

STN	Námorné navigačné a rádiokomunikačné zariadenia a systémy Digitálne rozhrania Časť 460: Mnohonásobné vysielajúce údaje a mnohonásobné prijímače údajov Ethernetové prepojenie Bezpečnosť a ochrana Zmena A1	STN EN IEC 61162-460/A1 32 6790
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Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 460: Multiple talkers and multiple listeners - Ethernet interconnection - Safety and security

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 07/20

STN EN IEC 61162-460 z januára 2019 sa bez tejto zmeny A1 môže používať do 24. 2. 2023.

Obsahuje: EN IEC 61162-460:2018/A1:2020, IEC 61162-460:2018/AMD1:2020

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EUROPEAN STANDARD

EN IEC 61162-460:2018/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2020

ICS 47.020.70

English Version

Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 460: Multiple talkers and multiple listeners - Ethernet interconnection - Safety and security (IEC 61162-460:2018/A1:2020)

Matériels et systèmes de navigation et de radiocommunication maritimes - Interfaces numériques - Partie 460: Émetteurs multiples et récepteurs multiples - Interconnexion Ethernet - Sécurité et sécurité (IEC 61162-460:2018/A1:2020)

Navigations- und Funkkommunikationsgeräte und -systeme für die Seeschifffahrt - Digitale Schnittstellen - Teil 460: Mehrere Datensender und mehrere Datenempfänger - Ethernet-Verbund - Funktionale und Informationssicherheit (IEC 61162-460:2018/A1:2020)

This amendment A1 modifies the European Standard EN IEC 61162-460:2018; it was approved by CENELEC on 2020-02-24. 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.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 61162-460:2018/A1:2020 (E)**European foreword**

The text of document 80/943/FDIS, future IEC 61162-460/A1, 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 IEC 61162-460:2018/A1:2020.

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) 2020-11-24
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-02-24

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Endorsement notice

The text of the International Standard IEC 61162-460:2018/A1:2020 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 61924-2:2012	NOTE	Harmonized as EN 61924-2:2013 (not modified)
IEC 62288:2014	NOTE	Harmonized as EN 62288:2014 (not modified)

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where 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.

This Annex ZA replaces the Annex ZA of EN IEC 61162-460:2018.

<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 61162-460	2018	Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 460: Multiple talkers and multiple listeners - Ethernet interconnection - Safety and security	EN IEC 61162-460	2018
IEC 62923-1	-	Maritime navigation and radiocommunication equipment and systems - Bridge alert management - Part 1: Operational and performance requirements, methods of testing and required test results	EN IEC 62923-1	-
IEC 62923-2	-	Maritime navigation and radiocommunication equipment and systems - Bridge alert management - Part 2: Alert and cluster identifiers and other additional features	EN IEC 62923-2	-
IEEE 802.1D	2004	IEEE Standard for local and metropolitan area networks - Media Access Control (MAC) Bridges	-	-
IEEE 802.1Q	-	IEEE Standard for Local and metropolitan area networks - Bridges and Bridged Networks	-	-



IEC 61162-460

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

**Maritime navigation and radiocommunication equipment and systems – Digital interfaces –
Part 460: Multiple talkers and multiple listeners – Ethernet interconnection –
Safety and security**

**Matériels et systèmes de navigation et de radiocommunication maritimes –
Interfaces numériques –
Partie 460: Émetteurs multiples et récepteurs multiples – Interconnexion
Ethernet – Sûreté et sécurité**





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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:

FDIS	Report on voting
80/943/FDIS	80/951/RVD

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 website 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.

Introduction to the Amendment

This amendment provides greater clarity to the external security requirements in 6.3, updates the alert management in 8.2.7 and associated tests in 10.11.6 to comply with bridge alert management and provides an improved test of firewalls in 10.8.4.

2 Normative references

Delete the following existing normative references:

IEC 61924-2:2012, *Maritime navigation and radiocommunication equipment and systems – Integrated navigation systems – Part 2: Modular structure for INS – Operational and performance requirements, methods of testing and required test results*

IEC 62288:2014, *Maritime navigation and radiocommunication equipment and systems – Presentation of navigation-related information on shipborne navigational displays – General requirements, methods of testing and required test results*

IEC 61162-460:2018/AMD1:2020

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Add the following new normative references:

IEC 62923-1, Maritime navigation and radiocommunication equipment and systems – Bridge alert management – Part 1: Operational and performance requirements, methods of testing and required test results

IEC 62923-2, Maritime navigation and radiocommunication equipment and systems – Bridge alert management – Part 2: Alert and cluster identifiers and other additional features

koniec náhľadu – text ďalej pokračuje v platenej verzii STN