsky
SR	Serbian	Servisch	Serbe	Serbisch	Srbsky	Szerb	Srpski	Srpski	Сръбски	Sârbă	Сербский	Srbsky
BG	Bulgarian	Bulgaars	Bulgare	Bulgarisch	Bulharsky	Bolgár	Bugarski	Bugarski	Български	Bulgară	Болгарский	Bulharsky
RO	Romanian	Roemeens	Roumain	Rumänisch	Rumunsky	Román	Rumunjski	Rumunski	Румънски	Română	Румынский	Rumunsky
RU	Russian	Russisch	Russe	Russisch	Rusky	Orosz	Ruski	Ruski	Руски	Rusă	Русский	Rusky
CZ	Czech	Tsjechisch	Tchèque	Tschechisch	Česky	Cseh	Češki	Češki	чехски	Cehă	чешкий	Česky

or alternative:

National languages:

DE	Deutsch
EN	English
FR	Français
NL	Nederlands
SK	Slovensky
HU	Magyar
HR	Hrvatski
CS	Srpski
BG	Български
RO	Română
RU	Русский
CZ	Česky

Value	Meaning (EN)	Meaning (NL)	Meaning (FR)	Meaning (DE)	Meaning (SK)	Meaning (HU)	Meaning (HR)	Meaning (CS)	Meaning (BG)	Meaning (RO)	Meaning (RU)	Meaning (CZ)
OBSTRU	Blockage	stremming	Restriction	Sperre	blokáda	zárlat	Prepreka	Prepreka	Препятствие	Restricție	Закрыто	uzávěra
PAROBS	Partial obstruction	gedeeltelijke stremming	Restriction partielle	teilweise Sperre	čiastočné prekážky	részleges tilalom	Djelomična prepreka	Delimična prepreka	Частично препятствие	Restricție parțială	Частично закрыто	částečná uzávěra
DELAY	Delay	oponthoud	Délai	Verzögerung	meškanie	késedelem	Kašnjenje	Kašnjenje	Закъснение	Întârziere	Задержка	zpoždění
VESLEN	Vessel Length	scheepslengte	Longueur du bateau	Schiffslänge	dĺžka plavidla	hajóhossz	Duljina broda	Dužina plovila	Дължина на плавателния съд	Lungimea navei	Длина судна	délka plavidla
VESHEI	Vessel air draught	scheepshoogte	tirant d'air du bateau	Schiffshöhe	výška plavidla nad hladinou	hajó magassága	Visina najviše fiksne točke broda iznad vode	Visina plovila	Височина на плавателния съд	Înălțimea deasupra liniei de plutire	Высота судна	výška plavidla nad ponorem
VESBRE	Vessel breadth	scheepsbreedte	Largeur du bateau	Schiffsbreite	šírka plavidla	hajó szélessége	Širina broda	Širina plovila	Широчина на плавателния съд	Lățimea navei	Ширина судна	šířka plavidla
VESDRA	Vessel draught	scheepsdiepgang	Tirant d'eau du bateau	Schiffstiefgang	ponor plavidla	hajó merülése	Gaz broda	Gaz plovila	Газене на плавателния съд	Pescajul navei	Осадка	ponor plavidla
AVALEN	Available length	doorvaartlengte	Longueur disponible	verfügbare Länge	povolená dĺžka	rendelkezésre álló hosszúság	Raspoloživa duljina	Raspoloživa dužina	Разполагаема дължина	Lungimea admisă	Ограничение длины	povolená délka
CLEHEI	Clearance height	doorvaarthoogte	Hauteur libre disponible	Durchfahrtshöhe	podjazdná výška	szabad űrszelvény magasság	Visina plovnog otvora	Slobodna visina	Свободна височина	Gabaritul de înălțime	ограничение высоты	podjezdní výška
CLEWID	Clearance width	doorvaartbreedte	Largeur disponible	verfügbare Breite	prejazdná šírka	Rendelkezésre álló szélesség	Širina plovnog otvora	Slobodna širina	Свободна ширина	Gabaritul de lățime	Ограничение ширины	povolená šířka
AVADEP	Available depth	beschikbare waterdiepte	Mouillage disponible	verfügbare Tiefe	dostupná hĺbka	rendelkezésre álló vízmélység	Raspoloživa dubina	Raspoloživa dubina	Възможно газене	Adîncimea disponibilă	Существующая глубина	využitelná hloubka
NOMOOR	No mooring	afmeerverbod	Interdiction d'amarrage	Anlegeverbot	zákaz vyväzovania	veszteglési tilalom	Zabranjen vez	Zabranjeno vezivanje	Забранено швартоването	Interdicție de acostare	Швартовка запрещена	zákaz vyvazování
SERVIC	Limited service	beperkte service	Exploitation limitée	Betrieb eingeschränkt	obmedzená prevádzka	korlátozott üzem	Ograničena usluga	Ograničena usluga	Ограничено обслужване	Manevră restricționată	Ограниченое обслуживание	omezení provozu

NOSERV	No service	geen bediening	Manœuvre interrompue	Betriebssperre	zastavená prevádzka	üzemszünet	Nema usluge	Bez usluge	Няма обслужване	Manevră interzisă	Не обслуживаемое	zastavení provozu
SPEED	Speed limit	snelheidsbeperking	Limite de Vitesse	Höchstgeschwindigkeit	najvyššia povolená rýchlosť	sebességkorlátozás	Brzina	Brzina	Скорост	Limită de viteză	Ограничение скорости	omezení rychlosti
WAVWAS	Do not create wash	hinderlijke waterbeweging vermijden	Remous interdits	Wellenschlag vermeiden	zákaz vlnobitia a sania	hullámkeltést elkerülni	Zabranjeno pravljenje valova	Zabranjeno pravljenje talasa	Забранено създаване на вълни	Formarea valurilor interzisă	Берегись волны	nevytvářet vlnobití
PASSIN	No passing	ontmoeten verboden	Interdiction de croiser	Begegnungsverbot	zákaz preplávania	találkozás tilos	Zabranjen prolaz	Zabranjen prolaz	Забранено преминаването	Traversarea interzisă	Нет прохода	zákaz potkávání
ANCHOR	No anchoring	ankeren verboden	Mouillage interdit	Ankerverbot	zákaz kotvenia	horgonyozni tilos	Zabranjeno sidrenje	Zabranjeno sidrenje	Забранено хвърляне на котва	Ancorarea interzisă	Якорная стоянка запрещена	zákaz kotvení
OVRTAK	No overtaking	voorbijlopen verboden	Interdiction de dépasser/trémater	Überholverbot	zákaz predchádzania	előzni tilos	Zabranjeno pretjecanje	Zabranjeno prestizanje	Забранено изпреварването	Depăşirea interzisă	Обгон запрещен	zákaz předjíždění
MINPWR	Minimum power	minimaal vermogen	Puissance minimum	Mindestantriebsleistung	minimálny výkon	minimális teljesítmény	Minimalna snaga	Minimalna snaga	Минимална мощност	Putere minimă	минимальная мощность	nejnižší výkon pohonu
ALTER	alternate traffic direction	beurtelings verkeer	navigation alternée	Einbahnverkehr	striedajúci sa smer premávky	váltakozó forgalmi irány	naizmjeničan smijer prometa	Alternativni pravac saobraćaja	Редуващи се посоки на движение	Trafic cu sensuri alternative	Встречное движение	střídavý směr plavby
CAUTIO	special caution	bijzondere voorzichtigheid	attention spéciale	besondere Vorsicht	zvýšená opatrnosť	kiemelt óvatosság	poseban oprez	poseban oprez	особено внимание	Vigilenţă mărită	особое замечание	zvýšená opatrnosť
NOLIM	no limitation	geen beperking	pas de limitation	keine Einschränkung	bez obmedzenia	nincs korlátozás	bez ograničenja	bez ograničenja	без ограничение	Fără restricţii	без ограничения	bez omezení

Value	Meaning (EN)	Meaning (NL)	Meaning (FR)	Meaning (DE)	Meaning (SK)	Meaning (HU)	Meaning (HR)	Meaning (CS)	Meaning (BG)	Meaning (RO)	Meaning (RU)	Meaning (CZ)
DIS	Discharge	afvoer	Débit	Abfluß	prietok	lefolyás	Ispust	Proticaj	Отток	Debit	Спуск воды	průtok
REG	Regime	regime	Régime	Regime	režim	vízjárás	Režim	Režim	Режим	Regim	Рабочий режим	režim
BAR	Barrage status	stuwstand	Status des barrages	Staustand	stav hate	duzzasztási állapot	Status brane	Status brane	Състояние на баража	Starea barajului	Состояние плотины	stav vzdutí
VER	Vertical clearance	doorvaarthoogte	Hauteur libre maximum	Durchfahrthöhe	podjazdná výška	szabad űrszelvény-magasság	Visina slobodnog prolaza	Prolazna visina	Свободна височина	Inălțime liberă de trecere	Высота судоходного пролёта	podjezdná výška
LSD	Least sounded depth	minst gepeilde diepte	Profondeur minimale	minimale Tiefe	minimálna hĺbka	legkisebb vímélység	Minimalna dubina	Najmanja izmerena dubina	Минимална дълбочина	Adâncime minimă	Минимальная глубина	minimální hloubka
WAL	Water level	waterstand	Niveaux des eaux	Wasserstand	vodný stav	vízállás	Vodostaj	Nivo vode	Водно ниво	Nivelul apei	Уровень воды	vodní stav

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AL	All	geheel	Tout le chenal	ganz	všetky	mind/teljesen	Svi smjerovi	Sve	Навсякъде (всички направления)	Toată calea navigabilă / întregul obiect	Полная видимость	všechno
LE	Left	links	Gauche	links	vľavo	bal	Lijevo	Levo	Ляво	Stânga	Слева	vlevo
MI	Middle	midden	Milieu	Mitte	v strede	közép	Sredina	Sredina	В средата	Mijloc	В середине	střed
RI	Right	rechts	Droite	rechts	vpravo	jobb	Desno	Desno	Дясно	Dreapta	Справа	vpravo
LB	Left bank	linkeroever	Rive gauche	linkes Ufer	ľavý breh	bal part	Lijeva obala	Leva obala	Ляв бряг	Malul stâng	слева от банки	levý břeh
RB	Right bank	rechteroever	Rive droite	rechtes Ufer	pravý breh	jobb part	Desna obala	Desna obala	Десен бряг	Malul drept	справа от банки	pravý břeh
N	North	noord	Nord	Nord	severne	észak	Sjever	Sever	Северно	Nord	К северу	sever
NE	North_east	noordoost	Nord-est	Nord-Ost	severo-východne	észak-kelet	Sjeveroistočno	Severoistočno	Североизточно	Nord-est	К северо-востоку	severovýchod
E	East	oost	Est	Ost	východne	kelet	Istočno	Istočno	Източно	Est	К востоку	východ
SE	South_east	zuidoost	Sud-est	Süd-Ost	juho-východne	dél-kelet	Jugoistočno	Jugoistočno	Югоизточно	Sud-est	К юго-востоку	jihovýchod
S	South	zuid	Sud	Süd	južne	dél	Južno	Južno	Южно	Sud	К югу	jih
SW	South_west	zuidwest	Sud-ouest	Süd-West	juho-západne	dél-nyugat	Jugozapadno	Jugozapadno	Югозападно	Sud-vest	К юго-западу	jihozápad
W	West	west	Ouest	West	západne	nyugat	Zapadno	Zapadno	Западно	Vest	К западу	západ
NW	North_west	noordwest	Nord-ouest	Nord-West	severo-západne	észak-nyugat	Sjeverozapadno	Severozapadno	Северозападно	Nord-vest	К северо-западу	severozápad
BI	big	groot	grand	groß	veľký	nagy	Velik	Veliki	Голям	Mare	большой	velký
SM	small	klein	petit	klein	malý	kicsi	Mali	Mali	Малък	Mic	малый	malý
OL	old	oud	vieux	alt	starý	régi	Star	Stari	Стар	Vechi	старый	starý
EW	new	nieuw	nouveau	neu	nový	új	Nov	Novi	Нов	Nou	новый	nový
MP	movable part	beweegbaar deel	partie amovible	beweglicher Teil	pohyblivá časť	mozgatható rész	Pokretan dio	Pokretni deo	Подвижна част	Parte amovibilă	подвижная часть	pohyblivá část
FP	fixed part	vast deel	partie fixe	fester Teil	pevná časť	rögzített rész	Nepokretan dio	Statični deo	Неподвижна част	Parte fixă	неподвижная часть	pevná část
VA	variable	variabel	variable	veränderlich	premenlivá	változó	varijabla	varijabla	променлив	Variabil	променливый	proměnlivé

Value	Meaning (EN)	Meaning (NL)	Meaning (FR)	Meaning (DE)	Meaning (SK)	Meaning (HU)	Meaning (HR)	Meaning (CS)	Meaning (BG)	Meaning (RO)	Meaning (RU)	Meaning (CZ)
EVENT	Event	evenement	Evénement	Veranstaltung	udalosť	rendezvény	Događaj	Događaj	Случай	Eveniment	Мероприятие	uspořádání akce
WORK	Work	werkzaamheden	Travaux	Arbeiten	práce	munkálatok	Radovi	Radovi	Работи (действия)	Lucrări	Работы	práce
DREDGE	Dredging	baggerwerkzaamheden	Dragage	Baggerarbeiten	bagrovanie	kotrási munkálatok	Iskopavanje	Bagerovanje	Драгажни работи	Lucrări de dragaj	Землечерпательные работы	bagrování
EXERC	Exercises	oefeningen	exercices	Übungen	cvičenia	gyakorlatok	Vježbe	Vežbe	упражнения	Exerciţii	упражнения	cvičení
HIGWAT	High water	hoogwater	Crue	Hochwasser	vysoký vodný stav	magas vízállás	Visoke vode	Visok vodostaj	Високи води	Ape mari	Высокая вода	velká voda (povodeň)
HIWAI	water level of cautious navigation	waterstand met beperkte scheepvaart (Marke I)	Niveau d'eau nécessitant une navigation prudente	Marke I.	vodný stav pre opatrnú plavbu	kíméletes hajózási vízszint	Vodostaj oprezne plovidbe	Vodostaj koji zahteva opreznu navigaciju	Водно ниво изискващо внимателна навигация	Nivelul apei de avertizare pentru navigaţie	уровень опасный для навигации	vodní stav vyžadující zvýšenou nautickou pozornost
HIWAII	prohibitory water level	waterstand met vaarverbod (Marke II)	Niveau d'eau d'interdiction	Marke II.	vodný stav pri ktorom je zakázaná plavba	tilalmi vízszint	Vodostaj zabrane plovidbe	Vodostaj koji ne dozvoljava navigaciju	Възпрепятстващо водно ниво	Nivelul apei de interdicţie	уровень запрещающий навигацию	vodní stav při kterém se zastavuje plavba
LOWWAT	Low water	laagwater	Etiage	Niedrigwasser	nízky vodný stav	alacsony vízállás	Niske vode	Nizak vodostaj	Ниски води	Ape mici	Малая вода	nízký vodní stav
SHALLO	Siltation	verondieping	Atterissement	Versandung	naplaveniny	gázlóképződés	Plićina	Plitka voda	Плитчина	Intinsură	Обмеление	zanesení pískem
CALAMI	Calamity	calamiteit	Accident	Unglück	havária	havaria/bal-eset	Havarija	Havarija	Бедствие	Calamitate	Авария	havárie
LAUNCH	Launching	tewaterlating	Mise à l'eau	Ausstoßen	spúšťanie na vodu	vízrebocsájtás	Porinuće	Porinuće	Спускане на вода	Lansare la apă	Спуск судна на воду	spouštění na vodu
DECLEV	Lowering water level	waterstandsverlaging	Abaissement du niveau de l'eau	Senken des Wasserspiegels	klesajúca vodná hladina	vízszint csökkentése	Spuštanje vodnog lica	Spuštanje vodostaja	Понижаване на водното ниво	Nivelul apei în scădere	Понижение уровня воды	pokles vodní hladiny
FLOMEA	Flow measurement	stroomsnelheidsmeting	Opération de mesure de débit	Strommessungen	meranie prietoku	áramlás mérése	Mjerenje protoka	Merenje proticaja	Измерване на оттока	Operaţiune de măsurare a debitului	измерение скорости течения	měření průtoku
BLDWRK	Building work	bouwwerkzaamheden	Travaux de construction	Bauarbeiten	stavebné práce	építési munkálatok	Izgradnja	Radovi	Строителни работи	Lucrări de construcţii	Строительство	stavební práce
REPAIR	Repair	herstelwerkzaamheden	Travaux de réparation	Reparaturarbeiten	opravy	javítási munkálatok	Popravci	Popravka	Ремонтни работи	Lucrari de reparaţii	Ремонтные работы	opravy

INSPEC	Inspection	inspectiewerkzaamheden	Inspection	Inspektion	inšpekcia; prehliadka; kontrola	szemle	Inspekcija	Inspekcija	Инспекция	Inspecție	Инспекция	inspekce
FIRWRK	Fireworks	vuurwerk	Feux d'artifice	Feuerwerk	ohňostroj	tüzijáték	Vatromet	Vatromet	Взривни работи	Focuri de artificii	Взрывные работы	ohňostroj
LIMITA	Limitations	beperkingen	restriction de la navigation	Einschränkungen	obmedzenia	korlátozás	Ograničenja	Ograničenja	Ограничения	Restricții	Ограничения	omezení
CHGFWY	changes in the fairway	veranderingen in de vaarweg	modification de la passe navigable	Änderungen der Fahrrinne	zmeny v plavebnej dráhe	hajóútváltozás	Promjene u plovnom putu	Promene u plovnom putu	Изменение на фарватера	Schimbări șenal navigabil	изменение фарватера	změny plavební dráhy
CONSTR	constriction of waterway	beperking van de vaarweg	rétrécissement de la passe navigable	Einengung des Fahrwassers	zúženie vodnej cesty	hajóútszűkület	Suženje vodnog puta	Suženje rečnog toka	Изграждане на воден път	Ingustare cale navigabilă	строительство фарватера	zúžení vodní cesty
DIVING	under water works	onderwater werkzaamheden	plongeurs au travail	Arbeiten unter Wasser	práce pod vodou	víz alatti munka	Podvodni radovi	Podvodni radovi	Подводни работи	Lucrări subacvatice	поводные работы	práce pod vodou
SPECTR	special transport	bijzonder transport	transport spécial	Sondertransport	špeciálna preprava	különleges szállítás	Specijalan transport	Specijalni transport	Специализиран транспорт	Transport special	специальная перевозка	zvláštní přeprava
EXT	extensive sluicing	uitgebreid schutbedrijf	Service étendu	extreme Dotierung	rozsiahle vymieľanie	nagymértékű vízeresztés	izrazito istjecanje	Visoka kontaminacija	Активно изпускане на вода	Trafic de ecluză intens	значительный сдвиг	extrémní dotování
MIN	minimum sluicing	minimaal schutbedrijf	Service minimum	minimale Dotierung	minimálne vymieľanie	minimális vízeresztés	minimalno istjecanje	Niska kontaminacija	Минимално изпускане на вода	Trafic de ecluză redus	минимальный сдвиг	minimální dotování
SOUND	sounding works	peilwerkzaamheden	Travaux de sondage	Peilarbeiten	sondovacie práce	mélységmérési munka	mjerenja dubine	merenja dubina	дълбочинно-измервателни работи	Lucrări de sondaj	промерные работы	měření hloubky vody
OTHER	Others	overige	Autres	andere	Iné	egyéb	Ostalo	Ostalo	Друго	Altele	другое	jiné

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NAP	Nap	Normaal Amsterdams Peil	Côte normal d'Amsterdam	Normaler Amsterdamer Pegel	normálna amsterdamská úroveň hladiny	szokásos amsterdami vízszint	Normalni Amsterdamski vodomjer	Normalni amsterdamski vodomer	нов амстердамски пегел	Nivelul de referinţă Amsterdam	новый амстердамский пегел	nový amsterodamský vodočet
KP	kp	kanaalpeil	Côte locale	Kanal Pegel	prevádzková úroveň hladiny v kanáli	csatornavíz-szint	Vodomjer u kanalu	Vodomer u kanalu	Пегел на канала	Nivelul de referinţă local	Судоходный уровень канала	kanálový vodočet
FZP	fzp	Friesch Zomer Peil	Côte des canaux Frisons	Friesischer Pegel	frízska úroveň hladiny	frízföldi vízszint	Vodomjer u Frizijskom kanalu	Vodomer u Frizijskom kanalu	фризийски пегел	Nivel de referinţă Friesland	фризийский пегел	friezský vodočet
ADR	adria	Adria-peil	Mer Adriatique	über Adria	výškový systém ADRIA	az Adriai tenger szintje felett	Razina Jadranskog mora	Nivo Jadranskog mora	Адриатическа система	Marea Adriatică	Адриатическая система	přes Adrii
TAW	Taw	Tweede algemene waterpeil	2éme nivellement général	2e allgemeine Wasserpassung	druhá všeobecná úroveň vodnej hladiny	második általános vízszintezés	Druga opća razina	Drugi opšti nivo	общо вторично приравняване на водното ниво	Al doilea nivel de referinţă	общее вторичное приравнение водного уровня	druhá všeobecná úroveň vodní hladiny
PUL	Pulkovo 1942	Pulkovo 1942	Pulkovo 1942	Pulkovo 1942	Pulkovo 1942	Pulkovo 1942	Pulkovo 1942	Pulkovo 1942	Пулково 1942	Pulkovo 1942	Пулково 1942	Pulkovo 1942
NGM	Ngm	Ngm	Ngm	Ngm	Ngm	Ngm	Ngm	Ngm	Нгм	Ngm	Нгм	Ngm
ETRS	Etrs89	Etrs89	Etrs89	Etrs89	Etrs89	Etrs89	Etrs89	Etrs89	Etrs89	Etrs 89	Etrs89	Etrs89
POT	Potsdamer Datum	Potsdamer Datum	Potsdamer Datum	Potsdamer Datum	Potsdamer Datum	potsdami dátum	Potsdamer Datum	Potsdamer Datum	Координатна система Потсдам	Potsdam Datum	Координатная система Потсдам	Postupimské datum
LDC	Low water level Danube Commission	laagwaterpeil Donau-commissie	Commission du Danube, niveau bas des eaux	RNW gemäß Donaukommission	hladina nízkej regulačnej a plavebnej vody	Dunabizottsági hajózási kisvízszint (LKHV)	Nizak vodostaj po Dunavskoj komisiji	Nizak vodostaj po Dunavskoj komisiji	Ниско водно ниво по Дунавската комисия	Nivelul apei minim - Comisia Dunării	Низкая вода уровня ДК	nízký plavební stav podle Dunajské komise
HDC	High water level Danube Commission	hoogwaterpeil Donau-commissie	Commission du Danube, niveau haut des eaux	HSW gemäß Donaukommission	hladina vysokej plavebnej vody	Dunabizottsági hajózási nagyvízszint (LNHV)	Visok vodostaj po Dunavskoj komisiji	Visok vodostaj po Dunavskoj komisiji	Високо водно ниво по Дунавската комисия	Nivelul apei maxim - Comisia Dunării	Высокая вода уровня ДК	nejvyšší plavební vodní stav podle Dunajské komise
ZPG	zero point of gauge	referentiepunt peilschaal	point de référence de niveau	Pegelnullpunkt	nulový bod mernej stanice	vízmérce nulla pontja	Nulta točka vodomjerne letve	Nulta tačka vodomera	Нула на пегела	0 Miră	ноль уровня	nulový bod vodočtu

GLW	equivalent low water level	gelijkwaardige laagwaterstand	étiage	Gleichwertiger Wasserstand (GLW)	ekvivalentná nízka vodná hladina	egyenértékű kisvízszint	ekvivalentni niski vodostaj	Ekvivalent niskom vodostaju	Изчислено ниско водно ниво	Nivelul apei minim echivalent	Минимальный уровень	ekvivalentní nízký vodní stav
HSW	highest navigable water level	Hoogste scheepvaart waterstand	Plus hautes eaux navigables	Höchster Schifffahrtswasserstand (HSW)	najvyššia plavebná hladina	legnagyobb hajózási vízszint (HNV)	Maksimalni vodostaj dozvoljene plovidbe	Najviši vodostaj za navigaciju	Най-високо навигационно водно ниво	Cel mai mare nivel al apei pentru navigație	Наивысший судоходный уровень	nejvyšší plavební vodní stav
LNW	Low Navigable Water	laagste scheepvaart waterstand (nationaal)	Plus basses eaux navigable	RNW (national)	nízka plavebná hladina	hajózási kisvízszint (HKV)	Niski vodostaj dozvoljene plovidbe	Nizak vodostaj, navigacija moguća	Ниско навигационно ниво	Nivelul apei minim pentru navigație	Минимальный судоходный уровень	nízký plavební vodní stav (národní)
HNW	High Navigable Water	hoogste scheepvaart waterstand (nationaal)	Hautes eaux navigables	HSW (national)	vysoká plavebná hladina	hajózási nagyvízszint (HNV)	Visoki vodostaj dozvoljene plovidbe	Visok vodostaj, navigacija moguća	Високо навигационно ниво	Nivelul apei maxim pentru navigație	максимальный судоходный уровень	nejvyšší plavební vodní stav (národní)
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	WGS84	WGS 84	WGS 84	WGS 84	WGS 84	WGS 84	WGS 84	WGS84	WGS84	WGS 84
RN	normal level	normaal peil	Retenue normale	Normaler Pegel	normálna úroveň	szokásos szint	Normalna razina			Nivelul apei normal		

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NO	Normal	regime is normaal	Hauteur d´eau normale	Regime: Normal Wasserstand	normálny vodný stav	normál vízállás	Režim: normalni vodostaj	Normalan režim	Нормално водно ниво	Nivelul normal	Нормальный уровень	normální vodní stav
HI	High	hoogwaterregime	Plus Hautes Eaux Navigables	Hochwasser	vysoký vodný stav	magas vízállás	Režim: visoke vode	Visok vodostaj	Високи води	Nivelul maxim navigabil	Высокая вода	velká voda (povodeň)
II	prohibitory water level	waterstand met vaarverbod (Marke II)	Niveau d'eau d'interdiction	Marke II.	vodný stav pri ktorom je zakázaná plavba	tilalmi vízszint	Vodostaj zabrane plovidbe	Vodostaj koji ne dozvoljava navigaciju	Възпрепятстващо водно ниво	Nivelul apei restrictiv pentru navigaţie	уровень запрещающий навигацию	vodní stav při kterém se zastavuje plavba
I	water level of cautious navigation	waterstand met beperkte scheepvaart (Marke I)	Niveau d'eau nécessitant une navigation prudente	Marke I.	vodný stav pre opatrnú plavbu	kíméletes hajózási vízszint	Vodostaj oprezne plovidbe	Vodostaj koji zahteva opreznu navigaciju	Водно ниво изискващо внимателна навигация	Nivelul apei de precauţie pentru navigaţie	уровень опасный для навигации	vodní stav vyžadující zvýšenou nautickou pozornost
NN	normal water level for navigation	normaal waterpeil voor scheepvaart	Niveau Normal de Navigation	normaler Schifffahrtswasserstand	normálny vodný stav pre plavbu	normál hajózási vízszint	Vodostaj normalne plovidbe	Normalni vodostaj za navigaciju	Нормално водно ниво за навигация	Nivelul apei normal pentru navigaţie	обычный уровень	normální vodní stav pro plavbu

Value	Meaning (EN)	Meaning (NL)	Meaning (FR)	Meaning (DE)	Meaning (SK)	Meaning (HU)	Meaning (HR)	Meaning (CS)	Meaning (BG)	Meaning (RO)	Meaning (RU)	Meaning (CZ)
INF	Information	informatiepunt	Point d'information	Informationspunkt	informácie	információ	Informacijski	Mesto za informacije	Информация	Punct de informare	Пункт информации	informace
ADD	Additional duty to report	extra meldplicht	Obligation complémentaire d'annonce	zusätzliche Meldepflicht	dodatočná povinnosť hlásenia	kiegészítő bejelentkezési kötelezettség	Dodatna obveza izvješćivanja	Dodatna obaveza prijave	Допълнително съобщение задължително	Anunț adițional	Дополнительное извещение обязательно	dodatečná povinnost hlášení
REG	Regular duty to report	normale meldplicht	Obligation d'annonce normale	normale Meldepflicht	normálna povinnosť hlásenia	bejelentkezési kötelezettség	Redovna obveza izvješćivanja	Redovna obaveza prijave	Обичаен режим за съобщение	Anunț normal	Обычный режим извещения	normální povinnost hlášení

Value	Meaning (EN)	Meaning (NL)	Meaning (FR)	Meaning (DE)	Meaning (SK)	Meaning (HU)	Meaning (HR)	Meaning (CS)	Meaning (BG)	Meaning (RO)	Meaning (RU)	Meaning (CZ)
OBSTRU	Blockage	stremming	Restriction	Sperre	blokáda	zárlat	Prepreka	Prepreka	Препятствие	Restricție	Закрыто	uvávěra
PAROBS	Partial obstruction	gedeeltelijke stremming	Restriction partielle	teilweise Sperre	čiastočné prekážky	részleges tilalom	Djelomična prepreka	Delimična prepreka	Частично препятствие	Restricție parțială	Частично закрыто	částečná uzávěra
DELAY	Delay	oponthoud	Délai	Verzögerung	meškanie	késedelem	Kašnjenje	Kašnjenje	Закъснение	Întârziere	Задержка	zpoždění
VESLEN	Vessel Length	scheepslengte	Longueur du bateau	Schiffslänge	dĺžka plavidla	hajó hossza	Duljina broda	Dužina plovila	Дължина на плавателния съд	Lungimea navei	Длина судна	délka plavidla
VESHEI	Vessel air draught	scheepshoogte	Tirant d'air du bateau	Schiffshöhe	výška plavidla	hajó magassága	Visina najviše fiksne točke broda iznad vode	Visina plovila	Височина на плавателния съд	Înălțimea deasupra liniei de plutire	Высота судна	výška plavidla
VESBRE	Vessel breadth	scheepsbreedte	Largeur du bateau	Schiffsbreite	šírka plavidla	hajó szélessége	Širina broda	Širina plovila	Широчина на плавателния съд	Lațimea navei	Ширина судна	šířka plavidla
VESDRA	Vessel draught	diepgang	Tirant d'eau du bateau	Schiffstiefgang	ponor plavidla	hajó merülése	Gaz broda	Gaz plovila	Газене на плавателния съд	Pescajul navei	Осадка	ponor plavidla
AVALEN	Available length	doorvaartlengte	Longueur maximum	verfügbare Länge	povolená dĺžka	rendelkezésre álló hosszúság	Raspoloživa duljina	Raspoloživa dužina	Разполагаема дължина	Lungimea admisă	Ограничение длины	povolená délka
CLEHEI	Clearance height	doorvaarthoogte	Tirant d´air maximum	Durchfahrtshöhe	podjazdná výška	szabad űrszelvény-magasság	Visina plovnog otvora	Slobodna visina	Свободна височина	Gabaritul de înălțime	ограничение высоты	podjezdní výška
CLEWID	Clearance width	doorvaartbreedte	Largeur maximum	verfügbare Breite	prejazdná šírka	hasznos szélesség	Širina plovnog otvora	Slobodna širina	Свободна ширина	Gabaritul de lățime	Ограничение ширины	povolená šířka
AVADEP	Available depth	beschikbare waterdiepte	Tirant d´eau maximum	verfügbare Tiefe	dostupná hĺbka	rendelkezésre álló vízmélység	Raspoloživa dubina	Raspoloživa dubina	Възможно газене	Adîncimea disponibilă	Существующая глубина	využitelná hloubka
NOMOOR	No mooring	afmeerverbod	Interdiction d'amarrage	Anlegeverbot	zákaz vyväzovania	veszteglési tilalom	Zabranjen vez	Zabranjeno vezivanje	Забранено швартоването	Interdicție de acostare	Швартовка запрещена	zákaz přistávání
SERVIC	Limited service	beperkte service	Exploitation limitée	Betrieb eingeschränkt	obmedzená prevádzka	korlátozott üzem	Ograničena usluga	Ograničena usluga	Ограничено обслужване	Manevră restricționată	Ограниченое обслуживание	provoz omezen

NOSERV	No service	geen bediening	Manœuvre interrompue	Betriebssperre	zastavená prevádzka	üzemszünet	Nema usluge	Bez usluge	Няма обслужване	Manevră interzisă	Не обслуживаемое	provoz zastaven
SPEED	Speed	snelheidsbeperking	Limite de Vitesse	Höchstgeschwindigkeit	najvyššia povolená rýchlosť	sebességkorlátozás	Brzina	Brzina	Скорост	Limită de viteză	Ограничение скорости	nejvyšší rychlost
WAVWAS	No wash of waves	hinderlijke waterbeweging vermijden	Remous interdits	Wellenschlag vermeiden	zákaz vlnobitia	hullámkeltést elkerülni	Zabranjeno pravljenje valova	Zabranjeno pravljenje talasa	Забранено създаване на вълни	Formarea valurilor interzisă	Берегись волны	zabraňte vlnobití
PASSIN	No passing	ontmoeten verboden	Trématage interdit	Begegnungsverbot	zákaz preplávania	találkozás tilos	Zabranjen prolaz	Zabranjen prolaz	Забранено преминаването	Traversarea interzisă	Нет прохода	zákaz potkávání
ANCHOR	No anchoring	ankeren verboden	Mouillage interdit	Ankerverbot	zákaz kotvenia	horgonyozni tilos	Zabranjeno sidrenje	Zabranjeno sidrenje	Забранено хвърляне на котва	Ancorarea interzisă	Якорная стоянка запрещена	zákaz kotvení
OVRTAK	No overtaking	voorbijlopen verboden	Trématage interdit	Überholverbot	zákaz predchádzania	előzni tilos	Zabranjeno pretjecanje	Zabranjeno prestizanje	Забранено изпреварването	Depăşirea interzisă	Обгон запрещен	zákaz předjíždění
MINPWR	Minimum power	minimaal vermogen	Puissance minimum	Mindestantriebsleistung	minimálny výkon	minimális teljesítmény	Minimalna snaga	Minimalna snaga	Минимална мощност	Putere minimă	минимальная мощность	minimální výkon
DREDGE	Dredging	baggerwerkzaamheden	Dragage	Baggerarbeiten	bagrovacie práce	kotrási munkálatok	Bageriranje	Bagerovanje	Драгажни работи	Lucrări de dragaj	Встречное движение	bagrovací práce
WORK	Work	werkzaamheden	Travaux	Arbeiten	práce	munkálatok	Radovi	Radovi	Работи (действия)	Lucrări	Проводятся работы	práce
EVENT	Event	evenement	Evénement	Veranstaltung	udalosť	rendezvény	Događaj	Događaj	Случай	Eveniment	Мероприятие	uspořádání akce
CHGMAR	Change marks	gewijzigde markering	Signalisation modifée	Verkehrszeichen geändert	zmena značenia	forgalmi jelek változtatása	Promjena navigacijske oznake	Promena oznaka	Изменение в знаците	Semnalizare modificată	Изменение знаков	změna značení
CHGSER	Change service	gewijzigde bediening	manœuvre des ouvrages modifiée	Betrieb geändert	zmena prevádzkových hodín	üzemidõ változtatása	Promjena usluge	Promena usluge	Изменение в услугите	Manevre modificate	Изменение часов работы	provoz změněn
SPCMAR	Special marks	bijzondere markering	Signalisation spéciale	besondere Zeichen	špeciálne značenie	speciális jelek	Posebne oznake	Posebne oznake	Специална сигнализация	Semnalizare specială	Специальные знаки	zvláštní znaky
EXERC	Exercises	oefeningen	exercices	Übungen	cvičenia	gyakorlatok	Vježbe	Vežbe	упражнения	Exerciţii	упражнения	cvičení
LEADEP	Least depth sounded	minst gepeilde diepten	Profondeur minimale	minimale Tiefe	minimálna hĺbka	minimális mélység	Minimalna dubina	Najmanja izmerena dubina	Минимална дълбочина	Adâncime minimă	Последенее зафиксированное значение глубины	minimální hloubka

LEVDEC	Decreasing water level	afnemend water	Décrue	fallender Wasserstand	klesajúca vodná hladina	csökkenő vízállás	Vodostaj u opadanju	Spuštanje vodostaja	Намаляващо водно ниво	Scăderea nivelului apei	Падающий уровень воды	klesající vodní stav
LEVRIS	Rising water level	wassend water	Eaux montantes	steigender Wasserstand	stúpajúca vodná hladina	emelkedő vízállás	Vodostaj u porastu	Porast vodostaja	Растящо водно ниво	Creşterea nivelului apei	Повышающийся уровень	stoupající vodní stav
ANNOUN	Announcement	mededeling	Annonce	Nachricht	oznámenie	hirdetmény	Najava	Najava	Обява	Anunț	Оповещение	zpráva
LIMITA	Limitations	beperkingen	Limitations	Einschränkungen	prekážka	korlátozás	Zapreka	Ograničenje	Ограничение	Limitări	Ограничение	omezení
CANCEL	Notice withdrawn	bericht ingetrokken	Avis annulé	Nachricht aufgehoben	správa bola vyzdvihnutá	hirdetmény visszavonva	Povučena obavijest	Opoziv obaveštenja	Анулирано съобщение	Aviz anulat	Отмена	zpráva byla zrušena
MISECH	False radar echos	valse echo's	Faux échos radar	Geisterechos	falošná odozva	hamis radarvisszhangok	Pogrešan odziv	Lažni odziv	Грешно радарно ехо	Ecou radar fals	Закрыто для радара	falešná ozvěna
ECDISU	Inland ECDIS update	Inland ECDIS update	Mise à jour des données Inland ECDIS	Inland ECDIS Update	aktualizácia Inland ECDIS	Inland ECDIS frissítés	Nadopuna Inland ECDIS	Ažuriranje Inland ECDIS	Обновяване на ECDIS	Actualizarea datelor ECDIS	Обновление Inland ECDIS информации	aktualizace informací Inland ECDIS
NEWOBJ	New object	nieuw object	Nouvel objet	neues Objekt	nový objekt	Új objektum	Novi objekt	Novi objekat	Нов обект	Obiect nou	Новый объект	nový objekt
WARNIN	Warning	waarschuwing	Avertissement	Warnung	varovanie	figyelmeztetés	Upozorenje	Upozorenje	Внимание	Avertisment	Предупреждение	varování
CHWWY	changing in the waterway	verandering van de vaarweg	modification de la passe navigable	Änderung der Wasserstraße	zmeny na vodnej ceste	hajóútváltozás	Promjene na plovnom putu	Promene u rečnom toku	Промени във водния път	Modificări ale căii navigabile	Изменение фарватера	změna na vodní cestě
CONWWY	constriction of waterway	beperking van de vaarweg	rétrécissement de la passe navigable	Einengung der Wasserstraße	zúženie vodnej cesty	hajóútszűkület	Suženje plovnog puta	Suženje rečnog toka	Строителни работи по водния път	Ingustareaa căii navigabile	строительство фарватера	zúžení vodní cesty
DIVER	diver under the water	duikwerkzaamheden	plongeurs au travail	Arbeiten unter Wasser	práce pod vodou	vízalatti munkák	Ronilac pod vodom	Ronilac pod vodom	Водолазни работи	Scafandru în apă	водолаз под водой	práce pod vodou
SPECTR	special transport	bijzonder transport	transport spécial	Sondertransport	špeciálna preprava	különleges szállítás	Poseban transport	Specijalni transport	Специализиран транспорт	Transport special	Специальная перевозка	zvláštní přeprava
LOCRUL	local rules of traffic	lokale scheepvaart voorschriften	règlements de navigation locaux	lokal gültige Verkehrsvorschriften	lokálne pravidlá plavby	helyi közlekedési rend (R)	Lokalni prometni propisi	Lokalna pravila saobraćaja	Местни (локални) правила за движение	Regulamente locale de trafic	Местные правила движения	místní úprava plavebních předpisů
VHFCOV	Radio coverage	radiobereik	Couverture radio	Funkabdeckung	rádiové pokrytie	rádiós lefedettség	Radijska pokrivenost	Radio	Радио покритие (обхват)	Acoperire radio	Покрытие радиосигналом	rádiové pokrytí

HIGVOL	High voltage conduction	hoogspanning	Ligne haute tension	Hochspannung	vedenie vysokého napätia	nagy feszültségű átfeszítés	Visoki napon	Visoki napon	Високо напрежение	Linie de înaltă tensiune	высоковольтный кабель	vedení vysokého napětí

Value	Meaning (EN)	Meaning (NL)	Meaning (FR)	Meaning (DE)	Meaning (SK)	Meaning (HU)	Meaning (HR)	Meaning (CS)	Meaning (BG)	Meaning (RO)	Meaning (RU)	Meaning (CZ)
ALL	All	alle scheepvaart	Tous les usagers	alle	všetci (používatelia)	mindenkire vonatkozó	Sve vrste plovila	Sve vrste plovila	Всички	Toți utilizatorii	Все суда	všichni
CDG	Commercial vessels with dangerous goods	beroepsvaart gevaarlijke stoffen	Transports de matières dangereuses	kommerzielle Fahrzeuge mit gefährlichen Gütern	obchodné lode s nebezpečným tovarom	kereskedelmi hajó veszélyes áruval	Komercijalno plovilo s opasnim teretom	Komercijalno plovilo s opasnim teretom	Търговски кораб превозващ опасни товари	Transport de materiale periculoase	Торговое судно с опасным грузом	obchodní loď s nákladem nebezpečných věcí
COM	Commercial vessels	beroepsvaart	Bateau de commerce	kommerzielle Fahrzeuge	obchodné lode s nebezpečným tovarom	kereskedelmi hajó	Komercijalno plovilo	Komercijalno plovilo	Търговски кораб	Navă comercială	Торговое судно	obchodní loď
PAX	Passengervessels	passagiersschepen	Bateau à passagers	Fahrgastschiffe	osobné lode	személyszállító hajó	Putničko plovilo	Putničko plovilo	Пътнически кораб	Navă de pasageri	Пассажирское судно	osobní loď
PLE	Pleasurecraft	recreatievaart	Bateau de plaisance	Sportboote	výletné lode	kedvtelési célú hajó	Plovilo za razonodu	Sportsko-rekreativno plovilo	Спортен или увеселителен кораб	Navă de agrement	Спортивное судно	sportovní člun
CNV	Convoys	samenstel	Convoi	Verbände	zostavy	hajókötelék	Konvoj	Sastav/Konvoj	Конвой	Convoi	Караван	skupina plavidel
PUS	Pushed convoys	duweenheid	convois poussés	Schubverbände	tlačné zostavy	tolt kötelékek	Gurani konvoj	Gurani sastav/konvoj	Конвой на тласкане	Convoi împins	караван с толкачем	tlačná sestava
NNU	non navigating users	niet nautische gebruikers	usagers non navigants	andere als nautische Nutzer	neplávajúci užívatelia	nem hajózási használók	Korisnici koji ne plove	Korisnici koji nemaju navigaciju	Потребители извън навигация	Personal nenavigant	для несудоходных целей	jiní než nautiční uživatelé

Value	Meaning (EN)	Meaning (NL)	Meaning (FR)	Meaning (DE)	Meaning (SK)	Meaning (HU)	Meaning (HR)	Meaning (CS)	Meaning (BG)	Meaning (RO)	Meaning (RU)	Meaning (CZ)
RIV	River	rivier	Rivière	Fluss	rieka	folyó	Rijeka	Reka	Река	Fluviu	Река	řeka
CAN	Canal	kanaal	Canal	Kanal	kanál	csatorna	Kanal	Kanal	Канал	Canal	Канал	kanál
LAK	Lake	meer	Bassin	See	jazero	tó	Jezero	Jezero	Езеро	Lac	Озеро	jezero
FWY	Fairway	vaarweg	Chenal	Fahrwasser	plavebná dráha	hajóút	Plovni put	Plovni put	Фарватер	Şenal	Фарватер	vodní cesta
LCK	Lock	sluis	Ecluse	Schleuse	plavebná komora	zsilip	Ustava	Prevodnica	Бараж	Ecluză	Шлюз	plavební komora
BRI	Bridge (fixed, opening, lifting, aqueduct)	brug	Pont (fixe, mobile)	Brücke	most (pevný, otvárací, zdvíhací,akvadukt...)	híd (állandó, nyitható)	Most	Most (fiksni, otvaranje, podizanje, akvadukt	Мост - постоянен, отварящ се, повдигащ се, виадукт	Pod (fix, mobil)	Мост	most
RMP	Ramp	helling	Plan incliné	Rampe	rampa	rámpa	Rampa	Rampa	Рампа	Rampă	Рампа	rampa
BAR	Weir	stuw	Barrage	Wehr	hať	gát	Pregrada	Ustava	Бент	Baraj	Плотина	jez
BNK	Bank (River bank, canal bank, lake shore)	oever	Berge (de rivière, de canal, de bassin)	Ufer	breh (breh rieky, breh kanála, breh jazera)	part	Obala	Obala (reke, kanala, jezera)	Бряг - речен, на канал, на езеро	Mal înalt (râu, canal, bazin)	берег водоема (реки, канала, озера)	břeh
GAU	Tide gauge	peilschaal	Échelle/Maréégraphe	Pegel	stanica merania prílivu	vízmérce	Vodomjerna postaja	Vodomerna stanica	Водомерна станция	Miră de maree	водомерная станция, водомер	vodočet
BUO	Buoy	boei	Bouée	Boje	bója	bója	Plutača	Bova	Буй	Geamandură	Буй	bóje
BEA	Beacon	baken	Balise	Bake	maják	parti (irány)jel	Signal	Svetionik	Маяк	Baliză	Маяк	signalizační plavební znak
ANC	Anchoring area	ankerplaats	zone de stationnement	Ankerplatz	kotvisko	horgonyzóhely	Područje sidrenja	Sidrište	Котвена стоянка	Sector de ancorare	Якорная стоянка	kotviště
BER	Berth	ligplaats	point de stationnement	Liegeplatz	vyväzisko lodí	kikötőhely	Vez	Privezište	Корабно място (кей)	Punct de ancorare	Причал	vývaziště
MOO	Mooring facility	afmeer faciliteit	Aménagement d´amarrage	Festmacheeinrichtung	vyväzovacie zariadenie	kikötőberendezés	Naprava za privez	Oprema za izvezivanje	Швартово устройство	Posibilitate de acostare	Швартовое устройство	vyvazovací zařízení
TER	Terminal	terminal	Terminal	Umschlagplatz	terminál	rakodó	Terminal	Terminal	Терминал	Terminal	Терминал	překladiště
HAR	Harbour	haven	Port	Hafen	prístav	kikötő	Luka	Luka	Пристанище	Port	Гавань	přístav
FDO	Floating dock	drijvend dok	Pontons	Schwimmdock	plávajúci dok	úszódokk	Plutajući dok	Plovećí dok	Плаващ док	Ponton	плавучий док	plovoucí dok

CAB	Cable overhead	overhangende kabel	Câble suspendu (Chemin de câbles, lignes électriques)	Überspannung	vzdušné vedenie kábla	átfeszítés	Viseći dalekovod	Dalekovod	Далекопровод	Cablu suspendat	оконечность кабеля	vzdušné vedení kabelu
FER	Cable ferry	veerpont (kabel)	Bac à cable	Seilfähre	lanová prievozná loď (kompa)	Köteles komp	Skela na uže	Skela	Фериботни буксирни въжета	Bac pe cablu	Канатны паром	lanová převozní loď
PIP	Pipeline	pijpleiding	Oléoduc	Pipeline	potrubie	csővezeték	Cjevovod	Podvodnik	Тръбопровод	Conducte	Трубопровод	potrubí
PPO	Pipeline overhead	overhangende pijpleiding	Oléoduc aérien	Rohrbrücke	vzdušné vedenie potrubia	csőhíd	Viseći cjevovod	Nadvodna instalacija	Надземен тръбопровод	Conducte suspendate	Оголовок трубопровода	nadzemní vedení potrubí
HFA	Harbour facility	haven faciliteit	Installation portuaire	Hafeneinrichtung	prístavné zariadenia	kikötői létesítmény	Lučke građevine	Lučka infrastruktura	Пристанищно оборудване	Facilități portuare	Портовое оборудование	přístavní zařízení
HMO	Harbour master´s office	havenkantoor	Capitainerie	Hafenmeisterbüro	Kapitanát	kikötő kapitányság	Kapetanija	Lučka kapetanija	Капитан на пристанището	Căpitănie	Капитания порта	kancelář vedoucího přístavu
SHY	Shipyard	werf	Chantier naval	Werft	lodenica	hajógyár	Brodogradilište	Brodogradilište	Корабостроителница	Şantier naval	Судостроительный завод	loděnice
REF	Refuse dump	afval afgiftepunt	Station de collecte de déchets	Abfallsammelstelle	skládka odpadu	hulladéklerakó	Smetlište	Skladište otpadnih materija	Сметище	Stație de colectare a deşeurilor	отвал грунта	sběrna odpadu
MAR	Notice mark	verkeersteken	Panneau de signalisation	Schifffahrtszeichen	plavebný znak	hajózási jel(zés)	Plovidbena oznaka	Obaveštenje	Информационно табло	Panou de semnalizare	Информационный знак	plavební znak
LIG	Light	licht	Feux	Licht	svetlo	fény	Svijetlo	Svetlo	Светло	Semnal luminos	Огонь	světlo
SIG	Signal station	seinstation	Station de signalisation	Signalstation	signálna stanica	jelzőállomás	Signalana postaja	Signalna stanica	Сигнална станция	Stație de semnalizare	Сигнальная станция	signální stanice
TUR	Turning basin	zwaaikom	Bassin de virage	Wendeplatz	obratový bazén	fordítóhely	Mjesto za okretanje	Bazen za manevrisanje	Обръщателен кръг	Loc de rondou	разворотный бассейн	obratiště
CBR	Canal bridge	aquaduct	Pont Canal	Kanalbrücke	premostenie kanála	csatornahíd	Most na kanalu	Kanalski most	Мост на канал	Pod canal	Аквиадук	přemostění kanálu
TUN	Tunnel	tunnel	Tunnel	Tunnel	tunel	alagút	Tunel	Tunel	Тунел	Tunel	Тунель	tunel
BCO	Border Control	grensstation	Poste de douane	Grenzstation	hraničná kontrola	határállomás	Granična kontrola	Granična kontrola	Граничен контрол	Punct control trecere frontieră	Пограничный контроль	hraniční kontrola
REP	Reporting Point	meldpunt	Poste de contrôle	Meldepunkt	miesto hlásenia	jelentkezési pont	Kontrolna točka	Prijavna tačka	Контролен пост	Punct raportare	Точка оповещения	místo hlášení

FLO	Flood gate	keersluis	Porte de garde	Sperrtor	protipovodňov é vráta	zsilipkapu	Vrata prevodnice	Vrata prevodnice	шлюз	Poartă pentru regularizare debit	шлюзы	ochranná vrata

Code	Thickness	Description (EN)	Description (NL)	Description (FR)	Description (DE)	Description (SK)	Description (HU)	Description (HR)	Description (CS)	Description (BG)	Description (RO)	Description (RU)
A	Unknown	clear water	open water	Eaux normales	offenes Wasser	voľná voda	jégmentes víz	Plovidba slobodna	Plovidba slobodna	Чиста вода	Fără gheaţă	чистая вода
B	0 - 4 cm	light spread floating ice	licht verspreid drijfijs	glaces légères dispersées	Treibeis	ľadová triešť	vékony szórványos jégtáblák	Raširene tanke sante leda	Raširene tanke sante leda	Разпръснат плаващ лед	Gheaţă subţire plutitoare dipersată	малоразреженный плавучий лёд
C	0 - 4 cm	light floating ice	licht drijfijs	glaces légères flottantes	leichtes Treibeis	slabá ľadová triešť	vékony jégtáblák	Tanke sante leda	Tanke sante leda	Рядък плаващ лед	Gheaţă subţire plutitoare	радкий плавучий лёд
D	0 - 4 cm	light solid ice	licht vast ijs	glace légère	leichtes Eis	slabý ľad	könnyû beállt jég	Lagano zaleđeno	Lagano zaleđeno	Слабо заледяване	Gheaţă subţire	малосплочённый лёд
E	4 - 8 cm	medium spread floating ice to 40% covered	middelzwaar verspreid drijfijs tot 40% bedekt	glaces moyennes dispersées couvrant 40 %	mittelschweres zerstreutes Treibeis, bis 40 % eisbedeckt	stredne silná rozptýlená ľadová triešť, pokrytie do 40%	közepes szórványos jégtáblák 40%-ig jégfedettségig	Srednje debele sante leda, pokrivenost do 40%	Srednje debele sante leda, pokrivenost do 40%	Средно разреден плаващ лед (до 40% покритие)	Gheaţă mijlocie plutitoare dipersată acoperind 40%	плавучий лёд средней разреженности (до 40%)
F	4 - 8 cm	medium spread floating ice 40 to 75% covered	middelzwaar verspreid drijfijs 40 tot 75% bedekt	glaces moyennes flottantes dispersées couvrant 40 à 75 %	mittelschweres zerstreutes Treibeis, 40 bis 75 % eisbedeckt	stredne silná rozptýlená ľadová triešť, pokrytie od 40% do 75%	közepes szórványos jégtáblák 40%-70% közötti jégfedettséggel	Srednje debele sante leda, pokrivenost 40 do 75%	Srednje debele sante leda, pokrivenost 40 do 75%	Средно разреден плаващ лед (40%-70% покритие)	Gheaţă mijlocie plutitoare dipersată acoperind 40% până la 75%	плавучий лёд средней разреженности (40% - 70%)
G	4 - 8 cm	medium floating ice more than 75% in sludge or lead	middelzwaar drijfijs meer dan 75% in geul of slop	glaces moyennes flottantes dispersées couvrant plus de 75 % du chenal	mittelschweres Treibeis, mehr als 75 % der Rinne eisbedeckt	stredne silná rozptýlená ľadová triešť, pokrytie viac ako 75%	közepes jégtáblák több mint 75%-ban kásajégként vagy jégmentes sávokban	Srednje debele sante leda, pokrivenost veća od 75%	Srednje debele sante leda, pokrivenost veća od 75%	Плаващ лед със средна дебелина покриващ над 75 %	Gheaţă mijlocie plutitoare dipersată acoperind peste 75% din şenal	плавучий лёд средней разреженности (больше 75% ледового канала покрыто ледяной кашей)
H	4 - 8 cm	medium vast ice	middelzwaar vast ijs	glace moyenne	mittelschweres festes Eis	stredne pevný ľad	közepes beállt jég	Srednje debeli tvrdi led	Srednje debeo, tvrd led	Средно дебел твърд лед	Gheaţă mijlocie	лёд средней сплочённости
K	8 - 12 cm	heavy spread floating ice to 40 % covered	zwaar verspreid drijfijs tot 40 % bedekt	glaces lourdes flottantes dispersées couvrant jusqu'à 40 %	schweres zerstreutes Treibeis, bis 40 % eisbedeckt	silná a rozptýlená ľadová triešť, pokrytie do 40%	vastag szórványos jégtáblák 40%-os jégfedettségig	Debele sante leda, pokrivenost do 40%	Debele sante leda, pokrivenost do 40%	Дебел плаващ лед (до 40% покритие)	Gheaţă groasă plutitoare dispersată acoperind până la 40%	тяжелый разреженный плавучий лёд (до 40%)
L	8 - 12 cm	heavy spread floating ice 40 to 75 % covered	zwaar verspreid drijfijs 40 tot 75 % bedekt	glaces lourdes flottantes dispersées couvrant 40 à 75 %	schweres zerstreutes Treibeis, 40 bis 75 % eisbedeckt	silná a rozptýlená ľadová triešť, pokrytie od 40% do 75%	vastag jégtáblák 40%-70% közötti jégfedettséggel	Debele sante leda, pokrivenost 40 do 75%	Debele sante leda, pokrivenost 40 do 75%	Дебел плаващ лед (40%-70% покритие)	Gheaţă groasă plutitoare dispersată acoperind 40% până la 75%	тяжелый разреженный плавучий лёд (40% - 75%)
M	8 - 12 cm	heavy dense floating ice with more than 75% chance on coagulation	zwaar opeengepakt drijfijs met meer dan 75% kans op propvorming	glaces lourdes flottantes dispersées couvrant plus de 75 % et chance de coagulation	schweres zusammengepferchtes Treibeis mit mehr als 75 %, Gefahr für Dammbildung	hustá ľadová triešť s viac ako 75% možnosťou koagulácie	vastag jégtáblák több mint 75%-os, torlaszképződés veszély	Debele sante leda, pokrivenost veća od 75% mogućnost zaleđivanja	Debele sante leda, pokrivenost veća od 75% mogućnost zaleđivanja	Дебел плътен лед с вероятност за заледяване над 75%	Gheaţă groasă plutitoare dispersată acoperind mai mult de 75% şi şanse de îngheţ	очень сплочённый лёд, более 75%-ая вероятность образования заторов
P	8 - 12 cm	heavy floating ice with more than 75% in sludge or lead currently broken sludge	zwaar drijfijs met meer dan 75% in geul of slop heden gebroken geul	glaces lourdes flottantes couvrant plus de 75 % du chenal, chenal brisé recemment	schweres Treibeis mehr als 75 % der Rinne eisbedeckt, Rinne heute gebrochen	silná a rozptýlená ľadová triešť, pokrytie viac ako 75% plavebnej dráhy, dnes rozbutá ryha	vastag jégtáblák több mint 75%-os fedettség, ma tört hajózócsatornával	Debele sante leda, pokrivenost veća od 75% trenutno razbijen led	Debele sante leda, pokrivenost veća od 75%, trenutno razbijen led	Дебел плътен лед с покриващ над 75% или току що разбит лед	Gheaţă groasă plutitoare dispersată acoperind peste 75% din şenal, şenal spart recent	тяжелый плавучий лёд, более 75%, в настоящий момент судоходство затруднено из-за ледяной каши в ледовом канале
R	8 - 12 cm	heavy vast ice	zwaar vast ijs	glace solide épaisse	schweres festes Eis	silne pevný ľad	vastag beállt jég	Debeli tvrdi led	Debeo tvrd led	Дебел твърд лед	Gheaţă groasă solidă	очень сплочённый лёд
S	> 12 cm	very heavy floating ice en solid ice nearly 100% covered	zeer zwaar drijfijs en pakijs bijna 100% bedekt	glaces flottantes trés lourdes et banquise couvrant presque 100 %	sehr schweres Treibeis und Packeis, fast 100 % eisbedeckt	veľmi pevná ľadová triešť a ľadovce, pokrytie takmer 100%	nagyon vastag úszó és parti jég közel 100%-os jégfedettséggel	Vrlo debele sante i tvrdi led sa skoro 100% pokrivenosti	Vrlo debele sante i tvrd led sa skoro 100% pokrivenosti	Много дебел плаващ твърд лед покриващ почти 100%	Banchize plutitoare groase acoperind aproape 100%	очень тяжёлый плавучий и сплошной лёд (почти 100%)
U	> 40 cm	ice dam or drifting ice	ijsdam of kruiend ijs	barrage de glace ou débâcle	Eisdamm oder Eisstau	ľadová bariéra alebo nahromadenie ľadu	jégtorlasz vagy sodródó jég	Ledena prepreka ili plutajući led	Ledena prepreka ili plutajući led	Ледени прегради или струпвания	Pod de gheaţă sau gheaţă plutitoare	ледяной затор или скопление дрейфующего льда
O	Unknown	disappearing (pap)ice, no longer obstructing	verdwijnend (pap)ijs, niet meer hinderlijk	glaces fondantes, aucune gêne	Pappeis, nicht länger behinderlich	strácajúci sa tenký ľad, žiadne prekážky	elolvadó (kásás) jég, akadályozás megszűnt	Otapanje leda, nema prepreka	Otapanje leda, nema prepreka	Топящ се лед, няма препятствия	Gheţari topiţi, nici unul periculos	разрушающийся лёд с проталинами, беспрепятственное судоходстве
V	(No traffic)	navigation interrupted	vaarverbod	navigation interrompue	Fahrverbot	zákaz plavby	hajózási szünetel	Zabrana plovidbe	Zabrana plovidbe	Навигацията е преустановена	Navigaţie întreruptă	судоходство остановлена

Code	Description (EN)	Description (NL)	Description (FR)	Description (DE)	Description (SK)	Description (HU)	Description (HR)	Description (CS)	Description (BG)	Description (RO)	Description (RU)
A	navigation normal	scheepvaart normaal	Navigation normale	Schifffahrt normal	normálna plavba	normális/szokásos hajózás	Normalna plovidba	Normalna plovidba	Нормална навигация	Navigaţie normală	полная навигация
B	navigation not yet hindered	scheepvaart ondervindt nog geen hinder	Navigation possible	Schifffahrt wird noch nicht behindert	plavba ešte nebude obmedzená	hajózás még nem korlátozott	Plovidba jos uvijek moguća	Plovidba još uvek moguća	Навигацията все още е възможна	Navigaţie posibilă	достаточная навигация
F	low traffic	scheepvaart gering	Trafic faible	wenig Schifffahrt	nízka premávka	jelentéktelen hajóforgalom	Slab promet	Slab saobraćaj	Слаба навигация	Trafic scăzut	незначительная навигация
L	no navigation without breaking	geen vaart, indien niet wordt gebroken	navigation seulement derrière brise-glace	keine Schifffahrt ohne Eisbrecher	zákaz plavby bez ľadoborca	jégtörő nélkül hajózási tilalom	Nema plovidbe bez lomljenja leda	Nema plovidbe bez ledolomca	Навигация само след ледоразбивач	Nu se navigă fără dispozitiv de spargere a gheţii	плавание только под проводкой ледокольных средств
C	navigation possible for motorvessels with more than 0.74 Kw (1 hp) per 2 tons	vaart mogelijk voor motorschepen vanaf 0.74 Kw (1 pk) per 2 ton	La navigation est possible pour automoteurs de plus de 0.74 Kw (1 ch) par 2 tonnes	Schifffahrt möglich für Motorschiffe ab 0.74 Kw (1 Pk) pro 2 Tonnen	plavba možná pre motorové plavidlá s výkonom viac ako 0,74 kW na 2 t (hp)	hajózás csak géphajóknak: minimum 0,74 kW 2 tonnánkként	Plovidba dozvoljena za plovila sa motorom snage veće od 0.74 KW(1ks)/2t	Plovidba dozvoljena za plovila sa motorom snage veće od 1KS/2t	Навигацията е възможна само за кораби с мощност над 0,5 к.с. на тон	Navigaţia este posibilă pentru automotoare cu mai mult de 0.74 Kw (1 CP) per 2 tone	навигация только для самоходных судов с удельной мощностью более 1 лошадиной силы на 2 тонны
D	navigation possible for motorvessels with more than 0.74 Kw (1 hp) per ton	vaart mogelijk voor motorschepen vanaf 0.74 Kw (1 pk) per 1 ton	La navigation est possible pour automoteurs de plus de 0.74 Kw (1 ch) par tonne	Schiffahrt möglich für Motorschiffe ab 0.74 Kw (1 Pk) pro Tonne	plavba možná pre motorové plavidlá s výkonom viac ako 0,74 kW/ t (hp)	hajózás csak géphajóknak: minimum 0,74 kW tonnánként	Plovidba dozvoljena za plovila sa motorom snage veće od 0.74 KW(1ks)/t	Plovidba dozvoljena za plovila sa motorom snage veće od 1KS/t	Навигацията е възможна само за кораби с мощност над 1 к.с. на тон	Navigaţia este posibilă pentru automotoare cu mai mult de 0.74 Kw (1 CP) per tonă	навигация только для самоходных судов с удельной мощностью более 1 лошадиной силы на 1 тонну
E	navigation possibilities remain constant	huidige vaarmogelijkheid blijft hetzelfde	Les possibilités de navigation sont constantes	heutige Fahrtmöglichkeiten bleiben gleich	súčasné plavebné podmienky zostávajú rovnaké	Hajózási feltételek állandósultak	Uvijeti plovidbe ostaju isti	Uslovi plovidbe ostaju isti	Възможностите за навигация не са променени	Posibilităţile de navigaţie rămân constante	навигационные условия без изменений
G	navigation possibilities may deteriorate rapidly	vaarmogelijkheid kan snel verslechteren	Les possibilités de navigation peuvent se détériorer rapidement	Fahrmöglichkeit kann sich schnell verschlechtern	plavebné podmienky sa môžu rýchlo zhoršiť	a hajózási lehetőségek gyorsan változhatnak	Uvijeti plovidbe se mogu naglo pogoršati	Uslovi plovidbe se mogu naglo pogoršati	Възможно е рязко влошаване на навигационните условия	Posibilităţile de navigaţie se pot deteriora rapid	возможно резкое ухудшение условий плавания
H	no navigation but no obstruction	geen vaart, maar niet gestremd	Interruption de navigation même sans obstacle	keine Fahrt, aber kein Fahrverbot	zastavená plavba, bez plavebnej prekážky	Hajózás akadálymentesség ellenére nincs	Nema plovidbe, nema prepreka	Nema plovidbe, nema prepreka	Няма навигация, но няма препятствия	Nu se navigă dar nu sunt obstrucţii	навигации нет, но движение разрешено
M	navigation possible with the aid of ice breakers	scheepvaart met ijsbrekers mogelijk	La navigation est possible à l'aide d'une brise-glace	Schifffahrt mit Eisbrecher möglich	plavba možná s pomocou ľadoborca	hajózás jégtörővel lehetséges	Plovidba moguća uz upotrebu ledolomca	Plovidba moguća uz upotrebu ledolomca	Навигацията е възможна само с ледорезни приспособления	Navigaţia este posibilă cu ajutorul unui dispozitiv de spart gheaţa	плавание под проводкой ледокольных средств разрешено
K	navigation possible in convoy or towage	varen in konvooi of sleep mogelijk	La navigation est possible en convois ou avec remorqueur	Fahren im Geleitzug oder Schlepp möglich	plavba možná v zostave alebo vo vleku	hajózás kötelékben vagy vontatva lehetséges	Plovidba moguća u konvoju ili u teglju	Plovidba moguća u konvojima i šlepovima	Навигацията е възможна в конвой или с буксир	Navigaţia este posibilă în convoi sau remorcat	движение в составах или с буксирами
T	navigation possibilities may improve rapidly	vaarmogelijkheid kan snel verbeteren	Les possibilités de navigation peuvent s´améliorer rapidement	Fahrmöglichkeit kann sich schnell verbessern	plavebné podmienky sa môžu rýchlo zlepšiť	hajózási lehetőségek gyorsan javulhatnak	Uvijeti plovidbe se mogu naglo poboljšati	Uslovi plovidbe se mogu naglo poboljšati	Възможно е рязко подобряване на навигационните условия	Posibilităţile de navigaţie se pot ameliora rapid	возможно резкое улучшение условий плавания
P	inland ports can hardly be reached	binnenhavens nauwelijks bereikbaar	L´arrivée aux ports intérieurs est très difficile	Innenhäfen kaum erreichbar	vnútrozemské prístavy sú ťažko dosiahnuteľné	belvízi kikötők alig elérhetők	Riječne luke teško dostupne	Rečne luke teško dostupne	Речните пристанища са трудно достъпни	Accesul în porturile interioare poate fi foarte dificil	доступ к внутренним портам сильно затруднён
V	no navigation allowed	vaarverbod	Navigation interrompue	Fahrverbot	zákaz plavby	hajózási tilalom	Plovidba nije dozvoljena	Zabrana plovidbe	Преустановена навигация	Navigaţia nu este permisă	навигация запрещена
X	navigation in convoys compulsory	verplichte konvooivaart	Navigation en convois obligatoire	Zugfahrt verpflichtend	povinná plavba v zostave	hajózás csak kötelékben engedélyezett	Obvezna plovidba u konvojima	Obvezna plovidba u konvojima	Плаването в конвой е задължително	Navigaţia în convoaie este obligatorie	движение конвоем обязательно

Code	Description (EN)	Description (NL)	Description (FR)	Description (DE)	Description (SK)	Description (HU)	Description (HR)	Description (CS)	Description (BG)	Description (RO)	Description (RU)
A	Navigable	goed bevaarbaar	navigable	gut befahrbar	splavný	hajózható	Plovno	Plovno	Свободна навигация	Navigabil	беспрепятственное судоходство
B	fairly navigable	vrij goed bevaarbaar	raisonnablement navigable	ziemlich gut befahrbar	pomerne dobre splavný	Teljes mértékben hajózható	Pretežno plovno	Relativno plovno	Умерена навигация	Navigabil în condiţii acceptabile	достаточно беспрепятственное судоходство
C	navigable with difficulty	moeilijk bevaarbaar	navigation pénible	schwer befahrbar	splavný s ťažkosťami	nehezen hajózható	Plovno uz teškoće	Plovno uz potěškoće	Затруднена навигация	Navigabil cu dificultate	затруднённое судоходство
D	navigable only with great difficulty	zeer moeilijk bevaarbaar	navigation très pénible	sehr Schwer befahrbar	splavný len s veľkými ťažkosťami	nagyon nehezen hajózható	Plovno uz velike teškoće	Plovno uz velike potěškoće	Силно затруднена навигация	Navigabil numai cu mare dificultate	сильно затруднённое судоходство
E	no navigation allowed	vaarverbod	navigation interrompue	Fahrverbot	zákaz plavby	hajózási tilalom	Plovidba nije dopuštena	Zabrana plovidbe	Преустановена навигация	Navigaţia nu este permisă	судоходство запрещено

Code	Description (EN)	Description (NL)	Description (FR)	Description (DE)	Description (SK)	Descripti-on (HU)	Description (HR)	Description (CS)	Description (BG)	Description (RO)	Description (RU)	Description (CZ)
nol	no limitation	geen beperkingen	pas de limitation	keine Behinderung	bez obmedzenia	nincs korlátozás	Nema ograničenja	bez ograničenja	Без ограничения	Fără restricții	без ограничений	bez omezení
lim	limitation	beperkingen	limitation	Behinderung	obmedzenie	korlátozás	Ograničenje	ograničenje	Ограничение	Cu restricții	ограниченно	omezení
non	no navigation allowed	vaarverbod	navigation interdite	gesperrt	plavba uzavretá	hajózás nem megengedett	Plovidba nije dopuštena	navigacija nije dozvoljena	Преустановена навигация	Navigația nu este permisă	навигация запрещена	plavba zastavena

Country	Name of gauge		Place	Area of applicability		Reference level 1		Reference level 2		Reference level 3		Zero point	Geod. ref.	ISRS location code
		Waterway	km	From km	To km	Code	value	Code	value	Code	value	(cm)		
AT	Achleiten	Danube	2223,05	2226,72	2214,51	LDC	255	MW	324	HDC	502	28804	Adriatic s.	ATXXX00001GAUGE22231
AT	Linz	Danube	2135,17	2146,48	2130,60	LDC	316	MW	389	HDC	545	24774	Adriatic s.	ATLNZ00001GAUGE21352
AT	Mauthausen	Danube	2110,98	2119,20	2106,85	LDC	380	MW	434	HDC	547	23598	Adriatic s.	ATMAU00001GAUGE21109
AT	Grein	Danube	2079,10	2075,00	2081,00	LDC	667	MW	715	HDC	883	21943	Adriatic s.	ATXXX00001GAUGE20791
AT	Ybbs	Danube	2058,79	2060,20	2049,60	LDC	190	MW	305	HDC	524	21222	Adriatic s.	ATXXX00001GAUGE20588
AT	Kienstock	Danube	2015,20	2006,00	2036,00	LDC	177	MW	318	HDC	624	19400	Adriatic s.	ATXXX00001GAUGE20152
AT	Korneuburg	Danube	1941,46	1948,88	1929,09	LDC	196	MW	288	HDC	537	159,87	Adriatic s.	ATKBG00001GAUGE19415
AT	Wildungsmauer	Danube	1894,72	1880,00	1920,00	LDC	173	MW	316	HDC	576	13948	Adriatic s.	ATXXX00001GAUGE18947
SK	Devín	Danube	1879,80	1880,20	1873,20	LDC	120			HDC	613	13287	Baltic sea	
SK	Bratislava	Danube	1868,75	1873,20	1851,75	LDC	233			HDC	640	12843	Baltic sea	
SK	Čunovo	Danube-derivation canal		1851,75	8,8 km of the canal	LDC	13010			HDC	13125	0	Baltic sea	
SK	Gabčíkovo	Danube derivation canal												
SK	Medveďov	Danube	1806,35	1810,00	1791,00	LDC*	100			HDC	549	10842	Baltic sea	
HU	Gönyű	Danube	1791,30	1811,00	1780,00	LDC*	-1	MW	218	HDC	498	10621	Baltic sea	
HU	Komárom	Danube	1768,34	1780,00	1740,00	LDC*	91	MW	251	HDC	555	10388	Baltic sea	
SK	Komárno	Danube	1766,20	1791,00	1736,00	LDC*	137			HDC	600	10340	Baltic sea	
SK	Štúrovo	Danube	1718,60	1736,00	1708,20	LDC*	73			HDC	510	10096	Baltic sea	
HU	Esztergom	Danube	1718,52	1736,00	1708,20	LDC*	72	MW	236	HDC	508	10096	Baltic sea	
HU	Nagymaros	Danube	1694,60			LDC	-10	MW	182	HDC	510	9938	Baltic sea	
HU	Budapest	Danube	1646,50	1708,20	1560,60	LDC	80	MW	287	HDC	668	9498	Baltic sea	
HU	Dunaújváros	Danube	1580,60	1520,00	1566,00	LDC	-8	MW	223	HDC	551	9028	Baltic sea	
HU	Dunaföldvár	Danube	1560,60	1520,00	1520,00	LDC	-54	MW	189	HDC	550	8886	Baltic sea	
HU	Baja	Danube	1478,70	1520,00	1465,00	LDC	118	MW	376	HDC	801	8099	Baltic sea	
HU	Mohács	Danube	1446,90	1465,00	1433,00	LDC	144	MW	397	HDC	815	7920	Baltic sea	
SR	Bezdan	Danube	1425,50			LDC	51	Moyen	258	HDC	596	8064	Adriatic s.	
HR	Batina	Danube	1424,84			LDC	51	Moyen	258	HDC	596	8064	Adriatic s.	
SR	Apatin	Danube	1401,40			LDC	87			HDC	665	7884	Adriatic s.	
HR	Aljmaš	Danube	1380,50					Mean	289			7808	Adriatic s.	
SR	Bogojevo	Danube	1367,30			LDC	80	Moyen	292	HDC	635	7746	Adriatic s.	
HR	Dalj	Danube	1355,10					Mean	182			7528	Adriatic s.	
HR	Vukovar	Danube	1333,10			LDC	73	Moyen	258	HDC	570	7619	Adriatic s.	

HR	Ilok	Danube	1298,80			LDC	96	Moyen	277	HDC	589	7397	Adriatic s.	
SR	Novi Sad	Danube	1255,10			LDC	80	Moyen	263	HDC	599	7173	Adriatic s.	
SR	Slankamen	Danube	1215,50			LDC	142			HDC	642	6968	Adriatic s.	
SR	Zemun	Danube	1173,00			LDC	223	Moyen	279	HDC	636	6787	Adriatic s.	
SR	Smederevo	Danube	1116,30			LDC	434	Moyen	372	HDC	680	6536	Adriatic s.	
SR	Pančevo	Danube	1154,00			LDC	261			HDC	630	6733	Adriatic s.	
HR	Osijek	Drava	19,10					Mean	123			8148	Adriatic s.	
HR	Belisce	Drava	53,80					Mean	210			8399	Adriatic s.	
HR	Donji Miholjac	Drava	77,00					Mean	79			8857	Adriatic s.	
HR	Moslavina	Drava										9094	Adriatic s.	
HR	Vrbovska	Drava										9321	Adriatic s.	
HU	Drávaszabolcs	Drava	77,70			LNW	110		179	HNW	490	8672	Baltic sea	
HU	Barcs	Drava	153,50			LNW	40		107	HNW	420	9813	Baltic sea	
HR	Terezino Polje	Drava	152,70					Mean	-79			10067	Adriatic s.	
HR	Botovo	Drava	227,10					Mean	170			12155	Adriatic s.	
SR	Sremska Mitrovica	Sava	136,00					Moyen	302			7222	Adriatic s.	
HR	Zupanja	Sava	262,00					Mean	371			7628	Adriatic s.	
HR	Slavonski Samac	Sava	306,00					Mean	219			8070	Adriatic s.	
HR	Slavonski Brod	Sava	360,00					Mean	300			8180	Adriatic s.	
HR	Mackovac	Sava	439,00					Mean	432			8364	Adriatic s.	
HR	Davor	Sava	418,00					Mean	401			8259	Adriatic s.	
HR	Jasenovac	Sava	500,50					Mean	335			8682	Adriatic s.	
HR	Crnac	Sava	575,00					Mean	135			9134	Adriatic s.	
SR	S. Rača	Sava	175,00			LDC	70			HDC	739	7466	Adriatic s.	
SR	Šabac	Sava	102,60			LDC	-43			HDC	549	7261	Adriatic s.	
SR	Beograd	Sava	0,90			LDC	182			HDC	602	6828	Adriatic s.	
HU	Győr-Bácsa	Mosoni-Duna	9,20			LNW	62			HNW	518	10698	Baltic sea	
HU	Dunabogdány	Szentendrei-Duna	27,40			LNW	-3			HNW	526	9894	Baltic sea	
HU	Szentendre há.	Szentendrei-Duna	11,00			LNW	-25			HNW	581	9768	Baltic sea	
HU	Kvassay-zsilip (Duna 1642 fkm.)	Ráckevei-Duna	57,20			LNW	110			HNW	150	9482	Baltic sea	

HU	Tassi-zsilip (Duna 1586 fkm.)	Ráckevei-Duna	0,80			LNW	646			HNW	706	8926	Baltic sea	
HU	Vásárosnamény	Tisza	684,50	686,00	650,00	LNW	-140			HNW	752	10198	Baltic sea	
HU	Záhony	Tisza	627,80	650,00	597,00	LNW	-230			HNW	554	9821	Baltic sea	
HU	Dombrád	Tisza	593,08	597,00	565,00	LNW	10			HNW	650	9405	Baltic sea	
HU	Tokaj	Tisza	543,11	565,00	525,00	LNW	350			HNW	720	8933	Baltic sea	
HU	Tiszalök-felső	Tisza	518,22	525,00	518,00	LNW	350			HNW	580	8932	Baltic sea	
HU	Tiszalök-alsó	Tisza	518,22	518,00	490,00	LNW	100			HNW	580	8932	Baltic sea	
HU	Tiszapalkonya	Tisza	484,70	490,00	440,00	LNW	-30			HNW	610	8728	Baltic sea	
HU	Tiszafüred	Tisza	430,50	440,00	410,00	LNW	345			HNW	577	8316	Baltic sea	
HU	Kisköre-felső	Tisza	403,20	410,00	403,20	LNW	525			HNW	635	8132	Baltic sea	
HU	Kisköre-alsó	Tisza	403,20	403,20	380,00	LNW	-160			HNW	635	8132	Baltic sea	
HU	Szolnok	Tisza	334,61	380,00	260,00	LNW	-205			HNW	659	7878	Baltic sea	
HU	Csongrád	Tisza	246,20	260,00	230,00	LNW	-35			HNW	622	7623	Baltic sea	
HU	Szeged	Tisza	173,60	230,00	160,00	LNW	94			HNW	630	737	Baltic sea	
SR	N. Kneževac	Tisa	141,60			LDC	50			HDC	617	7974	Adriatic s.	
SR	Senta	Tisa	122,00			LDC	125			HDC	630	7910	Adriatic s.	
SR	Novi Bečej	Tisa	65,00			LDC	213			HDC	718	7905	Adriatic s.	
SR	Titel	Tisa	9,80			LDC	133			HDC	646	7624	Adriatic s.	
HU	Felsőberecki	Bodrog	47,75	50,00	40,00	LNW	90			HNW	530	9216	Baltic sea	
HU	Sárospataki közúti híd	Bodrog	37,09	40,00	15,00	LNW	110			HNW	512	9182	Baltic sea	
HU	Tokaj (Tisza 543,11)	Bodrog		15,00	0,00	LNW	350			HNW	720	8933	Baltic sea	
HU	Bökényi duzzasztó	Hármas-Körös	5,60			LNW	77			HNW	551	7521	Baltic sea	
HU	Kunszentmárton régi közúti híd	Hármas-Körös	19,80			LNW	-13			HNW	629	-	Baltic sea	
HU	Kunszentmárton új közúti híd és vm.	Hármas-Körös	21,20			LNW	-8			HNW	605	7613	Baltic sea	
HU	Kunszentmárton vasúti híd	Hármas-Körös	22,40			LNW	-30			HNW	545	-	Baltic sea	
HU	Békésszentandrási duzzasztómű és vm. Alvízi és felvízi	Hármas-Körös	47,50			LNW	35			HNW	784	7313	Baltic sea	

HU	Szarvasi vasúti híd	Hármas-Körös	53,80			LNW	50			HNW	628	7726	Baltic sea	
HU	Endrődi közúti híd	Hármas-Körös	72,90			LNW	80			HNW	537	-	Baltic sea	
HU	Gyoma vasúti híd	Hármas-Körös	76,00			LNW	88			HNW	424	-	Baltic sea	
HU	Gyoma közúti híd és vm.	Hármas-Körös	79,20			LNW	91			HNW	606	7866	Baltic sea	
HU	Kettős-Köröstorkolat(91, 30)	Kettős-Körös	0,00			LNW	9			HNW	-	-	Baltic sea	
HU	Kőröstarcsai közúti híd vm.(98,40)	Kettős-Körös	7,10			LNW	29			HNW	616	8001	Baltic sea	
HU	Mezőberényi közúti híd(103,70)	Kettős-Körös	12,40			LNW	144			HNW	591	-	Baltic sea	
HU	Békési közúti híd és vm. (11470)	Kettős-Körös	23,40			LNW	108			HNW	500	8112	Baltic sea	
HU	Hármas-Köröstorkolat(91, 30)	Sebes-Körös	0,00			LNW	9			HNW	-	-	Baltic sea	
HU	Kőrösladányi közúti híd és vm.(100,80)	Sebes-Körös	9,50			LNW	108			HNW	500	8112	Baltic sea	
DE	Emmerich	Rhein	852,00	857,40	837,00	GLW	80			HSW	700			
DE	Wesel	Rhein	814,00	837,00	794,00	GLW	155			HSW	870			
DE	Duisburg-Ruhrort	Rhein	780,00	794,00	763,00	GLW	225			HSW	1130			
DE	Düsseldorf	Rhein	744,00	763,00	716,00	GLW	105			HSW	710			
DE	Köln	Rhein	688,00	716,00	660,00	GLW	145			HSW	620			
DE	Oberwinter	Rhein	638,00	660,00	624,00					HSW	680			
DE	Andernach	Rhein	613,00	624,00	601,00	GLW	95			HSW	760			
DE	Koblenz	Rhein	591,00	601,00	566,00	GLW	80			HSW	650			
DE	Kaub	Rhein	546,00	566,00	540,00	GLW	80			HSW	640			
DE	Bingen	Rhein	528,00	540,00	511,00	GLW	100			HSW	490			
DE	Mainz	Rhein	498,00	511,00	462,00	GLW	170			HSW	630			
DE	Worms	Rhein	444,00	462,00	431,50	GLW	65			HSW	650			
DE	Mannheim	Rhein	425,00	431,50	412,00	GLW	155			HSW	760			

DE	Speyer	Rhein		412,00	384,00	GLW	220			HSW	730			
DE	Maxau	Rhein	365,00	384,00	179,10	GLW	360			HSW	750			
DE	Heidelberg	Neckar	26,00							HSW	260			
DE	Gundelsheim	Neckar	94,00							HSW	380			
DE	Trunstadt	Main	388,00	359,00	387,00					HSW	370			
DE	Schweinfurt	Main	338,00	275,00	359,00					HSW	370			
DE	Würzburg	Main	252,00	219,00	275,00					HSW	340			
DE	Steinbach	Main	200,00	160,00	219,00					HSW	370			
DE	Obernau	Main	93,00	83,00	113,00					HSW	380			
DE	Kleinheubach	Main	121,00	113,00	160,00					HSW	370			
DE	Frankfurt	Main	37,00	28,00	83,00					HSW	370			
DE	Raunheim	Main	12,00	0,00	28,00					HSW	400			
DE	Leun	Lahn	111,00							HSW	360			
DE	Kalkofen	Lahn	32,00	135,00	70,00					HSW	360			
DE	St. Arnual	Saar	90,00							HSW	230			
DE	Fremersdorf	Saar	48,00	5,00	66,00					HSW	390			
DE	Trier	Mosel	193,00							HSW	695			
DE	Cochem	Mosel	52,00							HSW	600			
DE	Hattingen	Ruhr	57,00							HSW				
DE	Bamberg	Main-Donau-Kanal	7,00	13,00	32,00					HSW	370			
DE	Bamberg	Main-Donau-Kanal	7,00	2,00	7,00					HSW	370			
DE	Riedenburg	Main-Donau-Kanal	151,00							HSW	520			
DE	Oberndorf	Danube	2397,00			GLW	170			HSW	480			
DE	Schwabelweis	Danube	2376,00			GLW	292			HSW	520			
DE	Pfelling	Danube	2305,00			GLW	290			HSW	620			
DE	Hofkirchen	Danube	2256,00			GLW	207			HSW	480			
DE	Passau-Donau	Danube	2226,00			GLW	415			HSW	780			
DE	Dresden	Elbe	55,00	0,00	109,00					HSW	500			
DE	Torgau	Elbe	154,00	109,00	200,00					HSW	620			
DE	Wittenberg	Elbe	214,00	200,00	290,00					HSW	550			
DE	Barby	Elbe	295,00	290,00	322,00					HSW	570			
DE	Magdeburg-Strombruecke	Elbe	326,00	322,00	343,00					HSW	550			
DE	Rothensee	Elbe	333,00							HSW	745			

DE	Tangermuende	Elbe	388,00	343,00	422,00					HSW	620			
DE	Wittenberge	Elbe	453,00	422,00	502,00					HSW	610			
DE	Doemitz	Elbe	504,00	502,00	569,00					HSW	580			
DE	Hohnstorf	Elbe	569,00							HSW	820			
DE	Friedrichsthal	Havel-Oder-Wasserstrasse	133,00	126,00	134,00					HSW	660			
DE	Eisenhuettenstadt	Oder	553,00							HSW	535			
DE	Frankfurt/Oder	Oder	584,00							HSW	490			
DE	Kienitz	Oder	632,00							HSW	535			
DE	Stuetzkow	Oder	680,00							HSW	920			
DE	Calbe	Saale	17,00	0,00	20,00					HSW	690			
DE	Trotha	Saale								HSW	440			
DE	Trotha	Saale								HSW	400			
DE	Gartz	Westoder								HSW	630			
NL	Lobith	Boven-Rijn	862,20									0	NAP	
NL	Pannerdensche kop	Waal	867,00									0	NAP	
NL	Nijmegen haven	Waal	864,80									0	NAP	
NL	Tiel Waal	Waal	913,40									0	NAP	
NL	Zaltbommel	Waal	934,70									0	NAP	
NL	Vuren	Waal	951,75									0	NAP	
NL	IJsselkop	Neder-Rijn	878,60									0	NAP	
NL	Driel boven	Neder-Rijn	891,15									0	NAP	
NL	Driel beneden	Neder-Rijn	891,75									0	NAP	
NL	Amerongen boven	Neder-Rijn	922,10									0	NAP	
NL	Amerongen beneden	Neder-Rijn	922,60									0	NAP	
NL	Culemborg brug	Lek	939,60									0	NAP	
NL	Hagestein boven	Lek	946,65									0	NAP	
NL	Hagestein beneden	Lek	947,75									0	NAP	
NL	Schoonhoven	Lek	971,55									0	NAP	
NL	Krimpen a/d Lek	Lek	988,60									0	NAP	

NL	Werkendam buiten	Nieuwe Merwede	962,30									0	NAP	
NL	Dordrecht	Oude Maas	976,40									0	NAP	
NL	Rotterdam	Nieuwe Maas	999,45									0	NAP	
NL	Maassluis	Nieuwe Waterweg	1018,70									0	NAP	
NL	Hoek van Holland	Nieuwe Waterweg	1030,10									0	NAP	
NL	Doesburg brug	Geldersche Ijssel	902,95									0	NAP	
NL	Zutphen Noord	Geldersche Ijssel	928,15									0	NAP	
NL	Eefde	Geldersche Ijssel	931,20									0	NAP	
NL	Deventer	Geldersche Ijssel	944,80									0	NAP	
NL	Olst	Geldersche Ijssel	957,15									0	NAP	
NL	Katerveer	Geldersche Ijssel	979,80									0	NAP	
NL	Kampen	Geldersche Ijssel	994,50									0	NAP	
NL	Eijsden	Maas	1,80									0	NAP	
NL	Sint Pieter	Maas	11,00									0	NAP	
NL	Borgharen Julianakanaal	Maas	15,50									0	NAP	
NL	Borgharen dorp	Maas	16,70									0	NAP	
NL	Elsloo	Maas	29,30									0	NAP	
NL	Grevenbicht	Maas	44,00									0	NAP	
NL	Maaseik	Maas	52,30									0	NAP	
NL	Stevensweert	Maas	61,00									0	NAP	
NL	Heel boven	Maas	67,75									0	NAP	
NL	Linne beneden	Maas	68,50									0	NAP	
NL	Roermond	Maas	81,00									0	NAP	
NL	Heel beneden	Maas	85,30									0	NAP	
NL	Neer	Maas	90,00									0	NAP	
NL	Belfeld beneden	Maas	100,20									0	NAP	
NL	Venlo	Maas	107,75									0	NAP	
NL	Well	Maas	132,15									0	NAP	

NL	Sambeek boven	Maas	146,30								0	NAP	
NL	Sambeek beneden	Maas	147,00								0	NAP	
NL	Mook	Maas	165,00								0	NAP	
NL	Grave beneden	Maas	175,70								0	NAP	
NL	Megen	Maas	191,50								0	NAP	
NL	Lith boven	Maas	200,85								0	NAP	
NL	Lith dorp	Maas	202,40								0	NAP	
NL	Heesbeen	Maas	230,60								0	NAP	
NL	Keizersveer	Maas	247,50								0	NAP	
BG	Novo Selo	Danube	833,75			LDC	120			HDC	784	2700	Black sea - Varna
BG	Vidin	Danube	790,30			LDC	163			HDC	802	2481	Black sea - Varna
BG	Artchar	Danube	770,60			LDC	182			HDC	778	2400	Black sea - Varna
BG	Lom	Danube	743,00			LDC	174			HDC	795	2289	Black sea - Varna
BG	Dolni Tzibar	Danube	717,60			LDC	130			HDC	740	2250	Black sea - Varna
BG	Kozlodui	Danube	703,50			LDC	134			HDC	742	2200	Black sea - Varna
BG	Oriahovo	Danube	678,00			LDC	46			HDC	658	2158	Black sea - Varna
BG	Gorni Vadin	Danube	653,00			LDC	123			HDC	722	2000	Black sea - Varna
BG	Somovit	Danube	607,70			LDC	136			HDC	768	1786	Black sea - Varna
BG	Nikopol	Danube	597,50			LDC	165			HDC	716	1735	Black sea - Varna
BG	Svistov	Danube	554,30			LDC	88			HDC	782	1510	Black sea - Varna
BG	Rousse	Danube	495,60			LDC	107			HDC	783	1199	Black sea - Varna
BG	Toutrakan	Danube	433,00			LDC	128			HDC	827	889	Black sea - Varna
BG	Silistra	Danube	375,50			LDC	86			HDC	717	650	Black sea - Varna
RO	Baziaş	Danube	1075,00									64000	Black sea - Sulina

RO	Moldova Veche	Danube	1048,00	1075,00	1033,00							63000	Black sea - Sulina	
RO	Drencova	Danube	1016,00	1033,00	898,00							60000	Black sea - Sulina	
RO	Turnu Severin	Danube	931,00	1075,00	845,00							34000	Black sea - Sulina	
RO	Orşova	Danube	954,00	998,00	944,00							44000	Black sea - Sulina	
RO	Gruia	Danube	951,00	890,00	831,00	LDC	34			HDC	748	29000	Black sea - Sulina	
RO	Cetate	Danube	811,00			LDC	60			HDC	729	27000	Black sea - Sulina	
RO	Calafat	Danube	795,00	831,00	730,00	LDC	50			HDC	702	26000	Black sea - Sulina	
RO	Bechet	Danube	679,00	720,00	655,00	LDC	42			HDC	683	22000	Black sea - Sulina	
RO	Bistreţ	Danube	725,00			LDC	49			HDC	687	23000	Black sea - Sulina	
RO	Corabia	Danube	630,00	655,00	617,00	LDC	23			HDC	680	20000	Black sea - Sulina	
RO	Turnu Măgurele	Danube	597,00	617,00	573,00	LDC	34			HDC	614	19000	Black sea - Sulina	
RO	Zimnicea	Danube	553,00	573,00	530,00	LDC	57			HDC	724	16000	Black sea - Sulina	
RO	Giurgiu	Danube	493,00	530,00	455,00	LDC	44			HDC	707	13000	Black sea - Sulina	
RO	Oltenița	Danube	430,00	455,00	400,00	LDC	9			HDC	714	10000	Black sea - Sulina	
RO	Călăraşi	Danube	370,00	400,00	350,00	LDC	-9			HDC	639	7000	Black sea - Sulina	
RO	Cernavodă	Danube	300,00	324,00	285,00	LDC	-35			HDC	604	4000	Black sea - Sulina	
RO	Hârşova	Danube	253,00	285,00	237,00	LDC	19			HDC	644	3000	Black sea - Sulina	
RO	Brăila	Danube	170,00	337,00	160,00	LDC	46			HDC	578		Black sea - Sulina	
RO	Galaţi	Danube	150,00	300,00	134,00	LDC	52			HDC	553	800	Black sea - Sulina	
RO	Isaccea	Danube	103,00	118,00	96,00	LDC	42			HDC	458	700	Black sea - Sulina	

RO	Tulcea	Danube	71,00	96,00	79,00	LDC	28			HDC	388	600	Black sea - Sulina	
CS	Přelouč	Labe	114,30	102,50	31,80					HSW	300			
CS	Brandýs n.L.	Labe	27,80	31,80	0,00					HSW	350	16438	Baltic sea	
CS	Mělník	Labe	0,45	0,00	49,10					HSW	450	15314	Baltic sea	
CS	Ústí n. L.-Střekov	Labe	70,55	49,10	69,20					HSW	520	13127	Baltic sea	
CS	Ústí n. L.-Střekov	Labe	70,55	69,20	109,27					HSW	540	13127	Baltic sea	
CS	Praha	Vltava	60,08	0,00	46,00					II	450 m3/sec	18761	Baltic sea	
CS	Praha	Vltava	60,08	46,00	54,30					II	600 m3 sec	18761	Baltic sea	
CS	Praha	Vltava	60,08	54,30	61,70					II	800 m3/sec	18761	Baltic sea	
CS	Praha	Vltava	60,08	61,70	91,60					II	600 m3/sec (OTHER LCK Modřany 450 m3/sec	18761	Baltic sea	

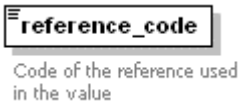
Schema **XML_v2_6.xsd**

schema location: **C:\dat\t\RIS standards\Notices\Edition 1x\XML_v2_6.xsd**
attribute form default: **unqualified**
element form default: **qualified**
targetNamespace: **www.RISexpertgroups.org**

Elements	Complex types	Simple types
reference_code	**communication**	**date**
RIS_Message	**coordinate**	**time**
	fairway_section	
	ftm	
	geo_object	
	ice_condition	
	icem	
	Identification	
	limitation	
	limitation_period	
	measure	
	object	
	target_group	
	validity_period	
	wrm	

element **reference_code**

diagram



namespace www.RISexpertgroups.org

type restriction of **xs:string**

properties content simple

used by complexTypes **limitation** **wrm**

facets

maxLength	4
enumeration	NAP
enumeration	KP
enumeration	FZP
enumeration	ADR
enumeration	TAW
enumeration	PUL
enumeration	NGM
enumeration	ETRS
enumeration	POT
enumeration	LDC
enumeration	HDC
enumeration	ZPG
enumeration	GLW
enumeration	HSW
enumeration	LNW
enumeration	HNW
enumeration	IGN
enumeration	WGS
enumeration	RN

annotation documentation
Code of the reference used in the value

source

```
<xs:element name="reference_code">
  <xs:annotation>
    <xs:documentation>Code of the reference used in the value</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
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      <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: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:restriction>
     </xs:simpleType>
    </xs:element>
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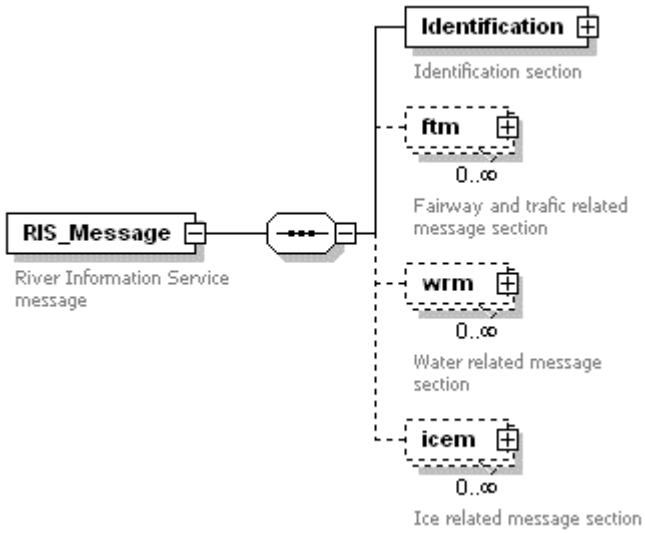
element **RIS_Message**

diagram



namespace www.RISexpertgroups.org

properties content complex

children **Identification ftm wrm icem**

annotation documentation
River Information Service message

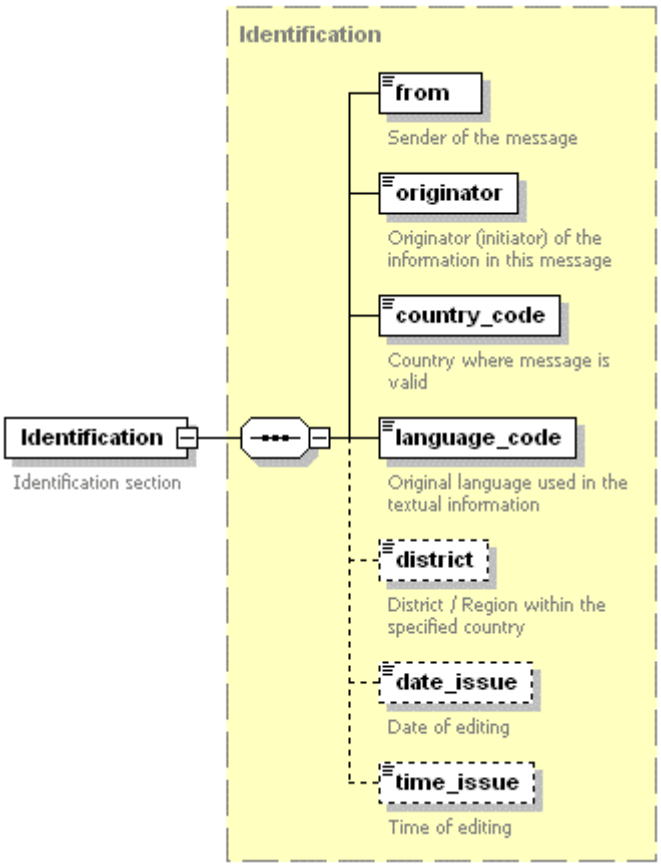
source

```
<xs:element name="RIS_Message">
 <xs:annotation>
  <xs:documentation>River Information Service message</xs:documentation>
 </xs:annotation>
 <xs:complexType>
  <xs:sequence>
   <xs:element name="Identification" type="Identification">
    <xs:annotation>
     <xs:documentation>Identification section</xs:documentation>
    </xs:annotation>
   </xs:element>
   <xs:element name="ftm" type="ftm" minOccurs="0" maxOccurs="unbounded">
    <xs:annotation>
     <xs:documentation>Fairway and trafic related message section</xs:documentation>
    </xs:annotation>
   </xs:element>
   <xs:element name="wrm" type="wrm" minOccurs="0" maxOccurs="unbounded">
    <xs:annotation>
```

```
      <xs:documentation>Water related message section</xs:documentation>
    </xs:annotation>
   </xs:element>
   <xs:element name="icem" type="icem" minOccurs="0" maxOccurs="unbounded">
    <xs:annotation>
     <xs:documentation>Ice related message section</xs:documentation>
    </xs:annotation>
   </xs:element>
  </xs:sequence>
 </xs:complexType>
</xs:element>
```

element **RIS_Message/Identification**

diagram



namespace www.RISexpertgroups.org

type **Identification**

properties
- isRef 0
- content complex

children **from originator country_code language_code district date_issue time_issue**

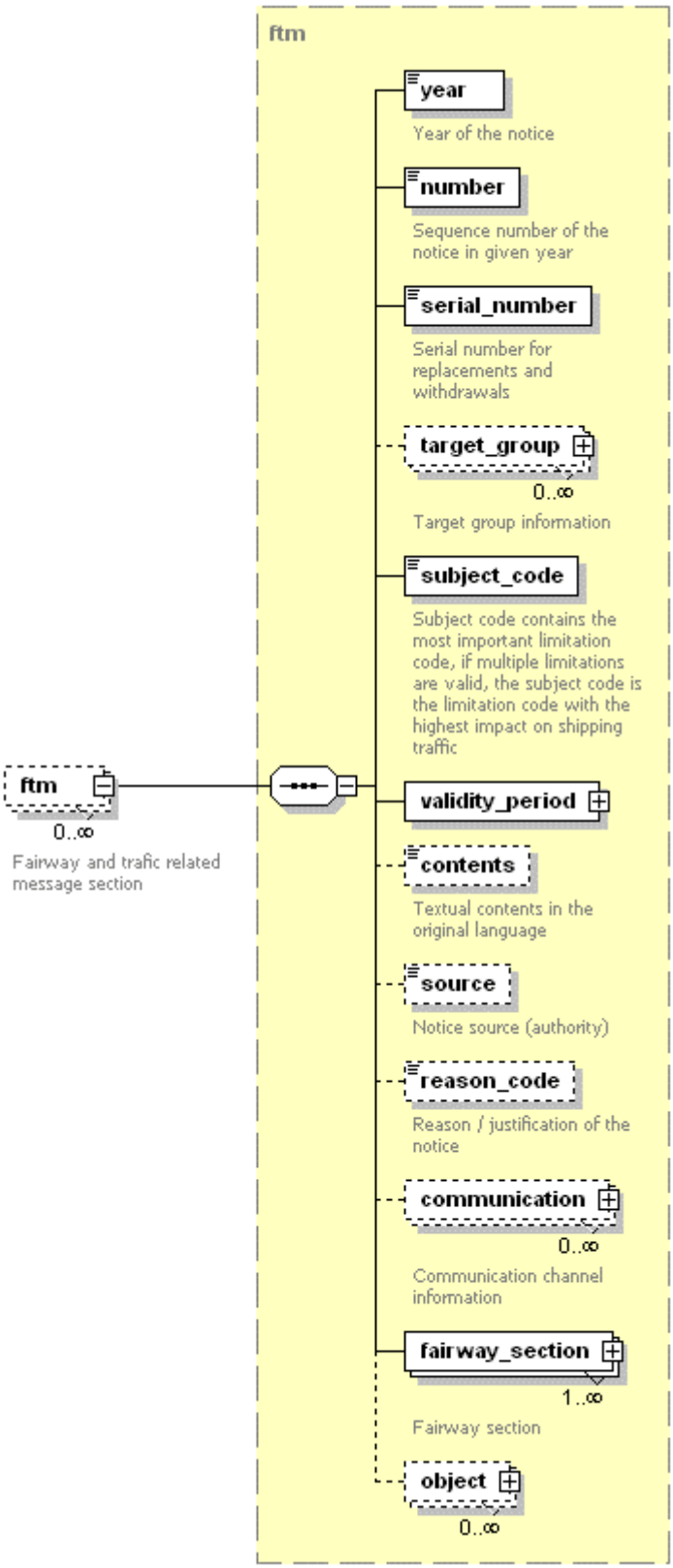
annotation
documentation
Identification section

source

```
<xs:element name="Identification" type="Identification">
 <xs:annotation>
  <xs:documentation>Identification section</xs:documentation>
 </xs:annotation>
</xs:element>
```

element **RIS_Message/ftm**

diagram



namespace www.RISexpertgroups.org

type **ftm**

properties

isRef	0
minOcc	0
maxOcc	unbounded

content complex

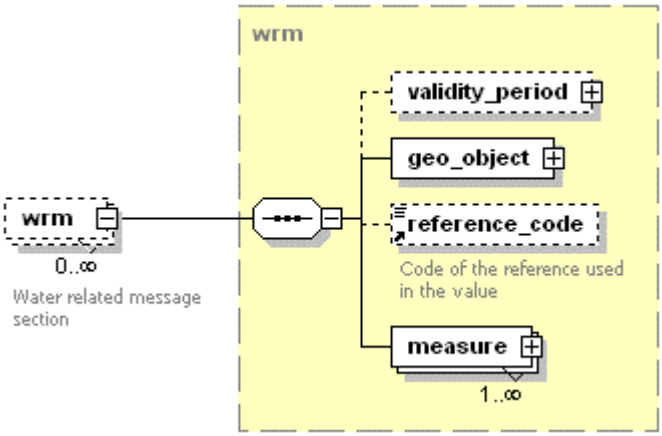
children **year number serial_number target_group subject_code validity_period contents source reason_code communication fairway_section object**

annotation documentation
Fairway and trafic related message section

source
```
<xs:element name="ftm" type="ftm" minOccurs="0" maxOccurs="unbounded">
 <xs:annotation>
  <xs:documentation>Fairway and trafic related message section</xs:documentation>
 </xs:annotation>
</xs:element>
```

element **RIS_Message/wrm**

diagram



namespace www.RISexpertgroups.org

type **wrm**

properties
isRef 0
minOcc 0
maxOcc unbounded
content complex

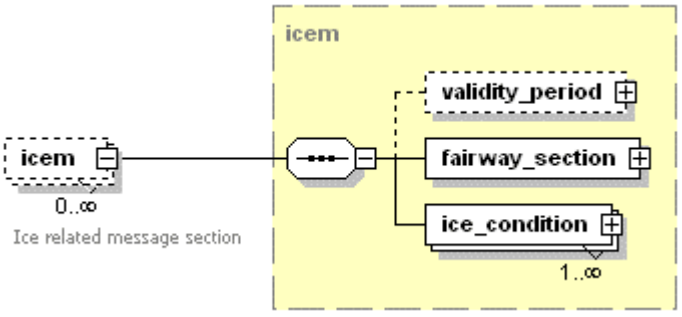
children **validity_period geo_object reference_code measure**

annotation documentation
Water related message section

source
```
<xs:element name="wrm" type="wrm" minOccurs="0" maxOccurs="unbounded">
 <xs:annotation>
  <xs:documentation>Water related message section</xs:documentation>
 </xs:annotation>
</xs:element>
```

element **RIS_Message/icem**

diagram



namespace www.RISexpertgroups.org

type **icem**

properties
isRef 0
minOcc 0
maxOcc unbounded
content complex

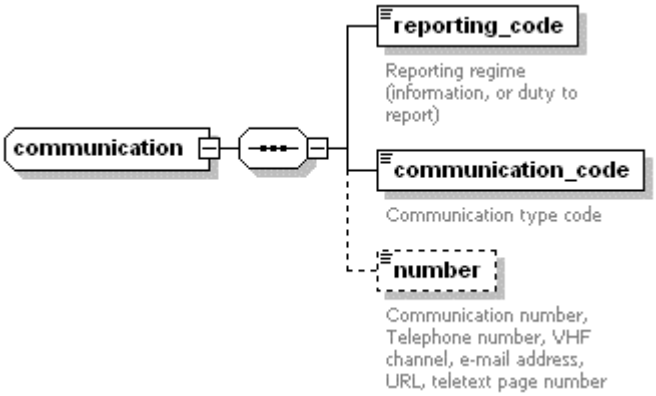
children **validity_period** **fairway_section** **ice_condition**

annotation documentation
Ice related message section

source
```
<xs:element name="icem" type="icem" minOccurs="0" maxOccurs="unbounded">
 <xs:annotation>
  <xs:documentation>Ice related message section</xs:documentation>
 </xs:annotation>
</xs:element>
```

complexType **communication**

diagram



namespace www.RISexpertgroups.org

children **reporting_code** **communication_code** **number**

used by element **ftm/communication**

source
```
<xs:complexType name="communication">
 <xs:sequence>
  <xs:element name="reporting_code">
   <xs:annotation>
    <xs:documentation>Reporting regime (information, or duty to report)</xs:documentation>
   </xs:annotation>
   <xs:simpleType>
    <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:element>
  <xs:element name="communication_code">
   <xs:annotation>
    <xs:documentation>Communication type code</xs:documentation>
   </xs:annotation>
   <xs:simpleType>
    <xs:restriction base="xs:string">
     <xs:maxLength value="3"/>
     <xs:enumeration value="TEL"/>
     <xs:enumeration value="VHF"/>
     <xs:enumeration value="EM"/>
     <xs:enumeration value="INT"/>
     <xs:enumeration value="TXT"/>
     <xs:enumeration value="FAX"/>
     <xs:enumeration value="LIG"/>
     <xs:enumeration value="FLA"/>
     <xs:enumeration value="SOU"/>
    </xs:restriction>
   </xs:simpleType>
  </xs:element>
  <xs:element name="number" minOccurs="0">
   <xs:annotation>
    <xs:documentation>Communication number, Telephone number, VHF channel, e-mail address, URL, teletext page
number</xs:documentation>
   </xs:annotation>
   <xs:simpleType>
    <xs:restriction base="xs:string">
```

```
        <xs:maxLength value="128"/>
       </xs:restriction>
      </xs:simpleType>
     </xs:element>
    </xs:sequence>
   </xs:complexType>
```

element **communication/reporting_code**

diagram

namespace www.RISexpertgroups.org

type restriction of **xs:string**

properties
- isRef 0
- content simple

facets
- maxLength 3
- enumeration INF
- enumeration ADD
- enumeration REG

annotation
documentation
Reporting regime (information, or duty to report)

source

```
<xs:element name="reporting_code">
 <xs:annotation>
  <xs:documentation>Reporting regime (information, or duty to report)</xs:documentation>
 </xs:annotation>
 <xs:simpleType>
  <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:element>
```

element **communication/communication_code**

diagram

namespace www.RISexpertgroups.org

type restriction of **xs:string**

properties
- isRef 0
- content simple

facets
- maxLength 3
- enumeration TEL
- enumeration VHF
- enumeration EM
- enumeration INT
- enumeration TXT
- enumeration FAX
- enumeration LIG
- enumeration FLA
- enumeration SOU

annotation
documentation
Communication type code

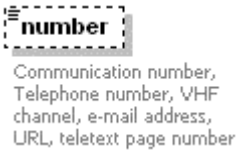
source

```
<xs:element name="communication_code">
 <xs:annotation>
  <xs:documentation>Communication type code</xs:documentation>
 </xs:annotation>
 <xs:simpleType>
  <xs:restriction base="xs:string">
   <xs:maxLength value="3"/>
   <xs:enumeration value="TEL"/>
   <xs:enumeration value="VHF"/>
```

```
      <xs:enumeration value="EM"/>
      <xs:enumeration value="INT"/>
      <xs:enumeration value="TXT"/>
      <xs:enumeration value="FAX"/>
      <xs:enumeration value="LIG"/>
      <xs:enumeration value="FLA"/>
      <xs:enumeration value="SOU"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **communication/number**

diagram



namespace www.RISexpertgroups.org

type restriction of **xs:string**

properties
- isRef 0
- minOcc 0
- maxOcc 1
- content simple

facets
- maxLength 128

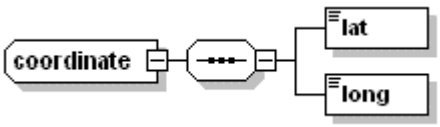
annotation
documentation
Communication number, Telephone number, VHF channel, e-mail address, URL, teletext page number

source

```
<xs:element name="number" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Communication number, Telephone number, VHF channel, e-mail address, URL, teletext page number</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="128"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

complexType **coordinate**

diagram



namespace www.RISexpertgroups.org

children **lat** **long**

used by
- element **geo_object/coordinate**

source

```
<xs:complexType name="coordinate">
  <xs:sequence>
    <xs:element name="lat">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:minLength value="12"/>
          <xs:maxLength value="13"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="long">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:minLength value="12"/>
          <xs:maxLength value="13"/>
        </xs:restriction>
```

```
    </xs:simpleType>
   </xs:element>
  </xs:sequence>
 </xs:complexType>
```

element **coordinate/lat**

diagram

namespace www.RISexpertgroups.org

type restriction of **xs:string**

properties isRef 0
content simple

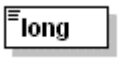
facets minLength 12
maxLength 13

source

```
<xs:element name="lat">
 <xs:simpleType>
  <xs:restriction base="xs:string">
   <xs:minLength value="12"/>
   <xs:maxLength value="13"/>
  </xs:restriction>
 </xs:simpleType>
</xs:element>
```

element **coordinate/long**

diagram



namespace www.RISexpertgroups.org

type restriction of **xs:string**

properties isRef 0
content simple

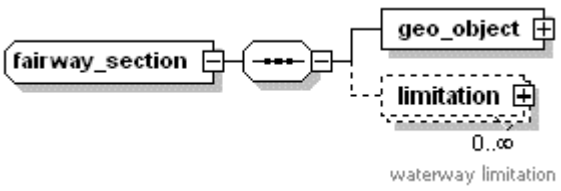
facets minLength 12
maxLength 13

source

```
<xs:element name="long">
 <xs:simpleType>
  <xs:restriction base="xs:string">
   <xs:minLength value="12"/>
   <xs:maxLength value="13"/>
  </xs:restriction>
 </xs:simpleType>
</xs:element>
```

complexType **fairway_section**

diagram



namespace www.RISexpertgroups.org

children **geo_object limitation**

used by elements **ftm/fairway_section icem/fairway_section**

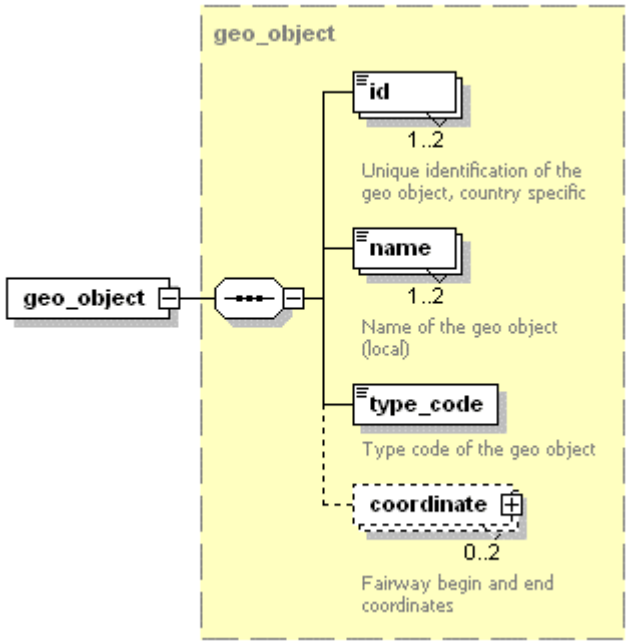
source

```
<xs:complexType name="fairway_section">
 <xs:sequence>
  <xs:element name="geo_object" type="geo_object"/>
  <xs:element name="limitation" type="limitation" minOccurs="0" maxOccurs="unbounded">
   <xs:annotation>
    <xs:documentation>waterway limitation</xs:documentation>
   </xs:annotation>
```

```
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

element **fairway_section/geo_object**

diagram



namespace www.RISexpertgroups.org

type **geo_object**

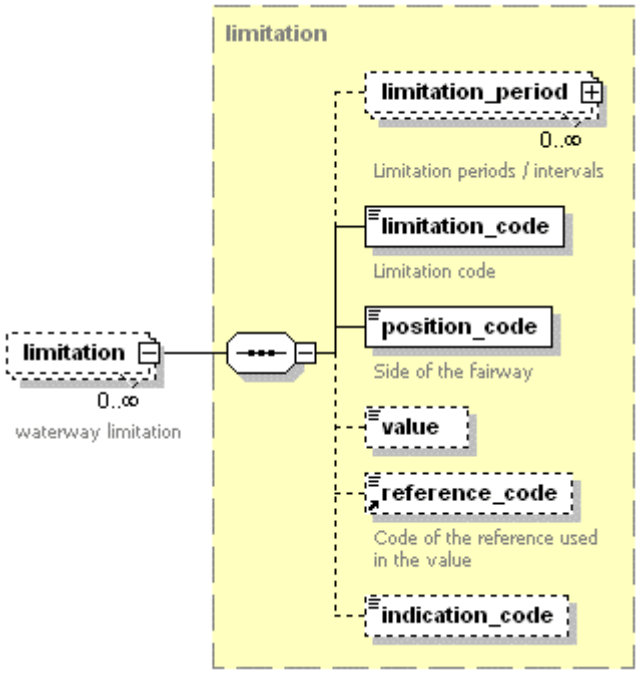
properties isRef 0
content complex

children **id** **name** **type_code** **coordinate**

source `<xs:element name="geo_object" type="geo_object"/>`

element **fairway_section/limitation**

diagram



namespace www.RISexpertgroups.org

type **limitation**

properties
- isRef 0
- minOcc 0
- maxOcc unbounded
- content complex

children **limitation_period** **limitation_code** **position_code** **value** **reference_code** **indication_code**

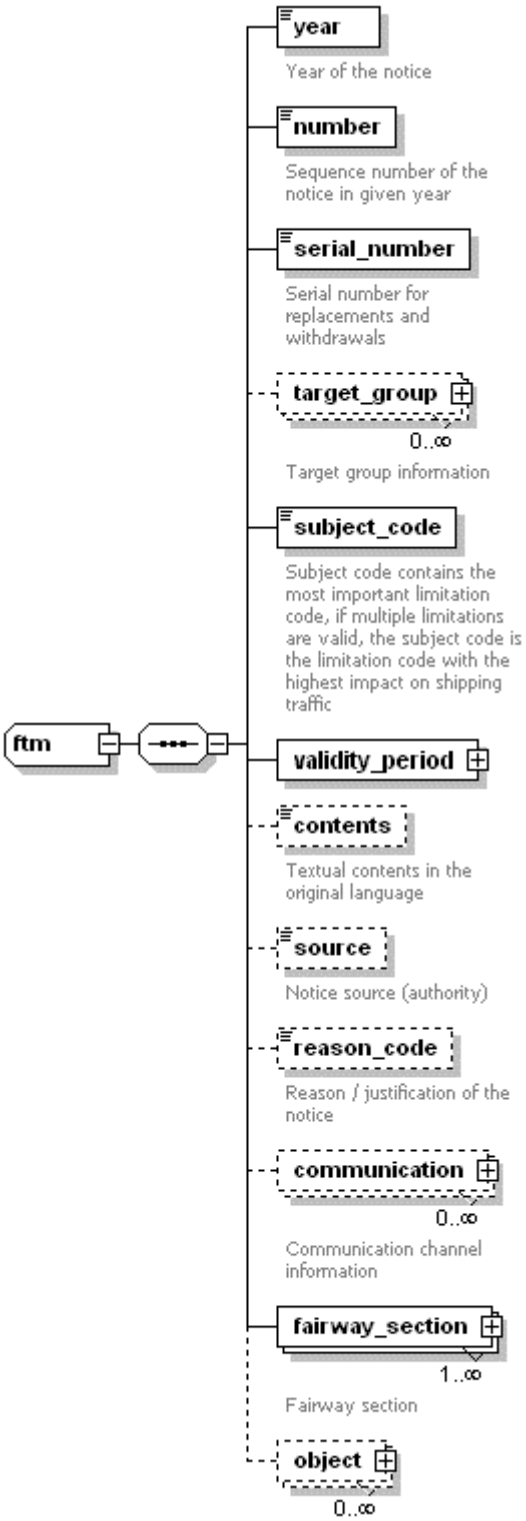
annotation
documentation
waterway limitation

source

```
<xs:element name="limitation" type="limitation" minOccurs="0" maxOccurs="unbounded">
  <xs:annotation>
    <xs:documentation>waterway limitation</xs:documentation>
  </xs:annotation>
</xs:element>
```

complexType **ftm**

diagram



namespace www.RISexpertgroups.org

children **year** **number** **serial_number** **target_group** **subject_code** **validity_period** **contents** **source** **reason_code** **communication** **fairway_section** **object**

used by element **RIS_Message/ftm**

source

```
<xs:complexType name="ftm">
  <xs:sequence>
    <xs:element name="year">
```

```
      <xs:annotation>
        <xs:documentation>Year of the notice</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:gYear">
          <xs:minInclusive value="2000"/>
          <xs:maxInclusive value="9999"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="number">
      <xs:annotation>
        <xs:documentation>Sequence number of the notice in given year</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:integer">
          <xs:maxInclusive value="9999"/>
          <xs:minInclusive value="0000"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="serial_number">
      <xs:annotation>
        <xs:documentation>Serial number for replacements and withdrawals</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:integer">
          <xs:maxInclusive value="99"/>
          <xs:minInclusive value="00"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="target_group" type="target_group" minOccurs="0" maxOccurs="unbounded">
      <xs:annotation>
        <xs:documentation>Target group information</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="subject_code">
      <xs:annotation>
        <xs:documentation>Subject code contains the most important limitation code, if multiple limitations are valid, the
subject code is the limitation code with the highest impact on shipping traffic      </xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="6"/>
          <xs:minLength value="3"/>
          <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="ANNOUN"/>
```

```
      <xs:enumeration value="LIMITA"/>
      <xs:enumeration value="CANCEL"/>
      <xs:enumeration value="MISECH"/>
      <xs:enumeration value="ECDISU"/>
      <xs:enumeration value="NEWOBJ"/>
      <xs:enumeration value="WARNIN"/>
      <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:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="validity_period" type="validity_period"/>
<xs:element name="contents" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Textual contents in the original 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 (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" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Reason / justification of the notice</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="6"/>
      <xs:minLength value="3"/>
      <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="HIWAII"/>
      <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:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="communication" type="communication" minOccurs="0" maxOccurs="unbounded">
  <xs:annotation>
    <xs:documentation>Communication channel information</xs:documentation>
```

```
    </xs:annotation>
   </xs:element>
   <xs:element name="fairway_section" type="fairway_section" maxOccurs="unbounded">
    <xs:annotation>
     <xs:documentation>Fairway section</xs:documentation>
    </xs:annotation>
   </xs:element>
   <xs:element name="object" type="object" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
 </xs:complexType>
```

element **ftm/year**

diagram

namespace www.RISexpertgroups.org

type restriction of **xs:gYear**

properties
- isRef 0
- content simple

facets
- minInclusive 2000
- maxInclusive 9999

annotation
documentation
Year of the notice

source

```
<xs:element name="year">
 <xs:annotation>
  <xs:documentation>Year of the notice</xs:documentation>
 </xs:annotation>
 <xs:simpleType>
  <xs:restriction base="xs:gYear">
   <xs:minInclusive value="2000"/>
   <xs:maxInclusive value="9999"/>
  </xs:restriction>
 </xs:simpleType>
</xs:element>
```

element **ftm/number**

diagram

namespace www.RISexpertgroups.org

type restriction of **xs:integer**

properties
- isRef 0
- content simple

facets
- minInclusive 0000
- maxInclusive 9999

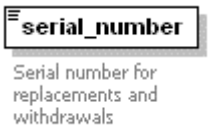
annotation
documentation
Sequence number of the notice in given year

source

```
<xs:element name="number">
 <xs:annotation>
  <xs:documentation>Sequence number of the notice in given year</xs:documentation>
 </xs:annotation>
 <xs:simpleType>
  <xs:restriction base="xs:integer">
   <xs:maxInclusive value="9999"/>
   <xs:minInclusive value="0000"/>
  </xs:restriction>
 </xs:simpleType>
</xs:element>
```

element **ftm/serial_number**

diagram



namespace www.RISexpertgroups.org

type restriction of **xs:integer**

properties
isRef 0
content simple

facets
minInclusive 00
maxInclusive 99

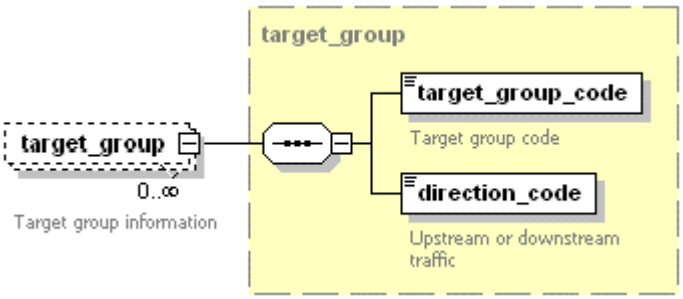
annotation
documentation
Serial number for replacements and withdrawals

source

```
<xs:element name="serial_number">
 <xs:annotation>
  <xs:documentation>Serial number for replacements and withdrawals</xs:documentation>
 </xs:annotation>
 <xs:simpleType>
  <xs:restriction base="xs:integer">
   <xs:maxInclusive value="99"/>
   <xs:minInclusive value="00"/>
  </xs:restriction>
 </xs:simpleType>
</xs:element>
```

element **ftm/target_group**

diagram



namespace www.RISexpertgroups.org

type **target_group**

properties
isRef 0
minOcc 0
maxOcc unbounded
content complex

children **target_group_code** **direction_code**

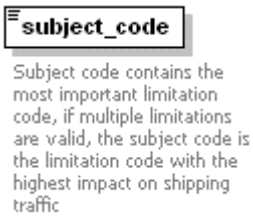
annotation
documentation
Target group information

source

```
<xs:element name="target_group" type="target_group" minOccurs="0" maxOccurs="unbounded">
 <xs:annotation>
  <xs:documentation>Target group information</xs:documentation>
 </xs:annotation>
</xs:element>
```

element **ftm/subject_code**

diagram



namespace www.RISexpertgroups.org

type restriction of **xs:string**

properties
- isRef 0
- content simple

facets
- minLength 3
- maxLength 6
- enumeration OBSTRU
- enumeration PAROBS
- enumeration DELAY
- enumeration VESLEN
- enumeration VESHEI
- enumeration VESBRE
- enumeration VESDRA
- enumeration AVALEN
- enumeration CLEHEI
- enumeration CLEWID
- enumeration AVADEP
- enumeration NOMOOR
- enumeration SERVIC
- enumeration NOSERV
- enumeration SPEED
- enumeration WAVWAS
- enumeration PASSIN
- enumeration ANCHOR
- enumeration OVRTAK
- enumeration MINPWR
- enumeration DREDGE
- enumeration WORK
- enumeration EVENT
- enumeration CHGMAR
- enumeration CHGSER
- enumeration SPCMAR
- enumeration EXERC
- enumeration LEADEP
- enumeration LEVDEC
- enumeration LEVRIS
- enumeration ANNOUN
- enumeration LIMITA
- enumeration CANCEL
- enumeration MISECH
- enumeration ECDISU
- enumeration NEWOBJ
- enumeration WARNIN
- enumeration CHWWY
- enumeration CONWWY
- enumeration DIVER
- enumeration SPECTR
- enumeration LOCRUL
- enumeration VHFCOV
- enumeration HIGVOL

annotation
documentation
Subject code contains the most important limitation code, if multiple limitations are valid, the subject code is the limitation code with the highest impact on shipping traffic

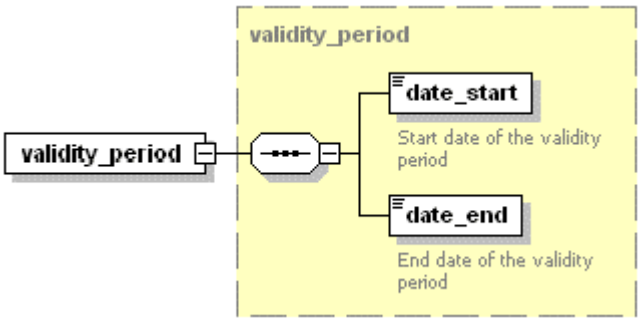
source

```
<xs:element name="subject_code">
 <xs:annotation>
  <xs:documentation>Subject code contains the most important limitation code, if multiple limitations are valid, the subject code is the limitation code with the highest impact on shipping traffic </xs:documentation>
 </xs:annotation>
 <xs:simpleType>
  <xs:restriction base="xs:string">
   <xs:maxLength value="6"/>
```

```
      <xs:minLength value="3"/>
      <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="ANNOUN"/>
      <xs:enumeration value="LIMITA"/>
      <xs:enumeration value="CANCEL"/>
      <xs:enumeration value="MISECH"/>
      <xs:enumeration value="ECDISU"/>
      <xs:enumeration value="NEWOBJ"/>
      <xs:enumeration value="WARNIN"/>
      <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:restriction>
  </xs:simpleType>
</xs:element>
```

element **ftm/validity_period**

diagram



namespace www.RISexpertgroups.org

type **validity_period**

properties
isRef 0
content complex

children **date_start** **date_end**

source
```
<xs:element name="validity_period" type="validity_period"/>
```

element **ftm/contents**

diagram

namespace www.RISexpertgroups.org

type restriction of **xs:string**

properties
isRef 0
minOcc 0
maxOcc 1
content simple

facets
maxLength 500

annotation
documentation
Textual contents in the original language

source

```
<xs:element name="contents" minOccurs="0">
 <xs:annotation>
  <xs:documentation>Textual contents in the original language</xs:documentation>
 </xs:annotation>
 <xs:simpleType>
  <xs:restriction base="xs:string">
   <xs:maxLength value="500"/>
  </xs:restriction>
 </xs:simpleType>
</xs:element>
```

element **ftm/source**

diagram

namespace www.RISexpertgroups.org

type restriction of **xs:string**

properties
isRef 0
minOcc 0
maxOcc 1
content simple

facets
maxLength 64

annotation
documentation
Notice source (authority)

source

```
<xs:element name="source" minOccurs="0">
 <xs:annotation>
  <xs:documentation>Notice source (authority)</xs:documentation>
 </xs:annotation>
 <xs:simpleType>
  <xs:restriction base="xs:string">
   <xs:maxLength value="64"/>
  </xs:restriction>
 </xs:simpleType>
</xs:element>
```

element **ftm/reason_code**

diagram

namespace www.RISexpertgroups.org

type restriction of **xs:string**

properties
isRef 0
minOcc 0

facets
- maxOcc 1
- content simple
- minLength 3
- maxLength 6
- enumeration EVENT
- enumeration WORK
- enumeration DREDGE
- enumeration EXERC
- enumeration HIGWAT
- enumeration HIWAI
- enumeration HIWAII
- enumeration LOWWAT
- enumeration SHALLO
- enumeration CALAMI
- enumeration LAUNCH
- enumeration DECLEV
- enumeration FLOMEA
- enumeration BLDWRK
- enumeration REPAIR
- enumeration INSPEC
- enumeration FIRWRK
- enumeration LIMITA
- enumeration CHGFWY
- enumeration CONSTR
- enumeration DIVING
- enumeration SPECTR
- enumeration EXT
- enumeration MIN
- enumeration SOUND
- enumeration OTHER

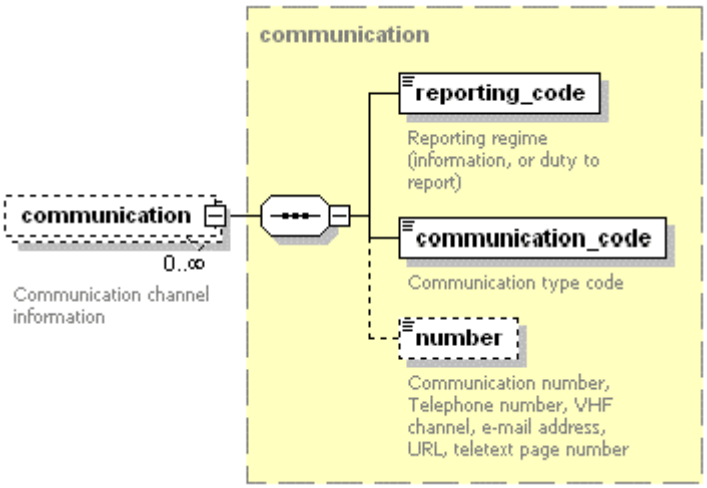
annotation
documentation
Reason / justification of the notice

source

```
<xs:element name="reason_code" minOccurs="0">
 <xs:annotation>
  <xs:documentation>Reason / justification of the notice</xs:documentation>
 </xs:annotation>
 <xs:simpleType>
  <xs:restriction base="xs:string">
   <xs:maxLength value="6"/>
   <xs:minLength value="3"/>
   <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="HIWAII"/>
   <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:restriction>
 </xs:simpleType>
</xs:element>
```

element **ftm/communication**

diagram



namespace www.RISexpertgroups.org

type **communication**

properties
isRef 0
minOcc 0
maxOcc unbounded
content complex

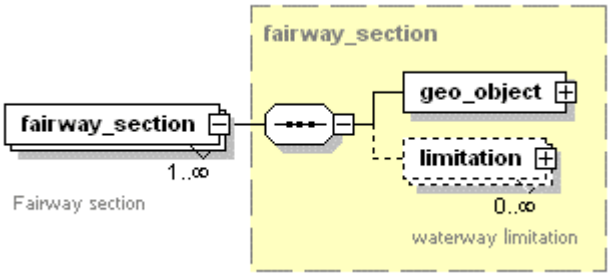
children **reporting_code communication_code number**

annotation
documentation
Communication channel information

source
```
<xs:element name="communication" type="communication" minOccurs="0" maxOccurs="unbounded">
 <xs:annotation>
  <xs:documentation>Communication channel information</xs:documentation>
 </xs:annotation>
</xs:element>
```

element **ftm/fairway_section**

diagram



namespace www.RISexpertgroups.org

type **fairway_section**

properties
isRef 0
minOcc 1
maxOcc unbounded
content complex

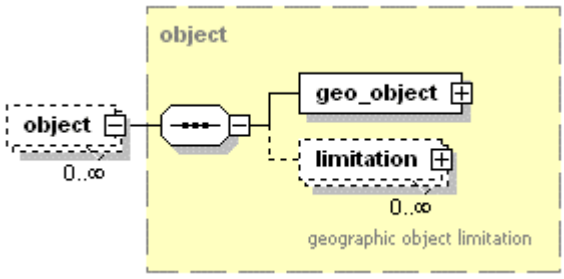
children **geo_object limitation**

annotation
documentation
Fairway section

source
```
<xs:element name="fairway_section" type="fairway_section" maxOccurs="unbounded">
 <xs:annotation>
  <xs:documentation>Fairway section</xs:documentation>
 </xs:annotation>
</xs:element>
```

element **ftm/object**

diagram



namespace www.RISexpertgroups.org

type **object**

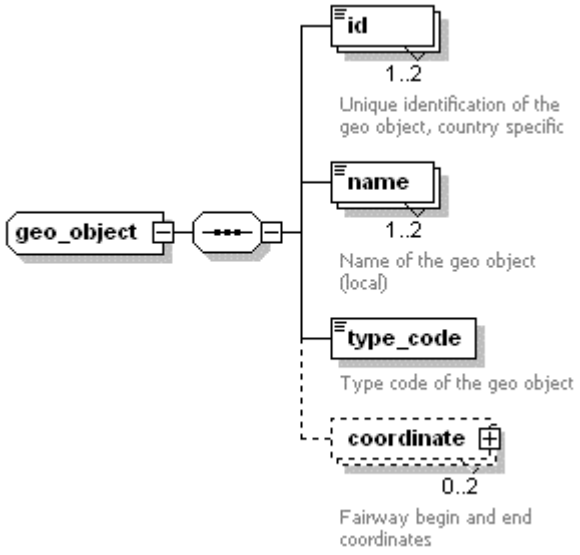
properties
isRef 0
minOcc 0
maxOcc unbounded
content complex

children **geo_object** **limitation**

source
```
<xs:element name="object" type="object" minOccurs="0" maxOccurs="unbounded"/>
```

complexType **geo_object**

diagram



namespace www.RISexpertgroups.org

children **id** **name** **type_code** **coordinate**

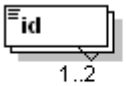
used by
elements **wrm/geo_object** **fairway_section/geo_object** **object/geo_object**

source
```
<xs:complexType name="geo_object">
 <xs:sequence>
  <xs:element name="id" maxOccurs="2">
   <xs:annotation>
    <xs:documentation>Unique identification of the geo object, country specific</xs:documentation>
   </xs:annotation>
   <xs:simpleType>
    <xs:restriction base="xs:string">
     <xs:maxLength value="64"/>
    </xs:restriction>
   </xs:simpleType>
  </xs:element>
  <xs:element name="name" maxOccurs="2">
   <xs:annotation>
    <xs:documentation>Name of the geo object (local)</xs:documentation>
   </xs:annotation>
```

```
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="64"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="type_code" default="FWY">
      <xs:annotation>
        <xs:documentation>Type code of the geo object</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <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:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="coordinate" type="coordinate" minOccurs="0" maxOccurs="2">
      <xs:annotation>
        <xs:documentation>Fairway begin and end coordinates</xs:documentation>
      </xs:annotation>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

element **geo_object/id**

diagram



Unique identification of the geo object, country specific

namespace	www.RISexpertgroups.org
type	restriction of **xs:string**
properties	isRef 0 minOcc 1 maxOcc 2 content simple

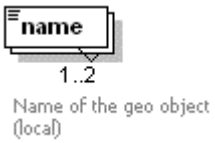
facets maxLength 64

annotation documentation
Unique identification of the geo object, country specific

source
```
<xs:element name="id" maxOccurs="2">
 <xs:annotation>
  <xs:documentation>Unique identification of the geo object, country specific</xs:documentation>
 </xs:annotation>
 <xs:simpleType>
  <xs:restriction base="xs:string">
   <xs:maxLength value="64"/>
  </xs:restriction>
 </xs:simpleType>
</xs:element>
```

element **geo_object/name**

diagram



namespace www.RISexpertgroups.org

type restriction of **xs:string**

properties isRef 0
minOcc 1
maxOcc 2
content simple

facets maxLength 64

annotation documentation
Name of the geo object (local)

source
```
<xs:element name="name" maxOccurs="2">
 <xs:annotation>
  <xs:documentation>Name of the geo object (local)</xs:documentation>
 </xs:annotation>
 <xs:simpleType>
  <xs:restriction base="xs:string">
   <xs:maxLength value="64"/>
  </xs:restriction>
 </xs:simpleType>
</xs:element>
```

element **geo_object/type_code**

diagram

namespace www.RISexpertgroups.org

type restriction of **xs:string**

properties isRef 0
content simple
default FWY

facets maxLength 3
enumeration RIV
enumeration CAN
enumeration LAK
enumeration FWY
enumeration LCK
enumeration BRI
enumeration RMP
enumeration BAR
enumeration BNK
enumeration GAU
enumeration BUO
enumeration BEA
enumeration ANC

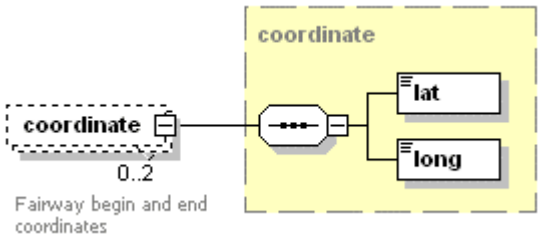
enumeration BER
enumeration MOO
enumeration TER
enumeration HAR
enumeration FDO
enumeration CAB
enumeration FER
enumeration PIP
enumeration PPO
enumeration HFA
enumeration HMO
enumeration SHY
enumeration REF
enumeration MAR
enumeration LIG
enumeration SIG
enumeration TUR
enumeration CBR
enumeration TUN
enumeration BCO
enumeration REP
enumeration FLO

annotation documentation
Type code of the geo object

source
```
<xs:element name="type_code" default="FWY">
 <xs:annotation>
  <xs:documentation>Type code of the geo object</xs:documentation>
 </xs:annotation>
 <xs:simpleType>
  <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:restriction>
 </xs:simpleType>
</xs:element>
```

element **geo_object/coordinate**

diagram



namespace www.RISexpertgroups.org

type **coordinate**

properties
isRef 0
minOcc 0
maxOcc 2
content complex

children **lat** **long**

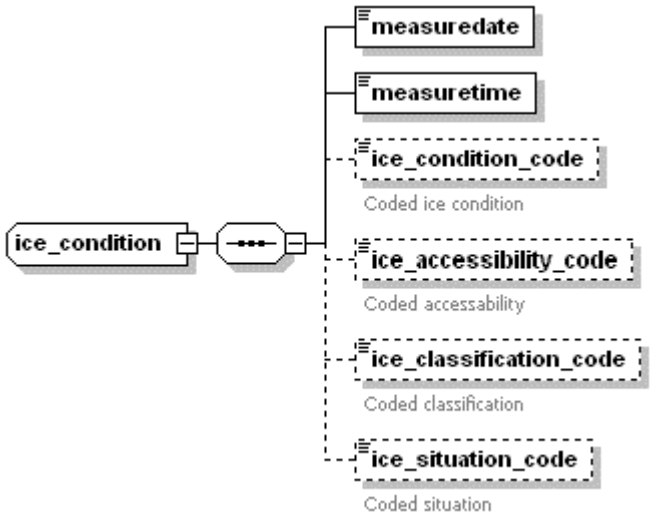
annotation
documentation
Fairway begin and end coordinates

source

```
<xs:element name="coordinate" type="coordinate" minOccurs="0" maxOccurs="2">
 <xs:annotation>
  <xs:documentation>Fairway begin and end coordinates</xs:documentation>
 </xs:annotation>
</xs:element>
```

complexType **ice_condition**

diagram



namespace www.RISexpertgroups.org

children **measuredate** **measuretime** **ice_condition_code** **ice_accessibility_code** **ice_classification_code** **ice_situation_code**

used by
element **icem/ice_condition**

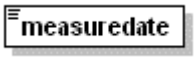
source

```
<xs:complexType name="ice_condition">
 <xs:sequence>
  <xs:element name="measuredate">
   <xs:simpleType>
    <xs:restriction base="date">
     <xs:maxInclusive value="30001231"/>
    </xs:restriction>
   </xs:simpleType>
  </xs:element>
  <xs:element name="measuretime" type="time"/>
  <xs:element name="ice_condition_code" minOccurs="0">
   <xs:annotation>
```

```
      <xs:documentation>Coded ice condition</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
      <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:element>
  <xs:element name="ice_accessibility_code" minOccurs="0">
    <xs:annotation>
      <xs:documentation>Coded accessability</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
      <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"/>
        <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:element>
  <xs:element name="ice_classification_code" minOccurs="0">
    <xs:annotation>
      <xs:documentation>Coded classification</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
      <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:element>
  <xs:element name="ice_situation_code" minOccurs="0">
    <xs:annotation>
      <xs:documentation>Coded situation</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
      <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>
```

```
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

element **ice_condition/measuredate**

diagram 

namespace www.RISexpertgroups.org

type restriction of **date**

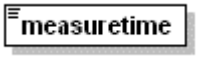
properties
- isRef 0
- content simple

facets
- minInclusive 20000101
- maxInclusive 30001231

source

```
<xs:element name="measuredate">
  <xs:simpleType>
    <xs:restriction base="date">
      <xs:maxInclusive value="30001231"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ice_condition/measuretime**

diagram 

namespace www.RISexpertgroups.org

type **time**

properties
- isRef 0
- content simple

facets
- minInclusive 0000
- maxInclusive 2359

source

```
<xs:element name="measuretime" type="time"/>
```

element **ice_condition/ice_condition_code**

diagram 

namespace www.RISexpertgroups.org

type restriction of **xs:string**

properties
- isRef 0
- minOcc 0
- maxOcc 1
- content simple

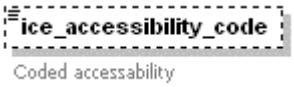
facets
- maxLength 1
- enumeration A
- enumeration B
- enumeration C
- enumeration D
- enumeration E
- enumeration F
- enumeration G
- enumeration H
- enumeration K
- enumeration L
- enumeration M
- enumeration P
- enumeration R
- enumeration S
- enumeration U
- enumeration O
- enumeration V

annotation documentation
Coded ice condition

source
```
<xs:element name="ice_condition_code" minOccurs="0">
 <xs:annotation>
  <xs:documentation>Coded ice condition</xs:documentation>
 </xs:annotation>
 <xs:simpleType>
  <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:element>
```

element **ice_condition/ice_accessibility_code**

diagram



namespace www.RISexpertgroups.org

type restriction of **xs:string**

properties

isRef	0
minOcc	0
maxOcc	1
content	simple

facets

maxLength	1
enumeration	A
enumeration	B
enumeration	F
enumeration	L
enumeration	C
enumeration	D
enumeration	E
enumeration	G
enumeration	H
enumeration	M
enumeration	K
enumeration	T
enumeration	P
enumeration	V
enumeration	X

annotation documentation
Coded accessability

source
```
<xs:element name="ice_accessibility_code" minOccurs="0">
 <xs:annotation>
  <xs:documentation>Coded accessability</xs:documentation>
 </xs:annotation>
 <xs:simpleType>
  <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"/>
   <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:element>
```

element **ice_condition/ice_classification_code**

diagram

namespace www.RISexpertgroups.org

type restriction of **xs:string**

properties
- isRef 0
- minOcc 0
- maxOcc 1
- content simple

facets
- maxLength 1
- enumeration A
- enumeration B
- enumeration C
- enumeration D
- enumeration E

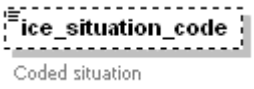
annotation
documentation
Coded classification

source

```
<xs:element name="ice_classification_code" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Coded classification</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <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:element>
```

element **ice_condition/ice_situation_code**

diagram



namespace www.RISexpertgroups.org

type restriction of **xs:string**

properties
- isRef 0
- minOcc 0
- maxOcc 1
- content simple

facets
- maxLength 3
- enumeration NOL
- enumeration LIM
- enumeration NON

annotation
documentation
Coded situation

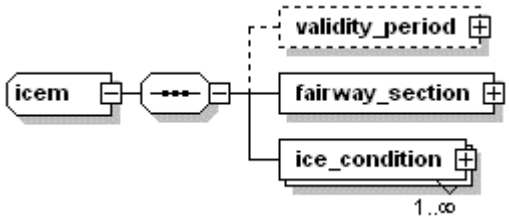
source

```
<xs:element name="ice_situation_code" minOccurs="0">
  <xs:annotation>
```

```
  <xs:documentation>Coded situation</xs:documentation>
 </xs:annotation>
 <xs:simpleType>
  <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>
</xs:element>
```

complexType **icem**

diagram



namespace www.RISexpertgroups.org

children **validity_period** **fairway_section** **ice_condition**

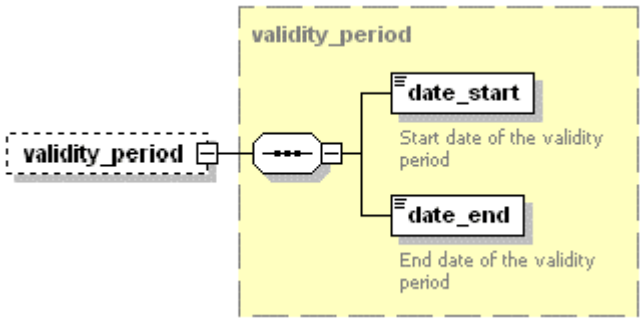
used by element **RIS_Message/icem**

source

```
<xs:complexType name="icem">
 <xs:sequence>
  <xs:element name="validity_period" type="validity_period" minOccurs="0"/>
  <xs:element name="fairway_section" type="fairway_section"/>
  <xs:element name="ice_condition" type="ice_condition" maxOccurs="unbounded"/>
 </xs:sequence>
</xs:complexType>
```

element **icem/validity_period**

diagram



namespace www.RISexpertgroups.org

type **validity_period**

properties

isRef	0
minOcc	0
maxOcc	1
content	complex

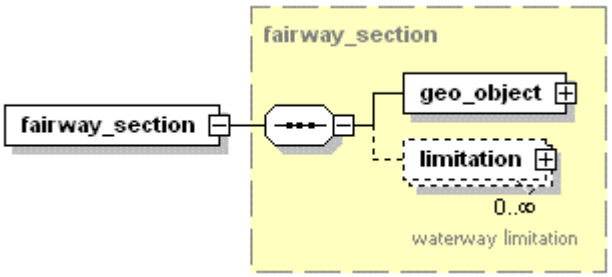
children **date_start** **date_end**

source

```
<xs:element name="validity_period" type="validity_period" minOccurs="0"/>
```

element **icem/fairway_section**

diagram



namespace www.RISexpertgroups.org

type **fairway_section**

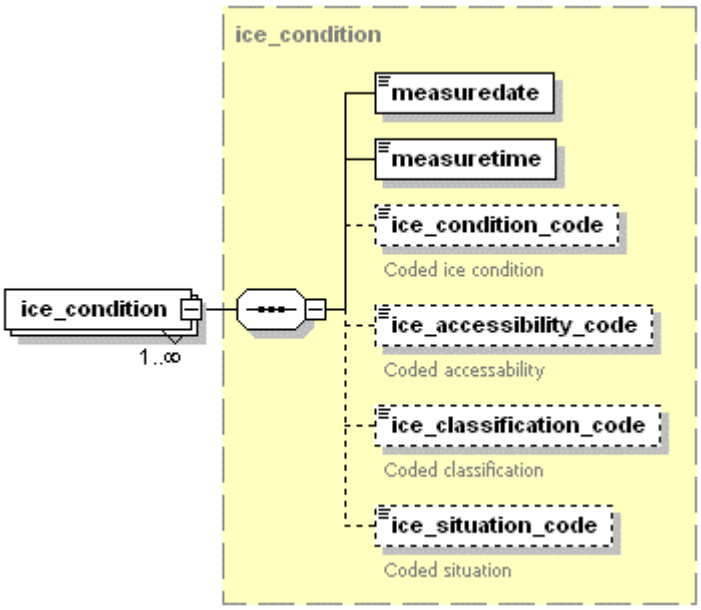
properties
isRef 0
content complex

children **geo_object** **limitation**

source <xs:element name="fairway_section" type="fairway_section"/>

element **icem/ice_condition**

diagram



namespace www.RISexpertgroups.org

type **ice_condition**

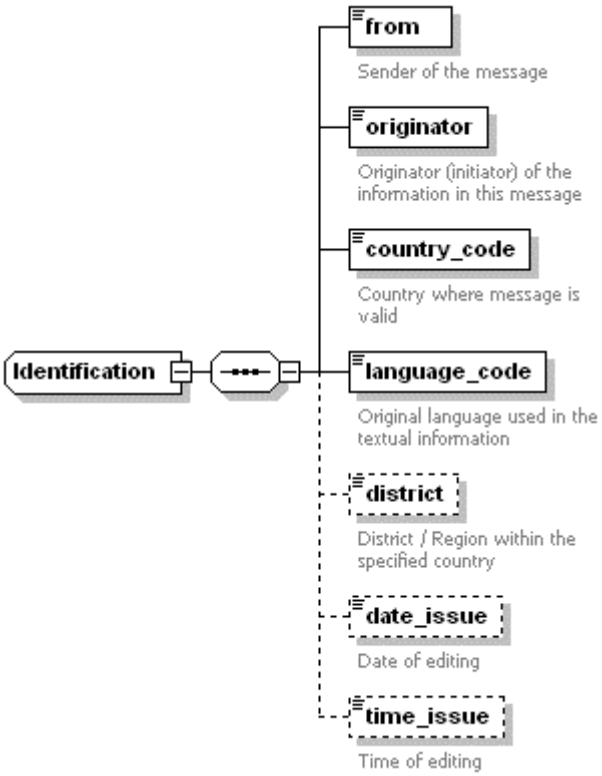
properties
isRef 0
minOcc 1
maxOcc unbounded
content complex

children **measuredate** **measuretime** **ice_condition_code** **ice_accessibility_code** **ice_classification_code** **ice_situation_code**

source <xs:element name="ice_condition" type="ice_condition" maxOccurs="unbounded"/>

complexType **Identification**

diagram



namespace www.RISexpertgroups.org

children **from originator country_code language_code district date_issue time_issue**

used by element **RIS_Message/Identification**

source

```
<xs:complexType name="Identification">
 <xs:sequence>
  <xs:element name="from">
   <xs:annotation>
    <xs:documentation>Sender 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">
   <xs:annotation>
    <xs:documentation>Country where message is valid</xs:documentation>
   </xs:annotation>
   <xs:simpleType>
    <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="CS"/>
     <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"/>
            <xs:enumeration value="LT"/>
            <xs:enumeration value="LU"/>
            <xs:enumeration value="LV"/>
            <xs:enumeration value="MD"/>
            <xs:enumeration value="MT"/>
            <xs:enumeration value="NL"/>
            <xs:enumeration value="PL"/>
            <xs:enumeration value="PT"/>
            <xs:enumeration value="RO"/>
            <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:element>
      <xs:element name="language_code">
        <xs:annotation>
          <xs:documentation>Original language used in the textual information</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="2"/>
            <xs:enumeration value="DE"/>
            <xs:enumeration value="EN"/>
            <xs:enumeration value="HU"/>
            <xs:enumeration value="FR"/>
            <xs:enumeration value="NL"/>
            <xs:enumeration value="SK"/>
            <xs:enumeration value="BG"/>
            <xs:enumeration value="HR"/>
            <xs:enumeration value="RO"/>
            <xs:enumeration value="RU"/>
            <xs:enumeration value="SR"/>
            <xs:enumeration value="CZ"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="district" minOccurs="0">
        <xs:annotation>
          <xs:documentation>District / Region within the specified country</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="date" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Date of editing</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="time_issue" type="time" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Time of editing</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
```

element **Identification/from**

diagram

namespace www.RISexpertgroups.org

type restriction of **xs:string**

properties
- isRef 0
- content simple

facets
- maxLength 64

annotation
documentation
Sender of the message

source

```
<xs:element name="from">
 <xs:annotation>
  <xs:documentation>Sender of the message</xs:documentation>
 </xs:annotation>
 <xs:simpleType>
  <xs:restriction base="xs:string">
   <xs:maxLength value="64"/>
  </xs:restriction>
 </xs:simpleType>
</xs:element>
```

element **Identification/originator**

diagram

namespace www.RISexpertgroups.org

type restriction of **xs:string**

properties
- isRef 0
- content simple

facets
- maxLength 64

annotation
documentation
Originator (initiator) of the information in this message

source

```
<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>
```

element **Identification/country_code**

diagram

namespace www.RISexpertgroups.org

type restriction of **xs:string**

properties
- isRef 0
- content simple

facets
- maxLength 2
- enumeration AT
- enumeration BE
- enumeration BG
- enumeration CH
- enumeration CS

enumeration CY
enumeration CZ
enumeration DE
enumeration DK
enumeration EE
enumeration ES
enumeration FI
enumeration FR
enumeration GB
enumeration GR
enumeration HR
enumeration HU
enumeration IE
enumeration IT
enumeration LT
enumeration LU
enumeration LV
enumeration MD
enumeration MT
enumeration NL
enumeration PL
enumeration PT
enumeration RO
enumeration SE
enumeration SI
enumeration SK
enumeration RU
enumeration UA

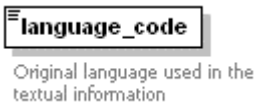
annotation documentation
Country where message is valid

source

```
<xs:element name="country_code">
 <xs:annotation>
  <xs:documentation>Country where message is valid</xs:documentation>
 </xs:annotation>
 <xs:simpleType>
  <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="CS"/>
   <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"/>
   <xs:enumeration value="LT"/>
   <xs:enumeration value="LU"/>
   <xs:enumeration value="LV"/>
   <xs:enumeration value="MD"/>
   <xs:enumeration value="MT"/>
   <xs:enumeration value="NL"/>
   <xs:enumeration value="PL"/>
   <xs:enumeration value="PT"/>
   <xs:enumeration value="RO"/>
   <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:element>
```

element **Identification/language_code**

diagram



namespace www.RISexpertgroups.org

type restriction of **xs:string**

properties
- isRef 0
- content simple

facets
- maxLength 2
- enumeration DE
- enumeration EN
- enumeration HU
- enumeration FR
- enumeration NL
- enumeration SK
- enumeration BG
- enumeration HR
- enumeration RO
- enumeration RU
- enumeration SR
- enumeration CZ

annotation
documentation
Original language used in the textual information

source
```
<xs:element name="language_code">
 <xs:annotation>
  <xs:documentation>Original language used in the textual information</xs:documentation>
 </xs:annotation>
 <xs:simpleType>
  <xs:restriction base="xs:string">
   <xs:maxLength value="2"/>
   <xs:enumeration value="DE"/>
   <xs:enumeration value="EN"/>
   <xs:enumeration value="HU"/>
   <xs:enumeration value="FR"/>
   <xs:enumeration value="NL"/>
   <xs:enumeration value="SK"/>
   <xs:enumeration value="BG"/>
   <xs:enumeration value="HR"/>
   <xs:enumeration value="RO"/>
   <xs:enumeration value="RU"/>
   <xs:enumeration value="SR"/>
   <xs:enumeration value="CZ"/>
  </xs:restriction>
 </xs:simpleType>
</xs:element>
```

element **Identification/district**

diagram

namespace www.RISexpertgroups.org

type restriction of **xs:string**

properties
- isRef 0
- minOcc 0
- maxOcc 1
- content simple

facets
- maxLength 64

annotation
documentation
District / Region within the specified country

source
```
<xs:element name="district" minOccurs="0">
 <xs:annotation>
  <xs:documentation>District / Region within the specified country</xs:documentation>
```

```
  </xs:annotation>
  <xs:simpleType>
   <xs:restriction base="xs:string">
    <xs:maxLength value="64"/>
   </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **Identification/date_issue**

diagram

namespace www.RISexpertgroups.org

type **date**

properties

isRef	0
minOcc	0
maxOcc	1
content	simple

facets

minInclusive	20000101
maxInclusive	99999999

annotation

documentation
Date of editing

source

```
<xs:element name="date_issue" type="date" minOccurs="0">
 <xs:annotation>
  <xs:documentation>Date of editing</xs:documentation>
 </xs:annotation>
</xs:element>
```

element **Identification/time_issue**

diagram

namespace www.RISexpertgroups.org

type **time**

properties

isRef	0
minOcc	0
maxOcc	1
content	simple

facets

minInclusive	0000
maxInclusive	2359

annotation

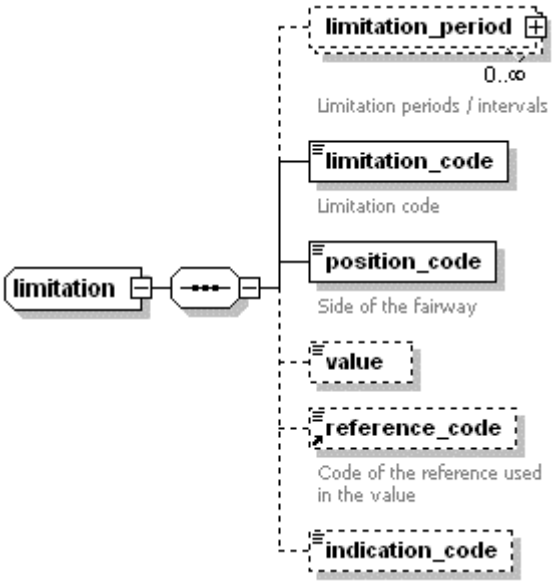
documentation
Time of editing

source

```
<xs:element name="time_issue" type="time" minOccurs="0">
 <xs:annotation>
  <xs:documentation>Time of editing</xs:documentation>
 </xs:annotation>
</xs:element>
```

complexType **limitation**

diagram



namespace www.RISexpertgroups.org

children **limitation_period** **limitation_code** **position_code** **value** **reference_code** **indication_code**

used by elements **fairway_section/limitation** **object/limitation**

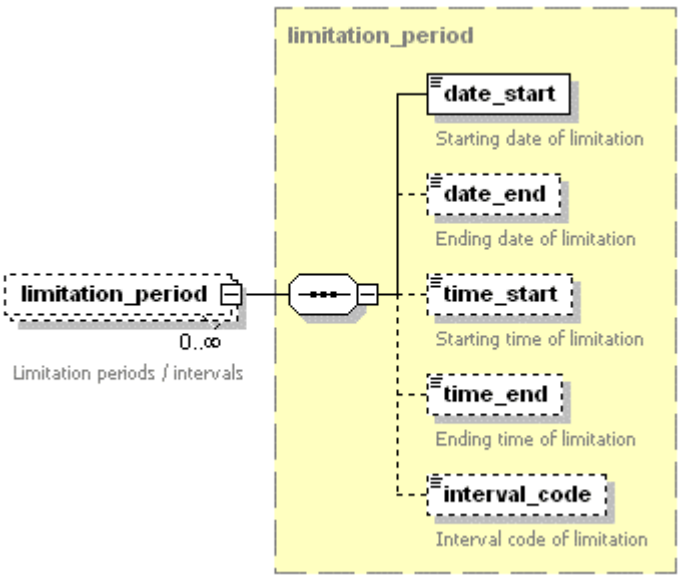
source

```
<xs:complexType name="limitation">
 <xs:sequence>
  <xs:element name="limitation_period" type="limitation_period" minOccurs="0" maxOccurs="unbounded">
   <xs:annotation>
    <xs:documentation>Limitation periods / intervals</xs:documentation>
   </xs:annotation>
  </xs:element>
  <xs:element name="limitation_code">
   <xs:annotation>
    <xs:documentation>Limitation code</xs:documentation>
   </xs:annotation>
   <xs:simpleType>
    <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:restriction>
   </xs:simpleType>
  </xs:element>
  <xs:element name="position_code" default="AL">
   <xs:annotation>
    <xs:documentation>Side of the fairway</xs:documentation>
```

```
      </xs:annotation>
      <xs:simpleType>
        <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:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="value" type="xs:float" minOccurs="0"/>
    <xs:element ref="reference_code" minOccurs="0"/>
    <xs:element name="indication_code" minOccurs="0">
      <xs:simpleType>
        <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:element>
  </xs:sequence>
</xs:complexType>
```

element **limitation/limitation_period**

diagram



namespace www.RISexpertgroups.org

type **limitation_period**

properties

isRef	0
minOcc	0
maxOcc	unbounded

content complex

children **date_start date_end time_start time_end interval_code**

annotation documentation
Limitation periods / intervals

source
```
<xs:element name="limitation_period" type="limitation_period" minOccurs="0" maxOccurs="unbounded">
 <xs:annotation>
  <xs:documentation>Limitation periods / intervals</xs:documentation>
 </xs:annotation>
</xs:element>
```

element **limitation/limitation_code**

diagram

namespace www.RISexpertgroups.org

type restriction of **xs:string**

properties
- isRef 0
- content simple

facets
- maxLength 6
- enumeration OBSTRU
- enumeration PAROBS
- enumeration DELAY
- enumeration VESLEN
- enumeration VESHEI
- enumeration VESBRE
- enumeration VESDRA
- enumeration AVALEN
- enumeration CLEHEI
- enumeration CLEWID
- enumeration AVADEP
- enumeration NOMOOR
- enumeration SERVIC
- enumeration NOSERV
- enumeration SPEED
- enumeration WAVWAS
- enumeration PASSIN
- enumeration ANCHOR
- enumeration OVRTAK
- enumeration MINPWR
- enumeration ALTER
- enumeration CAUTIO
- enumeration NOLIM

annotation documentation
Limitation code

source
```
<xs:element name="limitation_code">
 <xs:annotation>
  <xs:documentation>Limitation code</xs:documentation>
 </xs:annotation>
 <xs:simpleType>
  <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:restriction>
  </xs:simpleType>
</xs:element>
```

element **limitation/position_code**

diagram

namespace www.RISexpertgroups.org

type restriction of **xs:string**

properties

isRef	0
content	simple
default	AL

facets

maxLength	2
enumeration	AL
enumeration	LE
enumeration	MI
enumeration	RI
enumeration	LB
enumeration	RB
enumeration	N
enumeration	NE
enumeration	E
enumeration	SE
enumeration	S
enumeration	SW
enumeration	W
enumeration	NW
enumeration	BI
enumeration	SM
enumeration	OL
enumeration	EW
enumeration	MP
enumeration	FP
enumeration	VA

annotation documentation
Side of the fairway

source

```
<xs:element name="position_code" default="AL">
  <xs:annotation>
    <xs:documentation>Side of the fairway</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <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:restriction>
  </xs:simpleType>
```

```
</xs:element>
```

element **limitation/value**

diagram

namespace www.RISexpertgroups.org

type **xs:float**

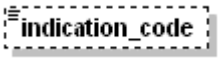
properties
- isRef 0
- minOcc 0
- maxOcc 1
- content simple

source

```
<xs:element name="value" type="xs:float" minOccurs="0"/>
```

element **limitation/indication_code**

diagram



namespace www.RISexpertgroups.org

type restriction of **xs:string**

properties
- isRef 0
- minOcc 0
- maxOcc 1
- content simple

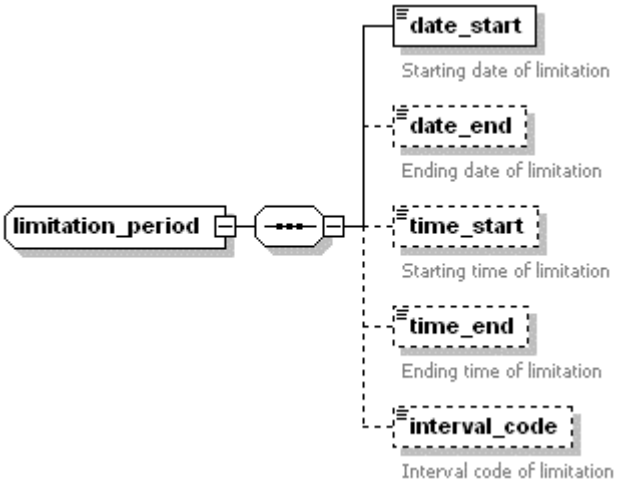
facets
- maxLength 3
- enumeration MAX
- enumeration MIN
- enumeration RED

source

```
<xs:element name="indication_code" minOccurs="0">
 <xs:simpleType>
  <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:element>
```

complexType **limitation_period**

diagram



namespace www.RISexpertgroups.org

children **date_start** **date_end** **time_start** **time_end** **interval_code**

used by element **limitation/limitation_period**

source
```
<xs:complexType name="limitation_period">
 <xs:sequence>
  <xs:element name="date_start">
   <xs:annotation>
    <xs:documentation>Starting date of limitation</xs:documentation>
   </xs:annotation>
   <xs:simpleType>
    <xs:restriction base="date">
     <xs:maxInclusive value="30001231"/>
    </xs:restriction>
   </xs:simpleType>
  </xs:element>
  <xs:element name="date_end" type="date" minOccurs="0">
   <xs:annotation>
    <xs:documentation>Ending date of limitation</xs:documentation>
   </xs:annotation>
  </xs:element>
  <xs:element name="time_start" type="time" minOccurs="0">
   <xs:annotation>
    <xs:documentation>Starting time of limitation</xs:documentation>
   </xs:annotation>
  </xs:element>
  <xs:element name="time_end" type="time" minOccurs="0">
   <xs:annotation>
    <xs:documentation>Ending time of limitation</xs:documentation>
   </xs:annotation>
  </xs:element>
  <xs:element name="interval_code" minOccurs="0">
   <xs:annotation>
    <xs:documentation>Interval code of limitation</xs:documentation>
   </xs:annotation>
   <xs:simpleType>
    <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"/>
     <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:restriction>
   </xs:simpleType>
  </xs:element>
 </xs:sequence>
</xs:complexType>
```

element **limitation_period/date_start**

diagram

namespace www.RISexpertgroups.org

type restriction of **date**

properties
- isRef 0
- content simple

facets
- minInclusive 20000101
- maxInclusive 30001231

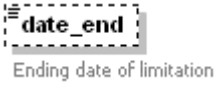
annotation
documentation
Starting date of limitation

source
```
<xs:element name="date_start">
 <xs:annotation>
```

```
    <xs:documentation>Starting date of limitation</xs:documentation>
   </xs:annotation>
   <xs:simpleType>
    <xs:restriction base="date">
     <xs:maxInclusive value="30001231"/>
    </xs:restriction>
   </xs:simpleType>
  </xs:element>
```

element **limitation_period/date_end**

diagram



namespace www.RISexpertgroups.org

type **date**

properties
- isRef 0
- minOcc 0
- maxOcc 1
- content simple

facets
- minInclusive 20000101
- maxInclusive 99999999

annotation
documentation
Ending date of limitation

source

```
<xs:element name="date_end" type="date" minOccurs="0">
 <xs:annotation>
  <xs:documentation>Ending date of limitation</xs:documentation>
 </xs:annotation>
</xs:element>
```

element **limitation_period/time_start**

diagram

namespace www.RISexpertgroups.org

type **time**

properties
- isRef 0
- minOcc 0
- maxOcc 1
- content simple

facets
- minInclusive 0000
- maxInclusive 2359

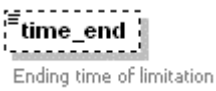
annotation
documentation
Starting time of limitation

source

```
<xs:element name="time_start" type="time" minOccurs="0">
 <xs:annotation>
  <xs:documentation>Starting time of limitation</xs:documentation>
 </xs:annotation>
</xs:element>
```

element **limitation_period/time_end**

diagram



namespace www.RISexpertgroups.org

type **time**

properties
- isRef 0
- minOcc 0
- maxOcc 1
- content simple

facets
minInclusive 0000
maxInclusive 2359

annotation
documentation
Ending time of limitation

source
```
<xs:element name="time_end" type="time" minOccurs="0">
 <xs:annotation>
  <xs:documentation>Ending time of limitation</xs:documentation>
 </xs:annotation>
</xs:element>
```

element **limitation_period/interval_code**

diagram

namespace www.RISexpertgroups.org

type restriction of **xs:string**

properties
isRef 0
minOcc 0
maxOcc 1
content simple

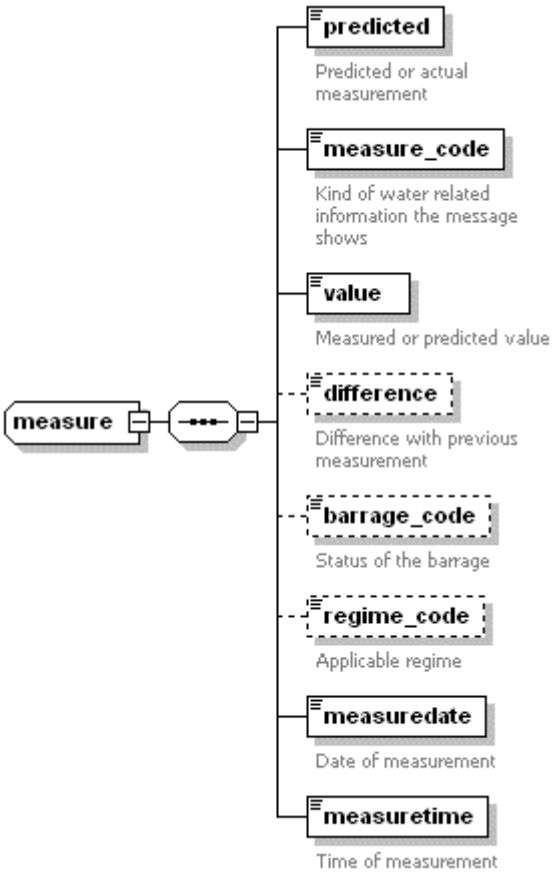
facets
maxLength 3
enumeration CON
enumeration DAY
enumeration WRK
enumeration WKN
enumeration SUN
enumeration MON
enumeration TUE
enumeration WED
enumeration THU
enumeration FRI
enumeration SAT
enumeration DTI
enumeration NTI
enumeration RVI
enumeration EXC

annotation
documentation
Interval code of limitation

source
```
<xs:element name="interval_code" minOccurs="0">
 <xs:annotation>
  <xs:documentation>Interval code of limitation</xs:documentation>
 </xs:annotation>
 <xs:simpleType>
  <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"/>
   <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:restriction>
 </xs:simpleType>
</xs:element>
```

complexType **measure**

diagram



namespace www.RISexpertgroups.org

children **predicted measure_code value difference barrage_code regime_code measuredate measuretime**

used by element **wrm/measure**

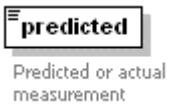
source

```
<xs:complexType name="measure">
 <xs:sequence>
  <xs:element name="predicted" type="xs:boolean">
   <xs:annotation>
    <xs:documentation>Predicted or actual measurement</xs:documentation>
   </xs:annotation>
  </xs:element>
  <xs:element name="measure_code">
   <xs:annotation>
    <xs:documentation>Kind of water related information the message shows</xs:documentation>
   </xs:annotation>
   <xs:simpleType>
    <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"/>
    </xs:restriction>
   </xs:simpleType>
  </xs:element>
  <xs:element name="value" type="xs:float">
   <xs:annotation>
    <xs:documentation>Measured or predicted value</xs:documentation>
   </xs:annotation>
  </xs:element>
  <xs:element name="difference" type="xs:float" minOccurs="0">
   <xs:annotation>
    <xs:documentation>Difference with previous measurement</xs:documentation>
```

```
    </xs:annotation>
   </xs:element>
   <xs:element name="barrage_code" minOccurs="0">
    <xs:annotation>
     <xs:documentation>Status of the barrage</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <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:element>
   <xs:element name="regime_code" minOccurs="0">
    <xs:annotation>
     <xs:documentation>Applicable regime</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <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:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="measuredate">
    <xs:annotation>
     <xs:documentation>Date of measurement</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="date">
      <xs:maxInclusive value="30001231"/>
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="measuretime" type="time">
    <xs:annotation>
     <xs:documentation>Time of measurement</xs:documentation>
    </xs:annotation>
   </xs:element>
  </xs:sequence>
 </xs:complexType>
```

element **measure/predicted**

diagram



namespace www.RISexpertgroups.org

type **xs:boolean**

properties
isRef 0
content simple

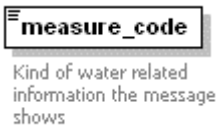
annotation
documentation
Predicted or actual measurement

source

```
<xs:element name="predicted" type="xs:boolean">
 <xs:annotation>
  <xs:documentation>Predicted or actual measurement</xs:documentation>
 </xs:annotation>
</xs:element>
```

element **measure/measure_code**

diagram



namespace www.RISexpertgroups.org

type restriction of **xs:string**

properties
- isRef 0
- content simple

facets
- maxLength 3
- enumeration DIS
- enumeration REG
- enumeration BAR
- enumeration VER
- enumeration LSD
- enumeration WAL

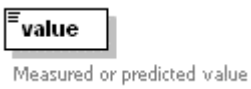
annotation
documentation
Kind of water related information the message shows

source

```
<xs:element name="measure_code">
 <xs:annotation>
  <xs:documentation>Kind of water related information the message shows</xs:documentation>
 </xs:annotation>
 <xs:simpleType>
  <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"/>
  </xs:restriction>
 </xs:simpleType>
</xs:element>
```

element **measure/value**

diagram



namespace www.RISexpertgroups.org

type **xs:float**

properties
- isRef 0
- content simple

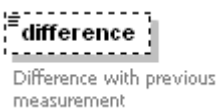
annotation
documentation
Measured or predicted value

source

```
<xs:element name="value" type="xs:float">
 <xs:annotation>
  <xs:documentation>Measured or predicted value</xs:documentation>
 </xs:annotation>
</xs:element>
```

element **measure/difference**

diagram



namespace www.RISexpertgroups.org

type **xs:float**

properties
isRef 0
minOcc 0
maxOcc 1
content simple
annotation
documentation
Difference with previous measurement

source
```
<xs:element name="difference" type="xs:float" minOccurs="0">
 <xs:annotation>
  <xs:documentation>Difference with previous measurement</xs:documentation>
 </xs:annotation>
</xs:element>
```

element **measure/barrage_code**

diagram

namespace www.RISexpertgroups.org

type restriction of **xs:string**

properties
isRef 0
minOcc 0
maxOcc 1
content simple
facets
maxLength 3
enumeration CLD
enumeration OPG
enumeration CLG
enumeration OPD
enumeration OPN
annotation
documentation
Status of the barrage

source
```
<xs:element name="barrage_code" minOccurs="0">
 <xs:annotation>
  <xs:documentation>Status of the barrage</xs:documentation>
 </xs:annotation>
 <xs:simpleType>
  <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:element>
```

element **measure/regime_code**

diagram

namespace www.RISexpertgroups.org

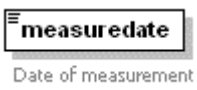
type restriction of **xs:string**

properties
isRef 0
minOcc 0
maxOcc 1
content simple
facets
maxLength 2
enumeration NO
enumeration HI
enumeration II
enumeration I
enumeration NN
annotation
documentation
Applicable regime

source
```
<xs:element name="regime_code" minOccurs="0">
 <xs:annotation>
  <xs:documentation>Applicable regime</xs:documentation>
 </xs:annotation>
 <xs:simpleType>
  <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:restriction>
 </xs:simpleType>
</xs:element>
```

element **measure/measuredate**

diagram



namespace www.RISexpertgroups.org

type restriction of **date**

properties
- isRef 0
- content simple

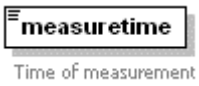
facets
- minInclusive 20000101
- maxInclusive 30001231

annotation
documentation
Date of measurement

source
```
<xs:element name="measuredate">
 <xs:annotation>
  <xs:documentation>Date of measurement</xs:documentation>
 </xs:annotation>
 <xs:simpleType>
  <xs:restriction base="date">
   <xs:maxInclusive value="30001231"/>
  </xs:restriction>
 </xs:simpleType>
</xs:element>
```

element **measure/measuretime**

diagram



namespace www.RISexpertgroups.org

type **time**

properties
- isRef 0
- content simple

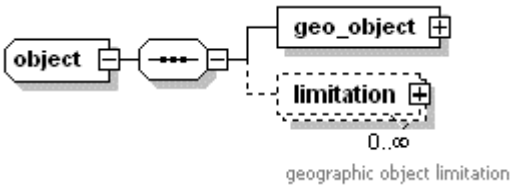
facets
- minInclusive 0000
- maxInclusive 2359

annotation
documentation
Time of measurement

source
```
<xs:element name="measuretime" type="time">
 <xs:annotation>
  <xs:documentation>Time of measurement</xs:documentation>
 </xs:annotation>
</xs:element>
```

complexType **object**

diagram



namespace www.RISexpertgroups.org

children **geo_object** **limitation**

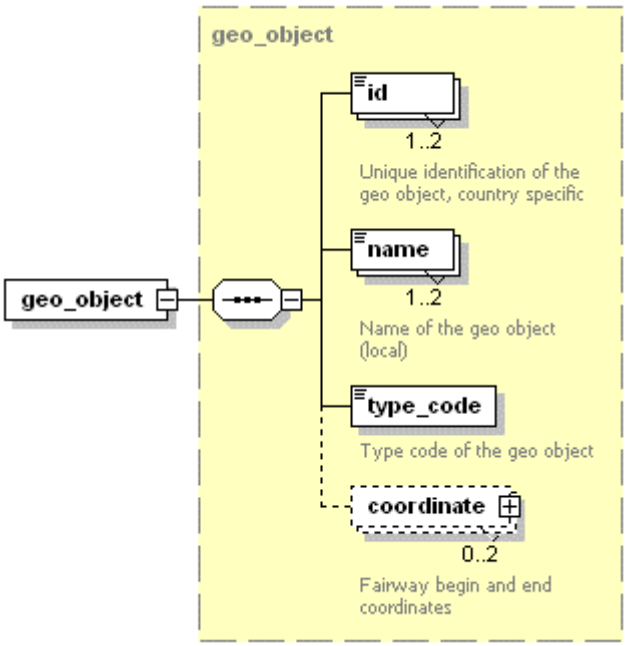
used by element **ftm/object**

source

```
<xs:complexType name="object">
 <xs:sequence>
  <xs:element name="geo_object" type="geo_object"/>
  <xs:element name="limitation" type="limitation" minOccurs="0" maxOccurs="unbounded">
   <xs:annotation>
    <xs:documentation>geographic object limitation</xs:documentation>
   </xs:annotation>
  </xs:element>
 </xs:sequence>
</xs:complexType>
```

element **object/geo_object**

diagram



namespace www.RISexpertgroups.org

type **geo_object**

properties isRef 0
content complex

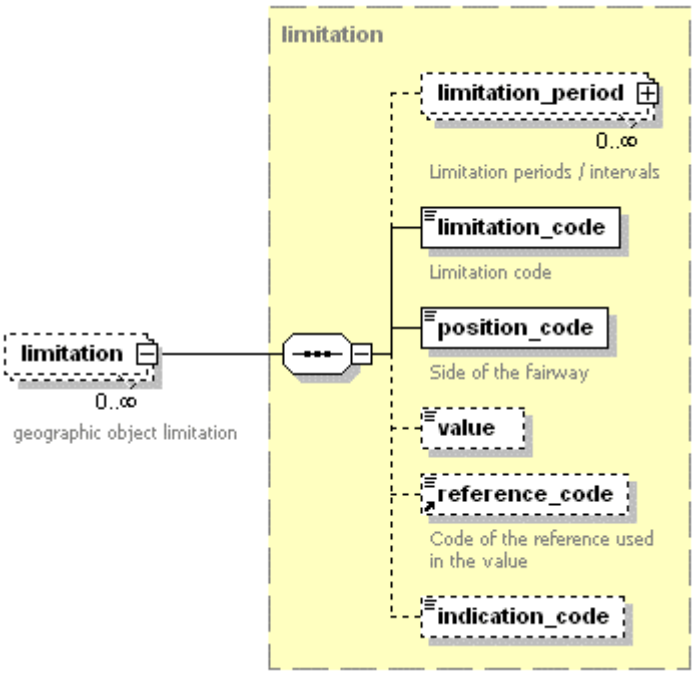
children **id** **name** **type_code** **coordinate**

source

```
<xs:element name="geo_object" type="geo_object"/>
```

element **object/limitation**

diagram



namespace www.RISexpertgroups.org

type **limitation**

properties
- isRef 0
- minOcc 0
- maxOcc unbounded
- content complex

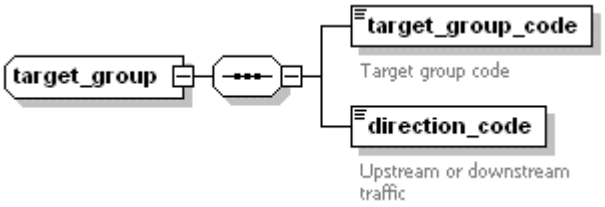
children **limitation_period** **limitation_code** **position_code** **value** **reference_code** **indication_code**

annotation
documentation
geographic object limitation

source
```
<xs:element name="limitation" type="limitation" minOccurs="0" maxOccurs="unbounded">
 <xs:annotation>
  <xs:documentation>geographic object limitation</xs:documentation>
 </xs:annotation>
</xs:element>
```

complexType **target_group**

diagram



namespace www.RISexpertgroups.org

children **target_group_code** **direction_code**

used by
element **ftm/target_group**

source
```
<xs:complexType name="target_group">
 <xs:sequence>
  <xs:element name="target_group_code" default="ALL">
   <xs:annotation>
    <xs:documentation>Target group code</xs:documentation>
   </xs:annotation>
   <xs:simpleType>
    <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:restriction>
      </xs:simpleType>
     </xs:element>
     <xs:element name="direction_code" default="ALL">
      <xs:annotation>
       <xs:documentation>Upstream or downstream traffic</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
       <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:element>
    </xs:sequence>
   </xs:complexType>
```

element **target_group/target_group_code**

diagram

namespace www.RISexpertgroups.org

type restriction of **xs:string**

properties

isRef	0
content	simple
default	ALL

facets

maxLength	3
enumeration	ALL
enumeration	CDG
enumeration	COM
enumeration	PAX
enumeration	PLE
enumeration	CNV
enumeration	PUS
enumeration	NNU

annotation

documentation

Target group code

source

```
<xs:element name="target_group_code" default="ALL">
 <xs:annotation>
  <xs:documentation>Target group code</xs:documentation>
 </xs:annotation>
 <xs:simpleType>
  <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:restriction>
 </xs:simpleType>
</xs:element>
```

element **target_group/direction_code**

diagram

namespace www.RISexpertgroups.org

type restriction of **xs:string**

properties
- isRef 0
- content simple
- default ALL

facets
- maxLength 3
- enumeration ALL
- enumeration UPS
- enumeration DWN

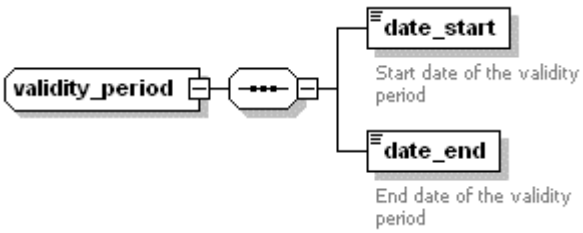
annotation
documentation
Upstream or downstream traffic

source

```
<xs:element name="direction_code" default="ALL">
 <xs:annotation>
  <xs:documentation>Upstream or downstream traffic</xs:documentation>
 </xs:annotation>
 <xs:simpleType>
  <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:element>
```

complexType **validity_period**

diagram



namespace www.RISexpertgroups.org

children **date_start** **date_end**

used by
- elements **ftm/validity_period** **wrm/validity_period** **icem/validity_period**

source

```
<xs:complexType name="validity_period">
 <xs:sequence>
  <xs:element name="date_start">
   <xs:annotation>
    <xs:documentation>Start date of the validity period</xs:documentation>
   </xs:annotation>
   <xs:simpleType>
    <xs:restriction base="date">
     <xs:maxInclusive value="30001231"/>
    </xs:restriction>
   </xs:simpleType>
  </xs:element>
  <xs:element name="date_end" type="date">
   <xs:annotation>
    <xs:documentation>End date of the validity period</xs:documentation>
   </xs:annotation>
  </xs:element>
 </xs:sequence>
</xs:complexType>
```

element **validity_period/date_start**

diagram

namespace www.RISexpertgroups.org

type restriction of **date**

properties
- isRef 0
- content simple

facets
- minInclusive 20000101
- maxInclusive 30001231

annotation
documentation
Start date of the validity period

source

```
<xs:element name="date_start">
 <xs:annotation>
  <xs:documentation>Start date of the validity period</xs:documentation>
 </xs:annotation>
 <xs:simpleType>
  <xs:restriction base="date">
   <xs:maxInclusive value="30001231"/>
  </xs:restriction>
 </xs:simpleType>
</xs:element>
```

element **validity_period/date_end**

diagram

namespace www.RISexpertgroups.org

type **date**

properties
- isRef 0
- content simple

facets
- minInclusive 20000101
- maxInclusive 99999999

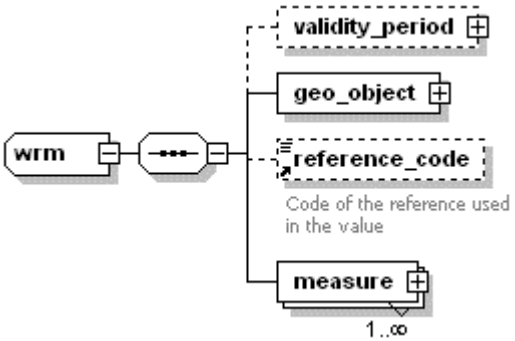
annotation
documentation
End date of the validity period

source

```
<xs:element name="date_end" type="date">
 <xs:annotation>
  <xs:documentation>End date of the validity period</xs:documentation>
 </xs:annotation>
</xs:element>
```

complexType **wrm**

diagram



namespace www.RISexpertgroups.org

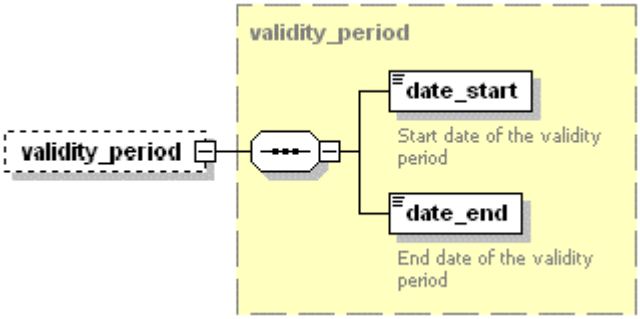
children **validity_period** **geo_object** **reference_code** **measure**

used by element **RIS_Message/wrm**

source
```
<xs:complexType name="wrm">
  <xs:sequence>
    <xs:element name="validity_period" type="validity_period" minOccurs="0"/>
    <xs:element name="geo_object" type="geo_object"/>
    <xs:element ref="reference_code" minOccurs="0"/>
    <xs:element name="measure" type="measure" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
```

element **wrm/validity_period**

diagram



namespace www.RISexpertgroups.org

type **validity_period**

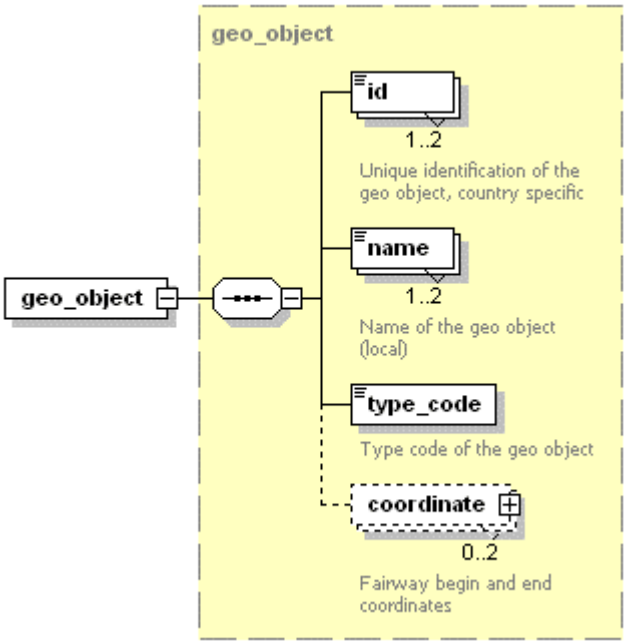
properties
isRef 0
minOcc 0
maxOcc 1
content complex

children **date_start** **date_end**

source
```
<xs:element name="validity_period" type="validity_period" minOccurs="0"/>
```

element **wrm/geo_object**

diagram



namespace www.RISexpertgroups.org

type **geo_object**

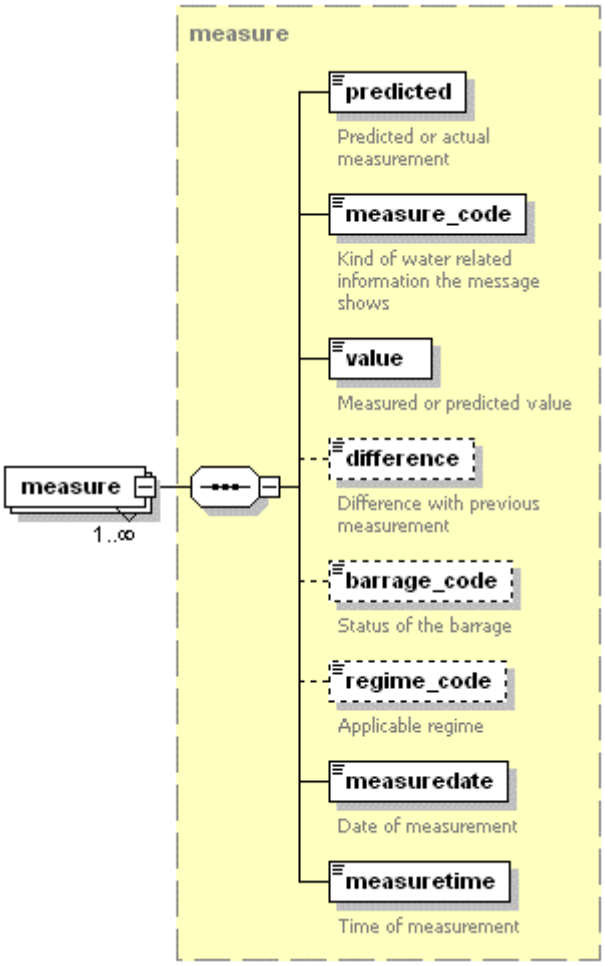
properties
isRef 0
content complex

children **id** **name** **type_code** **coordinate**

source
```
<xs:element name="geo_object" type="geo_object"/>
```

element **wrm/measure**

diagram



namespace www.RISexpertgroups.org

type **measure**

properties
- isRef 0
- minOcc 1
- maxOcc unbounded
- content complex

children **predicted** **measure_code** **value** **difference** **barrage_code** **regime_code** **measuredate** **measuretime**

source
```
<xs:element name="measure" type="measure" maxOccurs="unbounded"/>
```

simpleType **date**

namespace www.RISexpertgroups.org

type restriction of **xs:positiveInteger**

used by
- elements **validity_period/date_end** **limitation_period/date_end** **Identification/date_issue** **validity_period/date_start** **limitation_period/date_start** **measure/measuredate** **ice_condition/measuredate**

facets
- minInclusive 20000101
- maxInclusive 99999999

source
```
<xs:simpleType name="date">
  <xs:restriction base="xs:positiveInteger">
    <xs:minInclusive value="20000101"/>
    <xs:maxInclusive value="99999999"/>
  </xs:restriction>
```

```
</xs:simpleType>
```

simpleType **time**

namespace www.RISexpertgroups.org

type restriction of **xs:nonNegativeInteger**

used by elements **measure/measuretime** **ice_condition/measuretime** **limitation_period/time_end** **Identification/time_issue** **limitation_period/time_start**

facets minInclusive 0000
maxInclusive 2359

source

```
<xs:simpleType name="time">
  <xs:restriction base="xs:nonNegativeInteger">
    <xs:minInclusive value="0000"/>
    <xs:maxInclusive value="2359"/>
  </xs:restriction>
</xs:simpleType>
```

Appendix C - Specifications of examples for the implementation of the Notices to Skippers Standard

C.1 Example for the presentation of a Notice to Skippers

In the following example the text mask is given in plain text, the content of the message with grey underlay. Sections, which are not obligatory, are in square brackets.

Notice to skippers

A new Notice to Skippers of via-donau is available for [the Donau waterway in] Austria in the original language German, which has been compiled by BMVIT, Schifffahrtspolizei [on 10 June 2003 at 11:10]:
The fairway and traffic related message no 89/00 in the year 2003,
[published by the Strom- und Hafenaufsicht Hainburg] concerning dredging [caused by siltation] is valid between 7 October 2003 and 25 October 2003 [for all vessels in all directions].
[Additional information is provided via internet, www.via-donau.org.] *or*
[There exists an additional duty to report via VHF channel 16.]
[On workdays from 7 October 2003 until 25 October 2003 between 06:00 o'clock and 19:00 o'clock] following limitation is valid for the waterway Donau, Furt Orth, km 1902,000 to 1902,600: available depth [210 cm referred to low water level Danube Commission] along the left side of the fairway.
[[On workdays from 7 October 2003 until 25 October 2003 between 06:00 o'clock and 19:00 o'clock] following limitation is valid for the lock Greifenstein, km 1950,000: available length [200 cm referred to equivalent low water level] along the left side of the fairway.]
Additional text in national language: [xxxx]

Water level related message
This message is valid for the gauge Kienstock [between 10 June 2003 and 11 June 2003].
All values are referred to the zero point of gauge.
The measured value for the water level on 10 June 2003 at 10:00 o´clock was 197 cm.
[The difference to the last meassured value is +15 cm]. [At the moment the barrage is closed] and [navigation faces normal regime.]

[According to the forecast the water level on 11 June 2003 at 12:00 o´clock will be 205 cm].
Ice related message
This message is valid for the waterway Danube [between 3 December 2003 and 5 December 2003].
On 3 December 2003 at 0:00 o´clock navigation faced [light floating ice] [Navigation is normal.] [The section is navigable] [and skippers face no limitation.]