Intelligent Transport Systems in Inland Waterways: ongoing work and the way forward

Mr. Sim Turf, Chair of SC.3

INLAND TRANSPORT COMMITTEE

UNECE

River Information Services

- **International Inland ECDIS Standard:**
  - Commission Implementing Regulation (EU) 2018/1973 of 7 December 2018
  - UNECE Resolution No. 48 revision 4 **(adopted in 2019)**

- **International NtS Standard:**
  - Commission Implementing Regulation (EU) 2018/2032 of 20 November 2018
  - UNECE Resolution No. 80 revision 1 **(adopted in 2019)**

- **International VTT Standard:**
  - Commission Implementing Regulation (EU) 2019/838 of 20 February 2019
  - Ongoing revision of UNECE Resolution No. 63 **(to be finalized in 2020)**

- **International ERI Standard:**
  - Commission Implementing Regulation (EU) 2019/1744 of 17 September 2019
  - Revision of UNECE Resolution No. 79 **(in 2020)**

- **PIANC RIS Guidelines** – Resolution No. 58 "Guidelines and Criteria for Vessel Traffic Services on Inland Waterways" **- for 2021**

ITS in the waterway marking and traffic rules

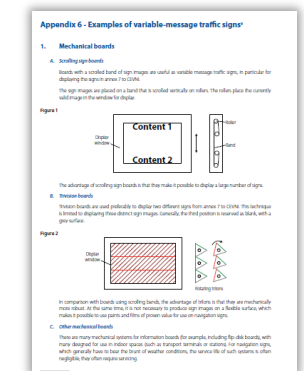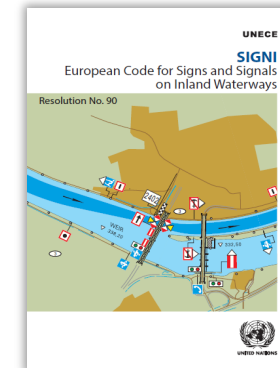- ## CEVNI:

  - Ongoing revision of Article 4.07
    Inland Automatic Identification System (AIS)
    and Electronic Chart Display and Information System
    for Inland Navigation (Inland ECDIS)

- ## SIGNI:

  - Chapter 13 - Monitoring of signs and marking by AIS Aids
    to Navigation
  - New technologies for traffic signs and lights:
    Variable-message traffic signs

Automation in inland navigation and smart shipping
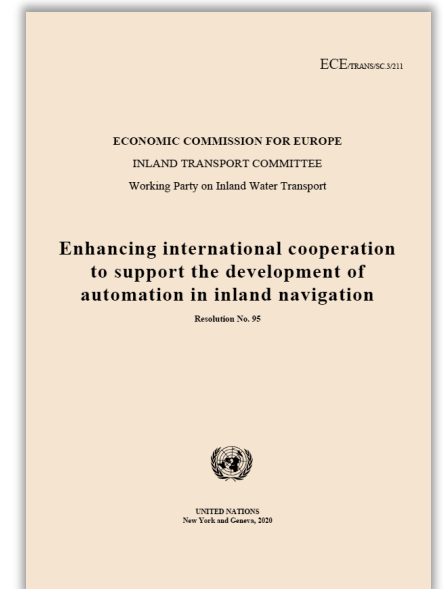
- **Regulatory work**
  - Terminology
  - Harmonization of the International Legislative Framework and Common Policy Areas to Foster Innovation

- **Resolution No. 95 "Enhancing international cooperation to support the development of automation in inland navigation" (adopted on 8 November 2019)**
  - Road map for 2020–2024 "Forging international cooperation towards an international legislative basis for automation in inland navigation"

> **Action 7: Assist governments, contribute to capacity-building and awareness-raising, organize workshops and round tables on automation in inland navigation and taking part in the United Nations Round Tables on Intelligent Transport Systems and automation of transport**

- **Workshops and round table discussions at sessions of SC.3 and SC.3/WP.3**

ECE/TRANS/SC.3/211

ECONOMIC COMMISSION FOR EUROPE
INLAND TRANSPORT COMMITTEE
Working Party on Inland Water Transport

Enhancing international cooperation to support the development of automation in inland navigation
Resolution No. 95

UNITED NATIONS
New York and Geneva, 2020

UNECE

White Paper on the Progress, Accomplishments and Future of Sustainable Inland Water Transport

- **UNECE Policy Recommendation No. 5:** Promote the development and pan-European application of RIS and other information technologies

- **UNECE Policy Recommendation No. 6:** Promote the development of automation, digitalization and other innovations in the IWT sector

- **UNECE Policy Recommendation No. 8:** Safety, security and cyber security in IWT – Countering internal and external threats to the sector

Thank you for your attention!

Sim Turf
Chair of SC.3
UNECE
26 February 2020, Geneva

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