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

Mr. Sim Turf, Chair of SC.3
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

INLAND TRANSPORT COMMITTEE

- 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

INLAND TRANSPORT COMMITTEE

• 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
• 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!

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UNECE
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