

CESNI/TI

CESNI in the Field of Information Technology

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Vice-Chair of CESNI/TI



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01 Introduction

Brian Vrijaldenhoven

Senior advisor in Vessel Traffic Management (RWS)

- *Vice Chair of CESNI/TI*
- *Chair of CESNI/TI/ERI*
- *Member of CCNR RIS/G (delegation leader)*
- *Responsible for BICS (reporting software)*



01 CESNI



**European Committee
for drawing up standards in the field of inland
navigation**

(Comité Européen pour l'Élaboration de Standards dans le Domaine de Navigation Intérieure – CESNI)

The purpose of the committee is to bring together experts from the Member States of the European Union and the CCNR and representatives of international organisations with an interest in inland navigation.



European Committee for drawing up standards in the field of inland navigation

(Comité Européen pour l'Élaboration de Standards dans le Domaine de Navigation Intérieure – CESNI)

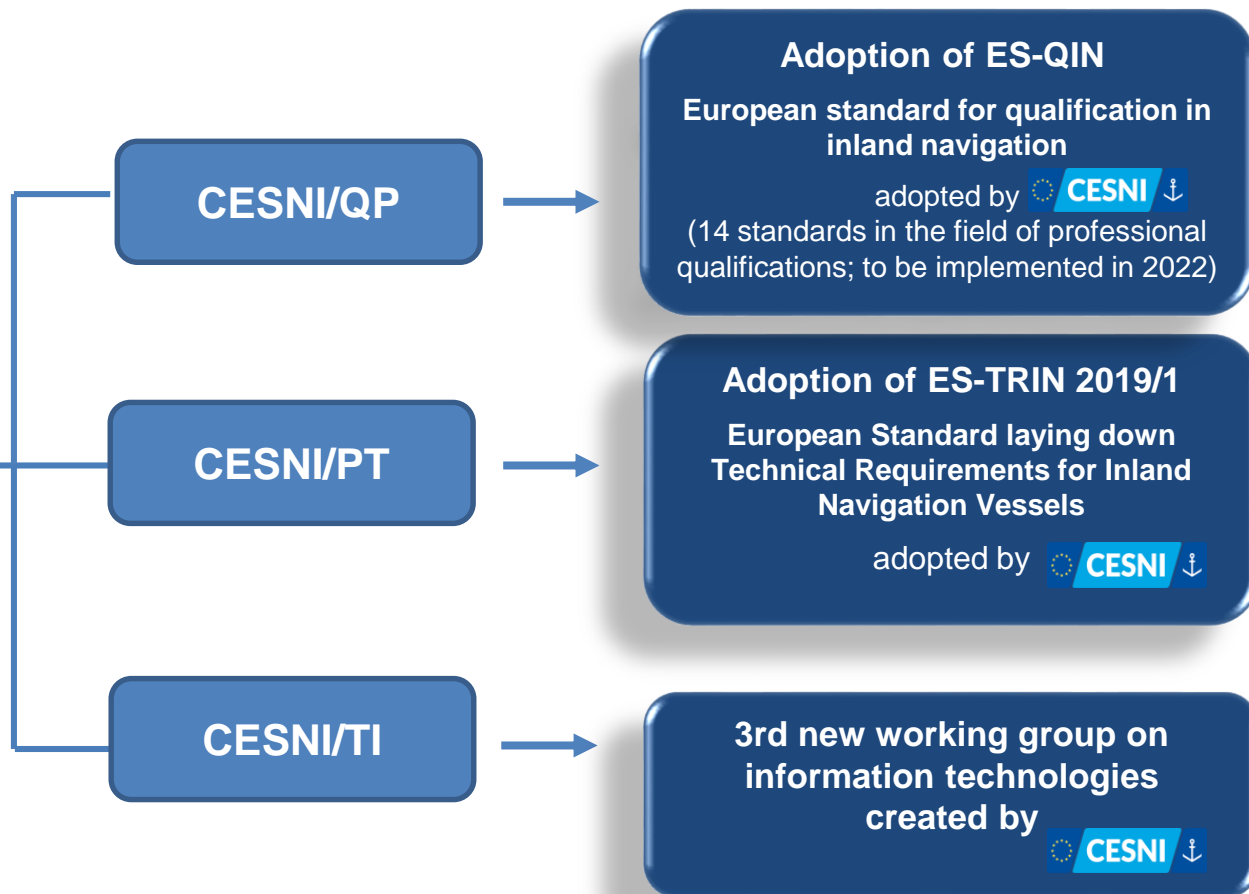
Missions of CESNI

The European Committee for drawing up standards in the field of inland navigation shall have the following missions in particular:

- adopting technical standards in various fields, in particular as regards vessels, information technology and crew to which the respective regulations at the European and international level, including the European Union and the CCNR, will refer with a view to their application,
- deliberating on the uniform interpretation and application of the said standards, on the method for applying and implementing the corresponding procedures, on procedures for exchanging information, and on the supervisory mechanisms among the Member States;
- deliberating on derogations and equivalences of technical requirements for a specific craft;
- deliberating on priority topics regarding safety of navigation, protection of the environment, and other areas of inland navigation.



**European
Committee
for drawing up
standards in the
field of inland
navigation**



02

CESNI/TI



Resolution CESNI 2018-II-16 Missions of CESNI/IT



Developing technical standards

- proposals for development and revision of technical standards in the field of IT, in particular for RIS
- including proposals for revision of standards made mandatory by EU regulations



Promoting the proper implementation of standards

- in the field of RIS and other areas of information technologies;



Providing advice and analysis

- on information technology standards including RIS
- in particular to support policy initiatives on digital instruments in inland navigation and the gradual introduction of electronic documents

Resolution CESNI 2018-II-16 Creation of a permanent Working Group in the field of information technologies (CESNI/TI)

CESNI/TI

RIS Expert Groups continue as temporary Working Groups

CESNI/TI/ERI

RISERI 

CESNI/TI/VTT

RISVTT 

CESNI/TI/ECDIS

RISECDIS 

CESNI/TI/NtS

RISNTS 

Tasks of CESNI/TI

CESNI/TI shall **prepare and adopt standards** in the field of information technologies, considering actively:

- the regular revisions, in order to maintain and guarantee the high level of safety in inland navigation and to follow the technical evolution,
- the development of voluntary standards, as long as EU legislations and the related implementing regulations and the Rhine regulations will not be amended to foresee references to standards adopted by CESNI.

Tasks of CESNI/TI

CESNI/TI shall **support proper implementation of standards** in the field of RIS and in other fields of information technologies, including:

- maintenance of quality standards,
- preparation of explanatory notices for the major standards or amendments.

Tasks of CESNI/TI

CESNI/TI shall provide **advice and analysis** on information technologies standards (including RIS), in particular to support policy initiatives on digital tools in inland navigation (crew, vessels & infrastructure) and gradual introduction of electronic documents.

CESNI/TI and Smart Shipping

In close cooperation with the working groups CESNI/PT and CESNI/QP, collect experience gained with pilot projects for automation of inland navigation and the possible regulatory needs

Undertake analysis and develop recommendations regarding cyber-risks and other safety risks for IT applications in inland navigation and provide proposals for concrete mitigation measures

Provide advice and analysis to support policy initiatives on digital tools in inland navigation

Thank you for your attention!

More information: www.cesni.eu

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