



Ministry of Infrastructure
and Water Management

New fuels for inland navigation

Legal challenges

13 September 2018



International legislation

Central Commission for Navigation on the Rhine

- Rhine Vessels Inspection Regulation (rules of procedure)
- For technical provisions the RVIR refers to ES-TRIN

European Union

- Directive EU/2016/1629 (rules of procedure)
- For technical provisions the directive refers to ES-TRIN





A vessel requires either:

- A Certificate of Investigation (RVIR), or
- A Union Inland Navigation Certificate (EU)

...to demonstrate the vessel complies with all the technical requirements laid down in ES-TRIN.



ES-TRIN

- European Standard laying down Technical Requirements for Inland Navigation vessels
- Maintained by CESNI (Comité Européen pour l'Élaboration de Standard dans le domaine de Navigation Intérieure)
- Legal basis in both RVIR and directive EU/2016/1629
- Member states implement ES-TRIN in national law

European Committee for drawing up Standards in the field of Inland Navigation (CESNI)
European Standard laying down technical requirements
for Inland Navigation vessels (ES-TRIN)

European Committee for drawing up Standards in the field of Inland Navigation
(CESNI)

Edition 2017/1

**European Standard
laying down
Technical Requirements
for
Inland Navigation vessels**
(ES-TRIN)

Edition 2017/1



ES-TRIN article 8.01 (3)

Only internal-combustion engines burning fuels having a flashpoint of more than 55 °C may be installed



Flashpoint



-188 °C



???



11 °C



Important notices

Possibilities for international derogations:

- Equivalent level of safety
- Adequate level of safety for new technology (limited period of time)

Be sure to involve national competent authority in due time!!



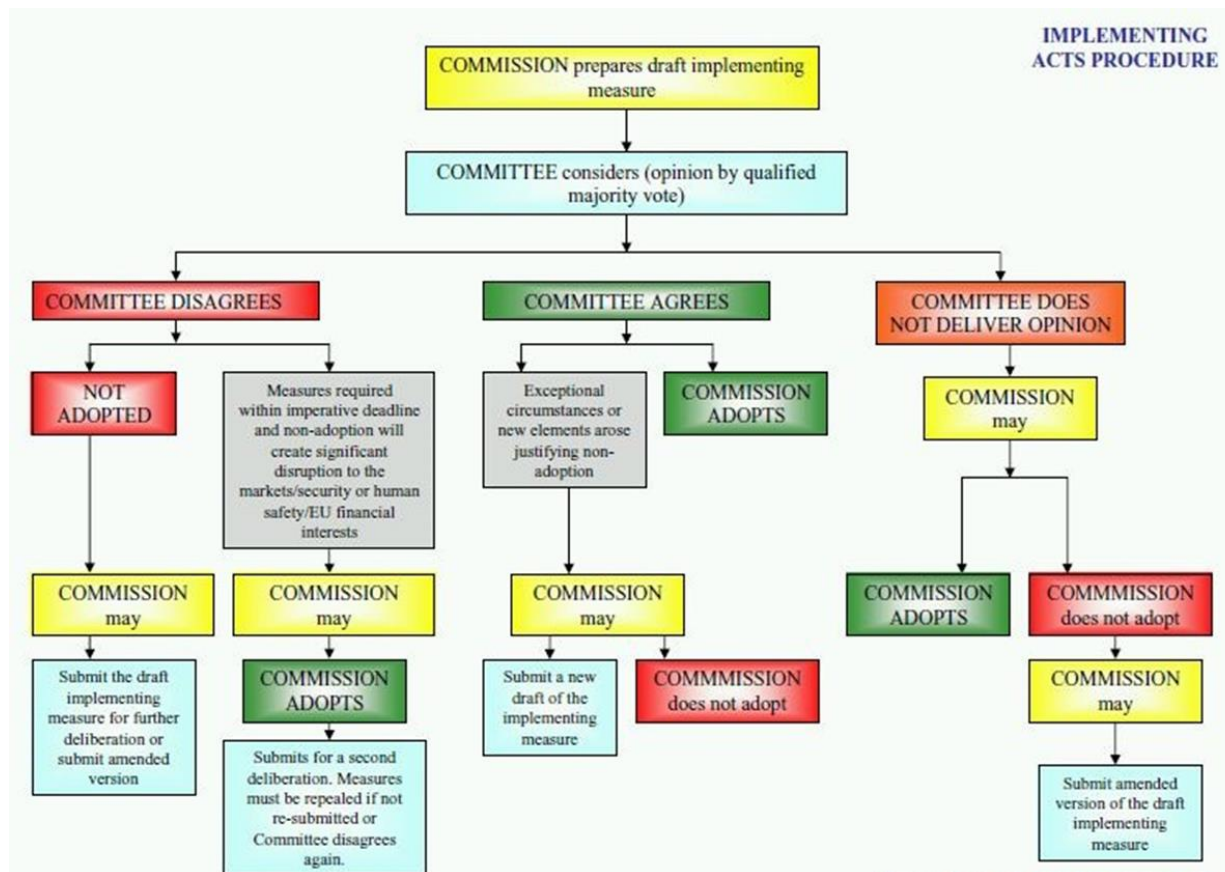


Procedure for derogation

- For issuing a Certificate of Investigation, a derogation requires a decision by the competent CCNR working group.
- For issuing a Union Inland Navigation Certificate, a derogation requires a decision by the competent working group of CESNI **and an implementing act by the European Commission.**

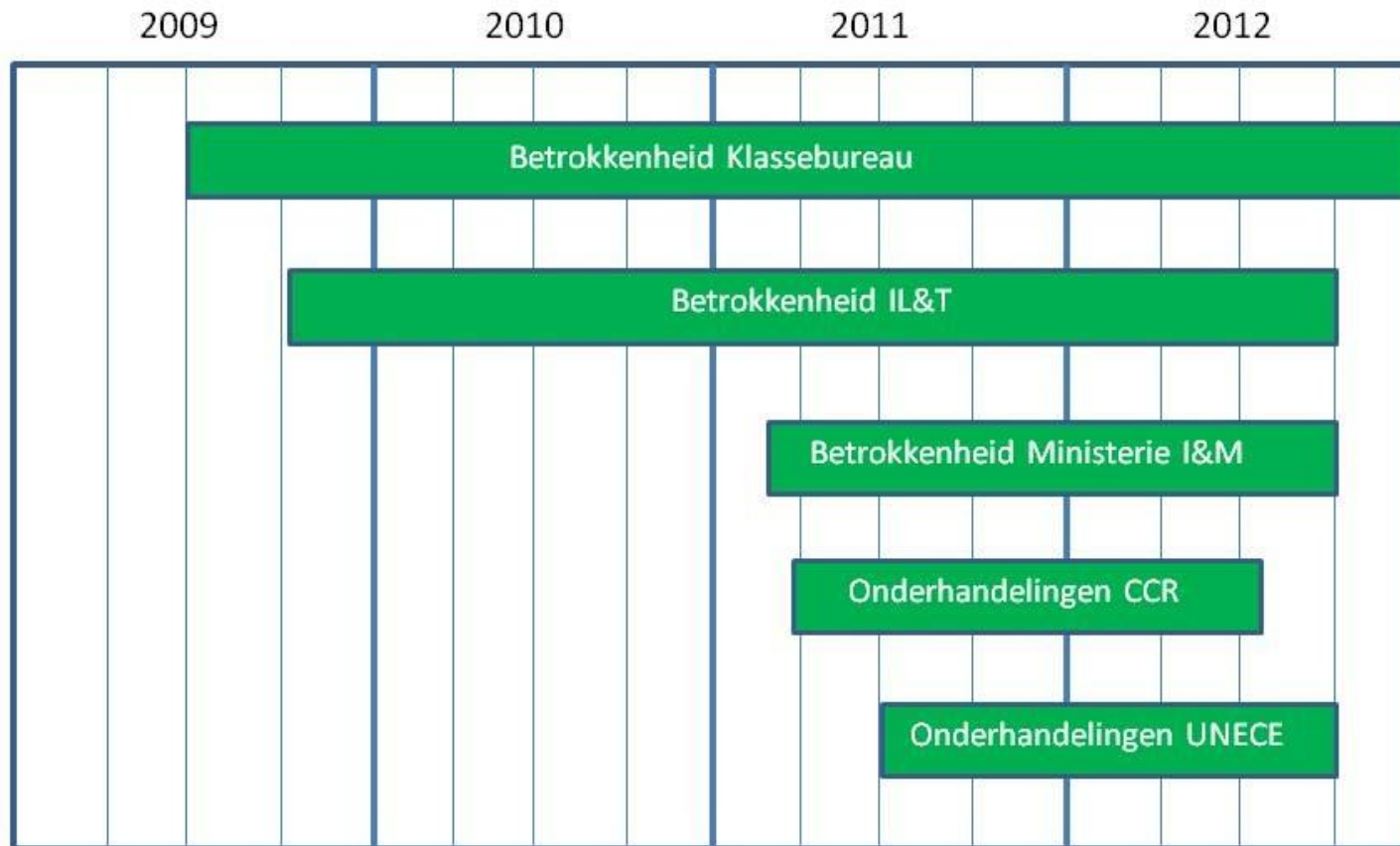


Implementing act procedure





Procedure first LNG powered vessel (Argonon)





Route to admission of new fuel

- First vessels to use new fuel type, apply for derogation with either CCNR or EU.
- CCNR or EU determine the (safety) conditions for granting the derogation.
- When derogation is granted, annual reports to CCNR or EU.
- When new technology proves to be successful, regulations are established. (For LNG already in force).
- First derogations for methanol fuel cells granted by CESNI/PT. EU will launch implementing act procedure.