

# CCS Technical Information

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To: Relevant shipowners, ship management companies, shipyards and designers, related departments of the Headquarters of CCS, the Society's surveyors, Plan Approval Centers,

Technical notice on MSC.466(101) issued by IMO to amend the performance standards for the presentation of navigation-related information on shipborne navigational displays ( MSC.191(79))

## 1. Background

The Maritime Safety Committee of International Maritime Organization (IMO), at its 101st session in 14 June 2019, adopted amendments to the performance standards for the presentation of navigation-related information on shipborne navigational displays (Resolution MSC.191(79)) by means of Resolution MSC.466(101).

This resolution is to be applied to shipborne navigational displays on the bridge of a ship for radar equipment, electronic chart display and information systems (ECDIS) and integrated navigation systems (INS) installed on or after 1 January 2024 and all other navigational displays on the bridge of a ship installed on or after 1 July 2025.

## 2. Main contents

Section 5 of MSC.191(79) on General requirements for the presentation of information are revised as follows:

(1) The existing paragraph 5.1.1 is replaced with the following:

"5.1.1 The presentation of information should be consistent with respect to screen layout and arrangement of information. Data and control functions should be logically grouped. Appendix 3 of the annex to MSC.1/Circ.1609 on Guidelines for the

standardization of user interface design for navigation equipment defines groups of related navigational information. Priority of information should be identified for each application, permanently displayed and presented to the user in a prominent manner by, for example, use of position, size and colour."

(2) The existing paragraphs 5.2.3 and 5.2.4 are replaced with the following:

"5.2.3 Text should be presented using simple unambiguous language that is easy to understand. Navigation terms and abbreviations should be presented using the nomenclature defined in the Guidelines for the presentation of navigation-related symbols, terms and abbreviations (SN.1/Circ.243, as revised) and appendix 2 of the annex to MSC.1/Circ.1609 on Guidelines for the standardization of user interface design for navigation equipment.

5.2.4 When icons are used, their purpose should be intuitively recognized by appearance, placement and grouping as defined in appendix 2 of the annex to MSC.1/Circ.1609 on Guidelines for the standardization of user interface design for navigation equipment."

MSC.466(101) is provided in the annex. This technical notice is made public on CCS website ([www.ccs.org.cn](http://www.ccs.org.cn)), and is to be distributed to relevant ship owners, product manufacturers and shipping management companies etc. by CCS branches within their responsible areas. Please contact Technology & Information Department of CCS ([ti@ccs.org.cn](mailto:ti@ccs.org.cn)) for any inquiry in the implementation.

Annex: MSC.466(101) — Amendments to the performance standards for the presentation of navigation-related information on shipborne navigational displays (Resolution MSC.191(79))