



**SLOVENSKI STANDARD**  
**SIST EN 61162-3:2008/A2:2014**  
**01-november-2014**

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**Pomorska navigacijska in radiokomunikacijska oprema in sistemi - Digitalni vmesniki - 3. del: Instrumentno omrežje s serijskimi podatki - Dopolnilo A2 (IEC 61162-3:2008/A2:2014)**

Maritime navigation and radiocommunication equipment and systems - Digital interfaces -- Part 3: Serial data instrument network

Navigations- und Funkkommunikationsgeräte und -systeme für die Seeschifffahrt - Digitale Schnittstellen - Teil 3: Seriellles Dateninstrumentenetz

Matériels et systèmes de navigation et de radiocommunication maritimes - Interfaces numériques - Partie 3: Réseau par liaison de données série d'instruments

**Ta slovenski standard je istoveten z: EN 61162-3:2008/A2:2014**

**ICS:**

33.060.01	Radijske komunikacije na splošno	Radiocommunications in general
47.020.70	Navigacijska in krmilna oprema	Navigation and control equipment

**SIST EN 61162-3:2008/A2:2014** en

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EUROPEAN STANDARD

EN 61162-3:2008/A2

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2014

ICS 47.020.70

English Version

Maritime navigation and radiocommunication equipment and  
systems - Digital interfaces - Part 3: Serial data instrument  
network  
(IEC 61162-3:2008/A2:2014)

Matériels et systèmes de navigation et de  
radiocommunication maritimes - Interfaces numériques -  
Partie 3: Réseau par liaison de données série d'instruments  
(CEI 61162-3:2008/A2:2014)

Navigations- und Funkkommunikationsgeräte und -systeme  
für die Seeschifffahrt - Digitale Schnittstellen -  
Teil 3: Serielles Dateninstrumentenetz  
(IEC 61162-3:2008/A2:2014)

This amendment A2 modifies the European Standard EN 61162-3:2008; it was approved by CENELEC on 2014-08-25. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

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

## Foreword

The text of document 80/714/CDV, future IEC 61162-3:2008/A2, 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 61162-3:2008/A2:2014.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2015-05-25
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-08-25

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

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The text of the International Standard IEC 61162-3:2008/A2:2014 was approved by CENELEC as a European Standard without any modification.

## 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](http://www.cenelec.eu).

*Replace the existing reference to NMEA 2000, Main document, Version 1.200: October 2004 by:*

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
NMEA 2000, Main Document, Version 1.210	2013	Serial-Data Networking of Marine Electronic Devices	-	-

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*Replace the existing reference to NMEA 2000, Appendix A, version 1.200: October 2004 by:*

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
NMEA 2000, Appendix A, Version 2.000	2013	Serial-Data Networking of Marine Electronic Devices - Application Layer (Parameter Group Definitions)	-	-

*Replace the existing reference to NMEA 2000, Appendix B, Version 1.300: May 2009 by:*

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
NMEA 2000, Appendix B, Version 2.000	2013	Serial-Data Networking of Marine Electronic Devices - Database	-	-

*Replace the existing reference to NMEA 2000, Appendix D, Version 1.200: October 2004 by:*

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
NMEA 2000, Appendix D, Version 1.210	2013	Serial-Data Networking of Marine Electronic Devices - Application Notes	-	-

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IEC 61162-3

Edition 1.0 2014-07

# INTERNATIONAL STANDARD

AMENDMENT 2

**Maritime navigation and radiocommunication equipment and systems –  
Digital interfaces –  
Part 3: Serial data instrument network**

[SIST EN 61162-3:2008/A2:2014](https://standards.iteh.ai/catalog/standards/sist/52762150-2d47-4a49-b801-9171a85f14a3/sist-en-61162-3-2008-a2-2014)

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b801-9171a85f14a3/sist-en-61162-3-2008-a2-2014](https://standards.iteh.ai/catalog/standards/sist/52762150-2d47-4a49-b801-9171a85f14a3/sist-en-61162-3-2008-a2-2014)

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ICS 47.020.70

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**Warning! Make sure that you obtained this publication from an authorized distributor.**

## FOREWORD

This amendment has been prepared by IEC technical committee 80: Maritime navigation and radiocommunication equipment and systems.

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

CDV	Report on voting
80/714/CDV	80/734/RVC

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

The committee has decided that the contents of this amendment and the base 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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A bilingual version of this publication may be issued at a later date.

SIST EN 61162-3:2008/A2:2014

<https://standards.iteh.ai/catalog/standards/sist/52762150-2d47-4a49-b801-9171a85f14a3/sist-en-61162-3-2008-a2-2014>

## INTRODUCTION to Amendment 2

The amendment updates the normative references for NMEA 2000 Main Document, NMEA 2000 Appendix A and NMEA 2000 Appendix D to a later version.

The amendment further updates the normative reference for NMEA 2000 Appendix B to a later version which includes the following new parameter groups:

- 126983 – Alert
- 126984 – Alert response
- 129041 – AIS Aids to Navigation (AtoN) report
- 130316 – Temperature- extended range

and the following revised parameter groups:

- 126992 – System time
- 128259 – Speed, water referenced
- 128267 – Water depth
- 129285 – Navigation – Route/WP information
- 129033 – Time and date
- 129038 – AIS Class A position report



- 129039 – AIS Class B position report
- 129040 – AIS Class B extended position report
- 129550 – GNSS differential correction receiver
- 129793 – AIS UTC and date report
- 129794 – AIS Class A static and voyage related data
- 129796 – AIS acknowledge
- 129798 – AIS SAR aircraft position report
- 129800 – AIS UTC/date inquiry
- 129801 – AIS addressed safety related message
- 129802 – AIS safety related broadcast message
- 129803 – AIS interrogation
- 129804 – AIS assignment mode command
- 129805 – AIS data link management message
- 129806 – AIS channel management
- 129807 – AIS group assignment
- 129809 – AIS Class B “CS” static data report, Part A
- 129810 – AIS Class B “CS” static data report, Part B

The amendment further adds a new informative Annex B which shows the relationships between IEC 61162-1 sentences and IEC 61162-3 parameter group numbers.

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[SIST EN 61162-3:2008/A2:2014](https://standards.iteh.ai/catalog/standards/sist/52762150-2d47-4a49-b801-9171a85f14a3/sist-en-61162-3-2008-a2-2014)

## 1 Scope

<https://standards.iteh.ai/catalog/standards/sist/52762150-2d47-4a49-b801-9171a85f14a3/sist-en-61162-3-2008-a2-2014>

*Add, at the end of the scope, the following new paragraph:*

Relationships between IEC 61162-1 sentences and IEC 61162-3 parameter group numbers are given in Annex B.

## 2 Normative references

*Replace the existing reference, NMEA 2000 Main document, Version 1.200: October 2004, by the following:*

NMEA 2000 Main document, Version 1.210: January 2013, *Serial-Data Networking Of Marine Electronic Devices*<sup>1</sup>

*Replace the existing reference, NMEA 2000, Appendix A, Version 1.200: October 2004, by the following:*

NMEA 2000, Appendix A, Version 2.000: January 2013, *Serial-Data Networking Of Marine Electronic Devices – Application Layer (Parameter Group Definitions)*

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<sup>1</sup> Available from National Marine Electronics Association (USA), [www.nmea.org](http://www.nmea.org).