MODERNISING THE MODEL OF VESSEL CERTIFICATE Motivations, principles and roadmap

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1. Basic functionalities of the Vessel Certificate

2. Why a New Model of Vessel Certificate?

3. Concrete examples for improvements

4. Principles endorsed by CESNI

5. Roadmap - process underway for several years



1. Basic functionalities of the Vessel Certificate

The Vessel Certificate shall ensure at least the following functionalities:

- provide accurate identification of the vessel and its technical characteristics,
- record vessel ownership (often in duplication of registration certificate),
- prove that the vessel complied with ES-TRIN during its last inspection,
- permit operation on European inland waterways (all or only some),
- provide information on the minimum crew, necessary equipment or operational restrictions,
- ensure legal certainty regarding derogations permitted by the inspection body,
- serve as reference document for inspections by control authorities.



2. Why a New Model of Vessel Certificate? (1/4)

Unflexible and outdated format

- Fixed number of pages

 entire pages / sections without entry
- Overcrowded No. 52, e.g.
 - Derogations
 - Transitional provisions
 - Data on internal combustion engines (type-approval etc.)
 - Data on on-board sewage treatment plants
 - Radar navigation installation
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Evolution of technical requirements (ES-TRIN)

- sometimes triggers need for additional entries (but not created in practice in the model)
- usually workaround via No. 52 (even more overcrowded)



2. Why a New Model of Vessel Certificate? (2/4)

- Significant experience gained by the stakeholders
 - Essential information missing on front page
 - Easy identification of vessel not possible, only number of certificate visible
 - Many certificates "improved" by hand by unauthorised persons by writing vessel name and ENI
 - Difficulty to represent conditions for different navigational zones
 - Freeboard requirements
 - Convoy formations
 - Crewing
 - Replacement of certificates' individual pages by different authorities as source of fraud and uncertainties



2. Why a New Model of Vessel Certificate? (3/4)

- Paper-based design and layout, not ready for digital documents
 - NAIADES III, Flagship 6: "A roadmap for digitalisation and automation of IWT
 - CCNR Mannheim declaration: "press ahead with development of digitalisation, [...], thereby contributing to the competitiveness, safety and sustainability of inland navigation"
 - National initiatives for the deployment of digital documents
 - Recent recast of the European Hull Data Base

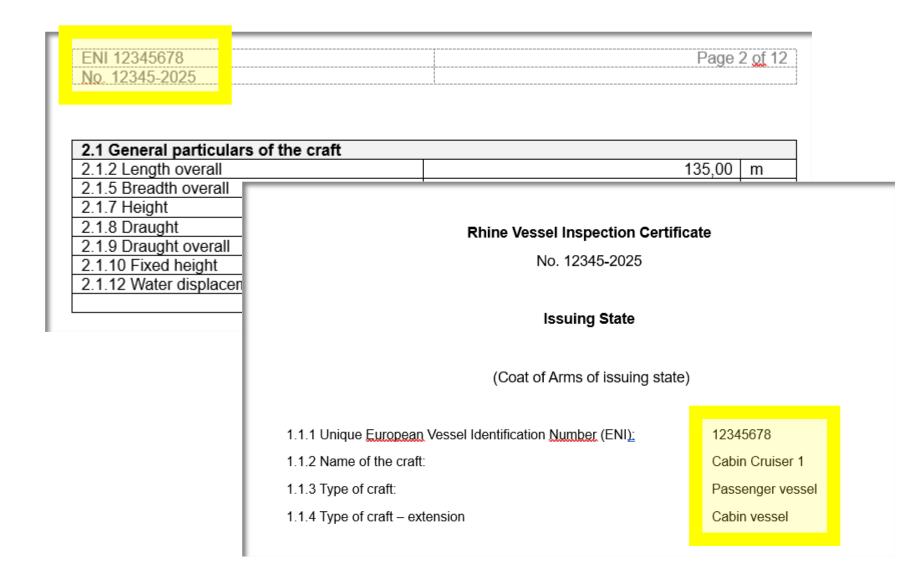


2. Why a New Model of Vessel Certificate? (4/4)

- Not very suitable for multilingual environment
 - Certificates potentially in 14 official languages (= RVIR/EU Directive)
 - Too many free text fields
 - Challenge for enforcement (e.g. one certificate with pages in different languages)
 - Challenge for renewal of certificates (loss of information)



3. Concrete examples for improvements (1/3)



- Easy identification of the craft
 - ENI, name and type of craft on the front page
 - ENI repeated on each page



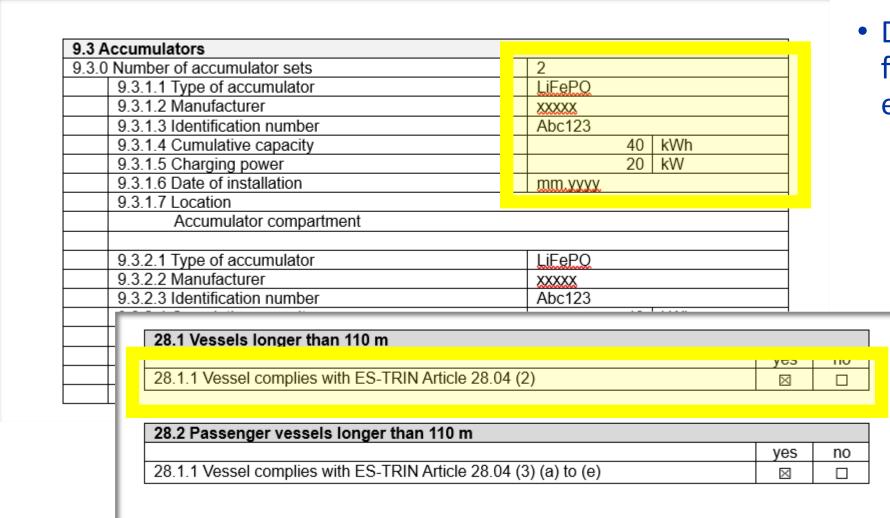
3. Concrete examples for improvements (2/3)

13.4 Life-saving equipment		Т	2	
13.4.1 Total number of <u>life-buoys</u>			3	
13.4.2 Number of life-buoys with light			2	
13.4.3 Number of life-buoys with line		1		
13.4.4 One lifejacket for every person w	ho is regularly on board	•		
			yes	
13.4.5 Ship's boat			\boxtimes	
13.5 Fire-fighting equipment				
	ers in accordance with ES-TRIN		10	
13.5 Fire-fighting equipment	ers in accordance with ES-TRIN systems engine rooms, boiler rooms			
13.5 Fire-fighting equipment 13.5.1 Number of portable fire extingui 13.5.5 Permanently installed fire-fightir				
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- Improved recording of required equipment
 - Clear legal references to reduce ambiguity where more than one set of rules is applicable (e.g. ADN)



3. Concrete examples for improvements (3/3)



- Dedicated data fields for current No. 52 entries, e.g.
 - Details for Li-Ionaccumulators
 - Compliance with requirements for craft longer than 110 m



4. Principles endorsed by CESNI

- Data driven process "beyond paper" vision
 - Certificate seen as a snapshot from a database
 - No more replacement of individual pages (e.g in case of certificate renewal)
- Modular approach (no longer a fixed number of pages) with a fixed minimum dataset common to all vessels

- Modules following structure of ES-TRIN
- Minimised need for free text (fewer linguistic issues)



5. Roadmap - process underway for several years

- 2005-2006 Review of RVIR and adoption of Directive 2006/87: First discussions on review of model of the vessel certificate
- 2018-2019 Study including a survey to collect the opinion of inspection bodies, police forces, shipowners ...
- 2020 Principles agreed at CESNI/PT level new model approached from a data-driven perspective
- 2021 Set up temporary working group (CESNI/PT/Mod)
- 2022-2025 Preparatory work within CESNI/PT/Mod to develop a list of data fields
- 2025 List of data fields approved by CESNI/PT and mandate to organise a workshop
- Sep 2025 Workshop to collect feedback from various stakeholders and establish a viable base for fine-tuning of the draft model
- From 2026
 - Final amendment for introducing the new model of certificate in ES-TRIN 2029
 - CESNI work to refine the procedures, especially the instructions ESI-I-1 in ES-TRIN.
 - Possible evolution of the legal frameworks Directive/RVIR, as well as EHDB, to allow a digital certificate
- Jan 2030 Entry into force of the new model (ES-TRIN 2029)



THANK YOU FOR YOUR ATTENTION!

CESNI website: https://www.cesni.eu/