VTT Expert Group

Update of VTT standard
UNECE Resolution No. 63

13-02-2020
REGULATIONS

COMMISSION IMPLEMENTING REGULATION (EU) 2019/838
of 20 February 2019
on technical specifications for vessel tracking and tracing systems and repealing Regulation (EC)
No 415/2007

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,


Whereas:

It shall apply from 13 June 2020
Previous EU VTT Standards


Actual UNECE VTT Standard

• Resolution No. 63 International Standard for Tracking and Tracing on Inland Waterways (VTT)

Actual CCNR VTT Standards

• Standard für Schiffsverfolgung und Aufspürung in der Binnenschifffahrt, Edition 1.2; 23.4.2013
• CESNI Test Standard Inland AIS, Edition 2017/2.0
Update EU VTT Standard

Aim

• Streamlining of EU VTT Standard
• Focus on technical definition of Inland AIS mobile station
• Include only functions which are implemented into Inland AIS mobile station

Approach

• Update definitions and references: chapter 1
• Ease/shorten the general requirements: chapter 2
• Keep technical requirements unchanged: chapter 3
• Add technical requirements for AIS Class B: chapter 4
• Add technical requirements for Inland AIS AtoN: chapter 5
• Update Appendix C - Inland vessel and convoy types
Consequences

- For general requirements on VTT refer to other RIS related documents e.g. EU RIS Directive or RIS Guidelines

Inland AIS mobile station

- Technical functionality of Inland AIS mobile station remains unchanged
- ASM integrated into Inland AIS mobile station:
  - Inland ship static and voyage related data
  - Inland person on board
- Inland AIS Test standard remains unchanged
- Type approval remains valid
Consequences

ASM external / not integrated into Inland AIS mobile station
- ASM ETA/RTA, water level, EMMA warning, signal status are moved to:
  -> Inventory for harmonised Inland ASM in Europe
- New ASM will be included in the for harmonised Inland ASM in Europe

AIS Aids to Navigation (AIS AtoN) report in Inland navigation
- List of Inland Aids to Navigation (AtoN) codes for use in AIS Message 21
Harmonised Inland Application Specific Message (ASM) in European Inland navigation:
- Water levels message
- ETA/RTA
- Vertical bridge clearance message
- Signal lights message
- Maritime Geographic Notice message
- Text Message with ISRS code
- Convoy message
- Control message
- ASM capability request
- ASM capability response
Application Specific Message

Vertical bridge clearance

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AIS Aids to Navigation Report Message (AIS AtoN)

Inland AtoN Codes for Use in AIS Message 21

**Physical AtoN**
e.g. AIS AtoN station mounted on a buoy

**Virtual AtoN**
e.g. AIS base station transmitting an AtoN message on behalf of a buoy
Update UNECE Resolution No. 63
International Standard for Vessel Tracking and Tracing on Inland Waterways (VTT Standard)

Update the Resolution
- Amendments to Resolution 63
- Additions to Resolution 63

Update of AIS Test Standards at CESNI/ES-TRIN

Publish Inventory for European ASM

Publish Table of additional Inland AIS AtoN types
Thank you for your attention

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