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Maritime navigation and radiocommunication equipment and systems – Shipborne radar – Performance requirements, methods of testing and required test results

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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FOREWORD

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International Standard IEC 62388 has been prepared by IEC technical committee 80: Maritime navigation and radiocommunication equipment and systems.

This second edition cancels and replaces the first edition published in 2007. This edition constitutes a technical revision.

The main changes with respect to the previous edition are:

– in 6.2 (Transmission and interference) reference is now made to a revised Annex B (Unwanted emmisions) where the mask has been tightened from 20 dB/decade to 30 dB/decade in line with ITU requirements and a new informative Annex J has been added concerning interference from emissions in adjacent frequency bands;

– Clause 7 (Display presentation) has been simplified (and the previous Annexes J and K deleted) with reference made instead to IEC 62288 with associated changes throughout the standard;

– in 9.9.2 (PI lines and positioning) the requirements for parallel index lines have been revised;

– in 10.4.4 (Display orientation) a new mode of display orientation “head-up stabilised” has been added;

– in 11.5 (Automatic identification system) new requirements and tests have been added for types of AIS targets, AIS repeater stations and filtering of AIS targets;

– in Clause 12 (Chart radar) a new subclause 12.3 has been added for ECDIS backup requirements;

– in Clause 13 (Ergonomic criteria) a new subclause 13.5 has been added giving requirements for default control settings;

– 14.3 (Output interfacing) has been revised together with the associated Annex H to update the requirements particularly with regard to interfaces to the VDR;

– Clause 16 (Alerts and failures) has been revised to update the requirements to align with bridge alert management and new requirements added for an alert management interface with associated changes throughout the standard;

– in Clause 18 (Equipment familiarisation and documentation) a new subclause 18.3 has been added for maintenance information and equipment update.

The text of this standard is based on the following documents:

FDIS	Report on voting
80/696/FDIS	80/705/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

All the text in this standard with wording identical to that in IMO resolutions is printed in italics. Reference to MSC.192(79) is by the relevant requirement clause as indicated in brackets, for example (MSC.192/4.2.3). Some clauses from Resolution MSC.192(79) may be split and the requirements in this case are addressed separately.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.