

**Minimum requirements
for devices for displaying
electronic charts for inland navigation
with a view to using Inland AIS data
on board vessels**

Note from the Secretariat:

This document has been adopted in the three working languages of the CCNR (French, German, Dutch) during its Plenary Session of spring 2021 (Resolution 2021-I-12)

It has been translated into English for information purposes only.

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FOREWORD

CCNR passed resolution 2013-II-16 making it compulsory to possess and use the Inland AIS with effect from 1st December 2014.

The introduction¹ of Inland AIS was accompanied simultaneously by the obligation to use ECDIS devices in information mode or a comparable device for displaying electronic charts for inland navigation on board vessels. The Inland AIS device must be connected to the ECDIS device in information mode² or to the comparable device for displaying electronic charts for inland navigation and an up-to-date electronic chart for inland navigation must be used.

This document lays down the minimum requirements regarding comparable device for displaying electronic charts for inland navigation with a view to using Inland AIS data on board vessels.

It also makes recommendations helping to improve the accuracy and clarity and thus reliability with which Inland AIS data are displayed. By their very nature, these recommendations are not mandatory, but the CCNR does nonetheless recommend that they be adhered to in the same way as the mandatory minimum requirements.

For the purpose of identifying minimum requirements and fundamental recommendations, the following on-board equipment is considered in the sections below:

- a) electronic charts for inland navigation,
- b) devices for displaying electronic charts for inland navigation,
- c) the software for displaying electronic charts inland navigation.

It should be noted that, if appropriate, the competent authorities may lay down additional requirements beyond the minimum requirements for *special functions*.

Comment:

The ES-RIS is the European standard for river information services, as mentioned in Article 1.01(a) of the Rhine Police Regulations. Application of the ES-RIS requires a Member State to be one of the Rhine riparian States or Belgium.

¹ Except for ferries.

² The Inland ECDIS standard differentiates between information mode and navigation mode.
Information mode means the use of the Inland ECDIS for information purposes only, without overlaid radar image.
Navigation mode means the use of the Inland ECDIS for conning the vessel, with overlaid radar image.

1. Minimum requirements and recommendations for electronic charts for inland navigation in use

Minimum requirements:

- Electronic charts for inland navigation must accurately replicate the contours of the river and the navigable channel and must be based on the official inland navigation electronic charts.
- Electronic charts for inland navigation must be saved in the device for displaying electronic charts for inland navigation on board the vessel.

Recommendation:

- It is recommended that the most recent ENC¹ be used.

2. Minimum requirements and recommendations for devices displaying electronic charts for inland navigation

Minimum requirements:

- Electronic devices for displaying electronic charts for inland navigation must be connected to the Inland AIS device by a reliable cable connection.
- When the vessel is underway, devices must be exclusively dedicated to displaying electronic inland navigation charts.
- The information displayed must be readily visible from the conning position.

Recommendations:

- The electronic device for displaying electronic charts for inland navigation should comply with the navigation mode requirements of the Inland ECDIS standard in Part I of the ES-RIS.
- If the vessel is equipped with an Inland ECDIS device in navigation mode it is recommended that an additional and separate device be used for displaying electronic charts for inland navigation.

3. Minimum requirements and recommendations for electronic chart display software for inland navigation

Minimum requirements:

- The software must display the vessel's current and correct position on the electronic chart for inland navigation.
- The software must display on the electronic chart for inland navigation the other vessel's current and correct position.
- For a given vessel, the software must display the detailed list of AIS information in accordance with Article 4.07(4) of the Police Regulations for the Navigation of the Rhine.

Recommendations:

- The electronic chart display software for inland navigation should comply with the Inland ECDIS navigation mode requirements in part I of the ES-RIS.
- When no heading is available, the electronic chart display software for inland navigation should orientate the chart such that the vessel follows the axis of the waterway.

¹ ENC: Electronic Navigational Chart