

**Minimum requirements**

**for Inland ECDIS devices  
in information mode  
and comparable chart display devices**

**for using Inland AIS data  
on board**

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 2014 (Resolution 2014-I-12).

It has been translated into English for information purposes only.



## SUMMARY

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## FOREWORD

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

The introduction of Inland AIS will be accompanied simultaneously by the obligation to use ECDIS devices in information mode or a comparable chart display device<sup>1</sup>. The Inland AIS device must be connected to the ECDIS device in information mode<sup>2</sup> or to the comparable chart display device and an up-to-date electronic chart for inland navigation must be used.

This document lays down the minimum requirements regarding electronic chart display systems 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:

When this document uses the expression “electronic chart display system” it is referring either to:

- an Inland ECDIS device in information mode
- or a comparable device for displaying electronic charts.

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<sup>1</sup> Except for ferries.

<sup>2</sup> 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 display system on board the vessel.

Recommendation:

- It is recommended that the most recent ENC<sup>3</sup> be used.

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

Minimum requirements:

- Electronic chart display devices 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 chart display system should comply with the requirements of the Inland ECDIS system for navigation mode.
- If the vessel is equipped with an Inland ECDIS device in navigation mode it is recommended that an additional and separate electronic chart display system be used for information mode.

## **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 current Inland ECDIS navigation mode requirements.
- The electronic chart display software for inland navigation should orientate the chart such that the vessel follows the axis of the waterway.

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<sup>3</sup> ENC: Electronic Navigational Chart