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Maritime navigation and radiocommunication equipment and systems - Track control systems - Operational and performance requirements, test methods and required test results

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. 03/26

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NORME EUROPÉENNE

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English Version

**Maritime navigation and radiocommunication equipment and systems - Track control systems - Operational and performance requirements, test methods and required test results  
(IEC 62065:2025)**

Matériels et systèmes de navigation et de radiocommunication maritimes - Systèmes de contrôle de route - Exigences opérationnelles et de fonctionnement, méthodes d'essai et résultats exigibles  
(IEC 62065:2025)

Navigations- und Funkkommunikationsgeräte und -systeme für die Seeschifffahrt - Bahnregelungssysteme - Betriebs- und Leistungsanforderungen, Prüfverfahren und geforderte Prüfergebnisse  
(IEC 62065:2025)

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**EN IEC 62065:2025 (E)****European foreword**

The text of document 80/1163/FDIS, future edition 3 of IEC 62065, prepared by TC 80 "Maritime navigation and radiocommunication equipment and systems" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62065:2025.

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- latest date by which the national standards conflicting with the (dow) 2028-11-30 document have to be withdrawn

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IEC 61023            NOTE    Approved as EN 61023

IEC 61108 (series)    NOTE    Approved as EN IEC 61108 (series)

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

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<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 61162-1	-	Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 1: Single talker and multiple listeners	EN IEC 61162-1	-
IEC 61162-2	-	Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 2: Single talker and multiple listeners, high-speed transmission	EN IEC 61162-2	-
IEC 61162-450	-	Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 450: Multiple talkers and multiple listeners - Ethernet interconnection	EN IEC 61162-450	-
IEC 62288	-	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	EN IEC 62288	-
IEC 62616	-	Maritime navigation and radiocommunication equipment and systems - Bridge navigational watch alarm system (BNWAS)	EN 62616	-
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	-



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# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Maritime navigation and radiocommunication equipment and systems - Track control systems - Operational and performance requirements, test methods and required test results**

**Matériels et systèmes de navigation et de radiocommunication maritimes - Systèmes de contrôle de route - Exigences opérationnelles et de fonctionnement, méthodes d'essai et résultats exigibles**

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IEC Secretariat  
3, rue de Varembe  
CH-1211 Geneva 20  
Switzerland

Tel.: +41 22 919 02 11  
[info@iec.ch](mailto:info@iec.ch)  
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**Maritime navigation and radiocommunication equipment and systems -  
Track control systems -  
Operational and performance requirements, test methods and required  
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IEC 62065 has been prepared by IEC technical committee 80: Maritime navigation and radiocommunication equipment and systems. It is an International Standard.

This third edition cancels and replaces the second edition published in 2014. This edition constitutes a technical revision.

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

- a) alert management has been brought in line with MSC.302(87), IEC 62923-1 and IEC 62923-2, reducing the number of alerts for one situation and improving the information provided by alerts. An overview is provided in Annex F;

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- b) the previous Annex F has been removed as it was outdated and not instrumental in this document;
- c) the requirements in Clause 5 have been further detailed;
- d) the structure of Clause 6 has been updated.

The text of this International Standard is based on the following documents:

Draft	Report on voting
80/1163/FDIS	80/1168/RVD

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

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications](http://www.iec.ch/publications).

NOTE The following print types are used in this document: all text of this document that is identical to that in IMO resolution MSC.74(69), Annex 2, is printed in italics and the resolution (abbreviated to – A2) and paragraph numbers are indicated in brackets i.e. (A2/3.3).

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## IEC 62065:2025 © IEC 2025

## 1 Scope

This document specifies the minimum operational and performance requirements, test methods and required test results conforming to performance standards adopted by the IMO in resolution MSC.74(69) Annex 2 Recommendation on Performance Standards for Track Control Systems. In addition, it takes into account IMO resolution A.694(17) to which IEC 60945 is associated. It also takes into account IMO resolution MSC.302(87) on bridge alert management (BAM), to which IEC 62923-1 and IEC 62923-2 are associated.

## 2 Normative references

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.

IEC 60945, *Maritime navigation and radiocommunication equipment and systems - General requirements - Methods of testing and required test results*

IEC 61162-1, *Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 1: Single talker and multiple listeners*

IEC 61162-2, *Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 2: Single talker and multiple listeners, high-speed transmission*

IEC 61162-450, *Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 450: Multiple talkers and multiple listeners - Ethernet interconnection*

IEC 62288, *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 62616, *Maritime navigation and radiocommunication equipment and systems - Bridge navigational watch alarm system (BNWAS)*

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**