

SLOVENSKI STANDARD

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Pomorska navigacijska in radiokomunikacijska oprema in sistemi - Sistemi za avtomatično identifikacijo (AIS) - 2. del: Postaje AIS AtoN (pomoč pri navigaciji) - Minimalne zahteve za delovanje in lastnosti, preskusne metode in zahtevani rezultati preskušanja (IEC 62320-2:2016)

Maritime navigation and radiocommunication equipment and systems - Automatic identification system (AIS) - Part 2: AIS AtoN Stations - Operational and performance requirements, methods of testing and required test results (IEC 62320-2:2016)

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Navigations- und Funkkommunikationsgeräte und -systeme für die Seeschifffahrt - Automatische Identifikationssysteme (AIS) - Teil 2: AIS-AtoN-Stationen - Mindest-Betriebs- und -Leistungsanforderungen, Prüfverfahren und geforderte Prüfergebnisse (IEC 62320-2:2016)

Equipements et systèmes de navigation et de radiocommunication maritimes - Systèmes d'identification automatique (AIS) - Partie 2: Stations AIS AtoN Exigences minimales opérationnelles et de performance, méthodes de mesure et résultats de test minimum attendus (IEC 62320-2:2016)

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oprema

Navigation and control
equipment

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**Maritime navigation and radiocommunication equipment and
systems - Automatic identification system (AIS) -
Part 2: AIS AtoN Stations - Operational and performance
requirements, methods of testing and required test results
(IEC 62320-2:2016)**

Equipements et systèmes de navigation et de
radiocommunication maritimes - Systèmes d'identification
automatique (AIS) - Partie 2: Stations AIS AtoN Exigences
minimales opérationnelles et de performance, méthodes de
mesure et résultats de test minimum attendus
(IEC 62320-2:2016)

Navigations- und Funkkommunikationsgeräte und -systeme
für die Seeschifffahrt - Automatische Identifikationssysteme
(AIS) - Teil 2: AIS-AtoN-Stationen - Betriebs- und
Leistungsanforderungen, Prüfverfahren und geforderte
Prüfergebnisse
(IEC 62320-2:2016)

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Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

EN 62320-2:2017**European foreword**

The text of document 80/817/FDIS, future edition 2 of IEC 62320-2, prepared by IEC/TC 80 "Maritime navigation and radiocommunication equipment and systems" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62320-2:2017.

The following dates are fixed:

- latest date by which the document has to be (dop) 2017-09-05
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publication of an identical national
standard or by endorsement
- latest date by which the national (dow) 2019-12-05
standards conflicting with the
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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 61162-1	NOTE	Harmonized as EN 61162-1.
IEC 61162-2	NOTE	Harmonized as EN 61162-2.
IEC 61162-460	NOTE	Harmonized as EN 61162-460.
IEC 61993-2	NOTE	Harmonized as EN 61993-2.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60945	-	Maritime navigation and radiocommunication equipment and systems - General requirements - Methods of testing and required test results	EN 60945	-
IEC 61108	Series	Maritime navigation and radiocommunication equipment and systems - Global navigation satellite systems (GNSS)	EN 61108	Series
IEC 62287-1	-	Maritime navigation and radiocommunication equipment and systems - Class B shipborne equipment of the automatic identification system (AIS) - Part 1: Carrier-sense time division multiple access (CSTDMA) techniques	EN 62287-1	-
IEC 62320-3	2015	Maritime navigation and radiocommunication equipment and systems - Automatic identification systems (AIS) - Part 3: AIS Simplex Repeater Station - Minimum operational and performance requirements, methods of testing and required test results	EN 62320-3	2015
ITU Radio Regulations, Appendix 18	-	Table of transmitting frequencies in the VHF maritime mobile band	-	-
ITU-R Recommendation M.1371-5	2014	Technical characteristics for an automatic identification system using time-division multiple access in the VHF maritime mobile band	-	-
IALA Recommendation A-126	-	The use of Automatic Identification System (AIS) in Marine Aids to Navigation	-	-

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INTERNATIONAL STANDARD



**Maritime navigation and radiocommunication equipment and systems –
Automatic identification system (AIS) –
Part 2: AIS AtoN Stations – Operational and performance requirements, methods
of testing and required test results**

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**MARITIME NAVIGATION AND RADIOCOMMUNICATION EQUIPMENT
AND SYSTEMS – AUTOMATIC IDENTIFICATION SYSTEM (AIS) –****Part 2: AIS AtoN Stations – Operational and performance
requirements, methods of testing and required test results**

FOREWORD

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International Standard IEC 62320-2 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 2008, and constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- additional cyber security measures;
- updated description of configuration via VDL;
- updated VDL access scheme requirements;
- new PI sentences and VDL message structures with added description for optional TAG blocks;

- added requirement for at least one standard method for configuration using Standard PI sentences;
- updated test methods and updated Annexes.

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

FDIS	Report on voting
80/817/FDIS	80/822/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.

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

A list of all parts in the IEC 62320 series, published under the general title *Maritime navigation and radiocommunication equipment and systems – Automatic identification system (AIS)*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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