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Inland Transport Committee

Working Party on Inland Water Transport

Working Party on the Standardization of Technical and Safety Requirements in Inland Navigation

Sixty-first session

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Item 8 (b) of the provisional agenda

Promotion of River Information Services and other information and communication technologies in inland navigation: Other resolutions of the Economic Commission for Europe of relevance to River Information Services

Aligning resolutions of the Economic Commission for Europe with the European Standard for River Information Services

Note by the secretariat

I. Mandate

1. This document is submitted in line with the Proposed Programme Budget for 2022, part V, Regional cooperation for development, section 20, Economic Development in Europe, Programme 17, Economic Development in Europe (A/76/6 (Sect.20), paragraph 20.76).
2. At its sixtieth session, the Working Party on the Standardization of Technical and Safety Requirements in Inland Navigation (SC.3/WP.3) found it desirable to consider aligning resolutions of the Economic Commission for Europe (ECE) of relevance to River Information Services (RIS) with the European Standard for River Information Services (ES-RIS) of the European Committee for Drawing up Standards in the Field of Inland Navigation.
3. SC.3/WP.3 may wish to consider some preliminary conclusions made by the secretariat based on the comparison of ES-RIS edition 2021/1¹ and the relevant ECE resolutions given below.

¹ www.cesni.eu/en/standards-and-explanatory-notice.

II. Comparison of the European Standard for River Information Services and ECE resolutions of relevance to River Information Services

4. The Working Party on Inland Water Transport (SC.3) maintains four ECE resolutions that could be aligned with ES-RIS as shown in the table below.

<i>ECE resolutions of relevance to RIS</i>	<i>ES-RIS</i>
Resolution No. 48 “Recommendation on Electronic Chart Display and Information System for Inland Navigation (Inland ECDIS)”, revision 4	Part I “Standard Electronic Chart Display and Information System for Inland Navigation”
Resolution No. 63 “International Standard for Tracking and Tracing on Inland Waterways (VTT)”, revision 2	Part II “Standard Vessel Tracking and Tracing for Inland Navigation”
–	Part III “Inland AIS ² Shipborne Equipment Operational and Performance Requirements, Methods of Test and Required Test Results (Test Standard Inland AIS)”
Resolution No. 79 “International Standard for Electronic Ship Reporting in Inland Navigation”, revised	Part IV “Standard Electronic Ship Reporting in Inland Navigation”
Resolution No. 80 “International Standard for Notices to Skippers in Inland Navigation”, revised, and amendment No. 1	Part V “Standard Notices to Skippers”
Annex to resolution No. 48, appendix 1.0 “Product Specification for Inland Electronic Navigational Charts (ENCs)”	Annex 1 “Product Specification for Inland ENCs”
Annex to resolution No. 48, appendix 2 “Status of the Presentation Library for Inland ECDIS”	Annex 2 “Presentation Library for Inland ENCs”
Annex to resolution No. 48, appendix 3 “Product Specification for Bathymetric Inland ENCs”	Annex 3 “Product Specification for Bathymetric Inland ENCs”
Annex to resolution No. 48, appendix 4 “Comparison of the structures of the standard for (Maritime) ECDIS and of the technical specifications for Inland ECDIS”	Annex 4 “Comparison of the Structures of the Standard for (Maritime) ECDIS and of the Technical Specifications for Inland ECDIS”
Annex to resolution No. 63, appendix B “Digital interface sentences for Inland AIS”	Annex 5 “Digital Interface Sentences for Inland AIS”
Annex to resolution No. 63, appendix C “Inland vessel and convoy types”	Annex 6 “Inland Vessel and Convoy Types”
–	Annex 7 (informative) “Block Diagram of AIS”
–	Annex 8 (normative) “AIS Interface Overview”
–	Annex 9 (normative) “Additional PI ³ Port Sentences for Inland AIS”
–	Annex 10 “Ship Dimensions”

² Automatic Identification System.

³ Presentation interface.

<i>ECE resolutions of relevance to RIS</i>	<i>ES-RIS</i>
Annex to resolution No. 79, appendix 1 “(Dangerous) Goods Reporting (IFTDGN) — ERINOT”	Annex 11 “(Dangerous) Goods Reporting (IFTDGN) — ERINOT”
Annex to resolution No. 79, appendix 2 “Passenger and Crew List — (PAXLST)”	Annex 12 “Passenger and Crew List — (PAXLST)”
Annex to resolution No. 79, appendix 3 “ERINOT response and receipt message (APERAK) — ERIRSP”	Annex 13 “ERINOT Response and Receipt Message (APERAK) — ERIRSP”
Annex to resolution No. 79, appendix 4 “Berth Management Port Notification (BERMAN)”	Annex 14 “Berth Management Port Notification (BERMAN)”
Annex to resolution No. 80, appendix A “Notices to Skippers Encoding Guide for Editors”	Annex 15 “Notices to Skippers Encoding Guide for Editors”
Annex to resolution No. 80, appendix B “Notices to Skippers Encoding Guide for Application Developers”	Annex 16 “Notices to Skippers Encoding Guide for Application Developers”
Annex to resolution No. 80, appendix C “Notices to Skippers XML Schema Definition (XSD)”	Annex 17 “Standardised Notices to Skippers Extended Markup Language (XML) schema definition, referred to as XSD, standardised code values and possible formats”
Annex to resolution No. 80, appendix D “Notices to Skippers Web Service Specification (WSDL)”	Annex 18 “Notices to Skippers Web Service Specification (WSDL)”
Annex to resolution No. 80, appendix E “Notices to Skippers Reference Tables”	Annex 19 “Notices to Skippers Reference Tables (Tags)”

5. In 2019–2020, SC.3 revised the resolutions mentioned above based on the following regulations, harmonized, where necessary, with other international regulations and national provisions of member States:

- Commission Implementing Regulation (EU) 2018/2032 of 20 November 2018 amending Commission Regulation (EC) No 416/2007 concerning the technical specifications for Notices to Skippers⁴
- Commission Implementing Regulation (EU) 2018/1973 of 7 December 2018 amending Implementing Regulation No. 909/2013 on the technical specifications for the electronic chart display and information system for inland navigation (Inland ECDIS) referred to in Directive 2005/44/EC of the European Parliament and of the Council⁵
- Commission Implementing Regulation (EU) 2019/838 of 20 February 2019 on technical specifications for vessel tracking and tracing systems and repealing Regulation (EC) No 415/2007⁶
- Commission Implementing Regulation (EU) 2019/1744 of 17 September 2019 on technical specifications for electronic ship reporting in inland navigation and repealing Regulation (EU) No 164/2010.⁷

⁴ <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32018R2032>.

⁵ <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32018R1973>.

⁶ <https://eur-lex.europa.eu/legal-content/en/TXT/?uri=CELEX%3A32019R0838>.

⁷ <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32019R1744>.

6. Provisions of resolutions Nos. 48, 63, 79 and 80 are therefore may be considered as aligned with ES-RIS. However, SC.3/WP.3 may wish to take note of the differences that have been identified and decide as appropriate.

7. In parts I and II of ES-RIS, essential services are mentioned as defined in Directive (EU) 2016/1148 of the European Parliament and of the Council of 6 July 2016 concerning measures for a high common level of security of network and information systems across the Union. SC.3/WP.3 may wish to come back to discussion on this issue and add a reference to a similar document applicable at the pan-European level, if it is available.

8. In resolution No. 48, part C, section 1, the minimum list of features to be included in the ENC content contains the waterway axis with kilometres and hectometres or miles indication (paragraph 3.1(c)), while part I of ES-RIS in article 1.03(1)(c) prescribes only the kilometres indication.

9. The glossary of terms in part I, chapter 8 of ES-RIS contains the following acronyms used in the main text that are missing in section 5 “Glossary of Terms” of the annex to resolution No. 48:

- EUT – equipment under test
- GGA – Global Positioning System Fix Data
- HDT – Heading True
- ROT – Rate Of Turn
- RMC – Recommended Minimum Navigation Information
- VTG – Track made good and Ground speed.

SC.3/WP.3 may wish to modify the annex to resolution No. 48 respectively;

10. In the annex to resolution No. 80, SC.3/WP.3 may wish to modify paragraph 4.3 “Identification of fairway sections and objects in Notices to Skippers messages”, the last indent, in accordance with article 4.03, part V of ES-RIS:

“The ISRS Location Codes and the reference data of objects are maintained by the Member States in the RIS Index and submitted to the ERDMS operated by the European Commission according to the Maintenance procedures for the RIS Index published on the ERDMS⁸ website.”

11. The contents of annexes to ES-RIS and resolutions of relevance to RIS has not been considered in detail. SC.3/WP.3 may wish to provide instructions to the secretariat on further work on this issue.

⁸ European Reference Data Management System.