

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

- Article 1 The Annex to Commission Regulation (EC) No 416/2007 is replaced by...
- Article 2 This Regulation shall enter into force on the day following...
Signature

ANNEX

1. GENERAL PROVISIONS
 - 1.1. Definitions
 - 1.2. Primary functions and performance requirements for Notices to Skippers (NtS)...
2. PROVISION OF NOTICES TO SKIPPERS
3. NTS MESSAGE TYPES
4. STRUCTURE OF NTS AND ENCODING OF NTS MESSAGES
 - 4.1. General structure

Figure 1 Notice to Skippers message structure

 - 4.1.1. Identification section
 - 4.1.2. Fairway and traffic related message
 - 4.1.3. Water related message
 - 4.1.4. Ice related message
 - 4.1.5. Weather related message
 - 4.2. Explanation of XML tags and code values in the NtS...
 - 4.3. Identification of fairway sections and objects in NtS messages
 - 4.4. Rules for encoding of NtS messages

A.

NOTICES TO SKIPPERS ENCODING GUIDE FOR EDITORS

Abbreviations:

1. Background, structure and purpose of NtS Encoding Guides
2. Selection of the NtS message type
3. FTM basic considerations, steps towards publication of an FTM
 - 3.1. Is there a need to publish information via NtS FTM...
 - 3.2. Does a valid FTM already exist related to the current...
 - 3.2.1. Yes:

- 3.2.2. No:
 - 3.3. The geographical range of validity is to be set
 - 3.3.1. In case the FTM is related to a specific stretch...
 - 3.3.2. In case the FTM is related to a specific object...
 - 3.3.3. Combination of object- and fairway-related information is possible within one...
 - 3.3.4. Although the coordinates are conditional they shall be provided to...
 - 3.4. Content of the FTM is to be entered
 - 3.5. The target group(s) concerning the type of vessels and affected...
 - 3.5.1. In case the message is valid for all crafts (all...
 - 3.5.2. In case the whole message is valid for specific target...
 - 3.5.3. In case there are different target groups applicable to different...
 - 3.5.4. In case exemptions from limitations are granted to individual vessels...
 - 3.6. The communication section is to be entered if applicable
 - 3.7. The limitation section is to be entered if applicable
 - 3.8. The start date of the validity of the message is...
 - 3.9. The message can be published
4. FTM explanation of codes
- 4.1. Subject_code:
 - 4.2. Reason_code
 - 4.3. Limitation_code:
 - 4.4. Limitation_interval_code: Definition of use of interval codes:
 - 4.5. Indication_code:
 - 4.5.1. If absolute dimensions or references are known they have to...
 - 4.5.2. reduced by → this is a relative value
 - 4.5.3. maximum → this is an absolute value
 - 4.5.4. minimum → this is an absolute value
 - 4.5.5. If the dimension indicating a limitation refers to a geographical...
 - 4.5.6. If the dimension indicating a limitation refers to a dimension...
 - 4.6. Position_code (objects):
 - 4.7. Position_code (fairways/waterways):
 - 4.8. Position_code (limitations):
 - 4.8.1. Wherever possible the Position_code shall refer to the side of...
 - 4.8.2. The Position_code shall direct the attention of the skipper to...
 - 4.8.3. If necessary, more precise position information should preferably be given...
 - 4.8.4. For sections where the usual position indication by fairway side...
 - 4.9. Target_group_code (see chapter 3.5)
 - 4.10. Reporting_code
 - 4.10.1. The Reporting_code shall, as a general rule, only be used...
 - 4.10.2. A routine reiteration of publicly available communication data (e.g. telephone...
 - 4.10.3. Generally applicable means of communication according to official regulation (e.g....
 - 4.11. Communication_code
 - 4.12. Type_code:
5. WRM basic considerations
6. ICEM basic considerations, steps towards publication of an ICEM
- 6.1. Is there a need to publish information via NtS ICEM?...
 - 6.2. Does a valid ICEM already exist for the affected stretch...

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

- 6.2.1. Yes:
 - 6.2.2. No:
 - 6.3. However information about ice condition not hindering navigation may be...
 - 6.4. One ICEM is always valid for one single stretch of...
 - 6.5. Measurement time is to be entered. The respective ice conditions...
 - 6.5.1. Ice_condition_code
 - 6.5.2. Ice_accessibility_code
 - 6.5.3. Ice_classification_code
 - 6.5.4. Ice_situation_code (the ice situation code should always be provided to...
 - 6.6. The ICEM can be published. Ice messages will be valid...
- 7. WERM basic considerations
 - 8. Rules for certain elements
 - 8.1. Rules for the element 'name' related to objects
 - 8.2. Rules for the element 'name' related to fairways
 - 8.3. Rules for the elements 'value' and 'unit' within limitations

B.

NOTICES TO SKIPPERS ENCODING GUIDE FOR APPLICATION DEVELOPERS

- 1. Background & Structure
 - 1.1. Purpose of NtS Encoding Guide
 - 1.1.1. NtS Encoding Guide for editors
 - 1.1.2. NtS Encoding Guide for application developers (this document)
- 2. NtS messages and sections
 - Figure 2 Visualisation of the NtS message structure: mandatory element (1), mandatory...
- 3. WRM basic considerations
 - 3.1. Filling of nts_number section in the WRM
 - 3.2. Filling of WRM including predictions
 - Figure 3 Visualisation of water level prediction confidence interval: most probable value...(The x-axis shows the time; the y-axis shows the water...
- 4. ICEM processes
 - 4.1. New ICEM
 - 4.2. Update of an existing ICEM
- 5. WERM basic considerations
 - 5.1. Filling of nts_number section in the WERM
 - 5.2. Filling of WERM 'weather_category_code'
- 6. FTM processes
 - 6.1. New FTM
 - 6.2. Update/withdrawal of an existing FTM
 - 6.3. Waterway and/or object related FTM
 - 6.4. Automatic ordering of limitation codes
 - 6.5. Handling of limitation period

7. General implementation rules
 - 7.1. Filling of the ‘number_section’
 - 7.2. Filling of elements ‘from’, ‘originator’, ‘organisation’ and ‘source’
 - 7.3. Omission of elements
 - 7.4. Automatic filling of date_issue
 - 7.5. Handling of time zone information in NtS messages
 - 7.6. Handling of Seconds in NtS messages
 - 7.7. Format of decimals in NtS messages
 - 7.8. Units to be used in NtS messages
 - 7.9. Rules for the elements ‘name’, ‘position_code’ and ‘type_code’
Table 1 Matching ‘RIS Index function_code’ — ‘NtS type_code’
 - 7.10. Rules for the element ‘fairway_name’
 - 7.11. Clarifications for translations in the spreadsheet ‘reference_code’
 - 7.12. Recommendation for the element ‘coordinate’
 - 7.13. Handling of target groups
 - 7.14. Display of valid messages at a given time
 - 7.15. Optional functions to increase user friendliness of NtS editor tools...
 8. NtS XML Message Structure
 9. NtS Web Service
 - 9.1. Objective
 - 9.2. Basic Principles and constraints
 - 9.2.1. Web standards
 - 9.2.2. Interaction model and encoding method for NtS WS
 - 9.3. General specifications and recommendations
 - 9.3.1. Specification: Version information
 - 9.3.2. Specification: Structure of namespaces
 - 9.3.3. Recommendation: Use of namespaces
 - 9.3.4. Recommendation: Use of namespace prefixes
 - 9.3.5. Specification: Use of ISRS Location Codes
 - Invalid ISRS Location Code queries
 - Case 1: No ids element in request
 - Valid query without ids parameter
 - Case 2: One id element in request
 - Valid query with one id parameter
 - Matching and not matching messages for one id parameter
 - Valid query with two id parameters
 - Matching and not matching messages for two id parameters
 - Combination: Multiple ids elements in request
 - Valid query with multiple ids elements
 - 9.4. NtS Message Service (implementation specification)
 - 9.4.1. Request
 - 9.4.2. Response
 - 9.5. Generation of services and clients
- Glossary

Appendix D

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

- (1) [OJ L 255, 30.9.2005, p. 152.](#)
- (2) Commission Regulation (EU) No 416/2007 of 22 March 2007 concerning the technical specifications for Notices to Skippers as referred to in Article 5 of Directive 2005/44/EC of the European Parliament and of the Council on harmonised river information services (RIS) on inland waterways in the Community ([OJ L 105, 23.4.2007 p 88](#)).

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