



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61924:2006

ICS 47.020.70

**MARITIME NAVIGATION AND  
RADIOCOMMUNICATION EQUIPMENT AND  
SYSTEMS - INTEGRATED NAVIGATION  
SYSTEMS - OPERATIONAL AND  
PERFORMANCE REQUIREMENTS,  
METHODS OF TESTING AND REQUIRED  
TEST RESULTS**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 61924**

June 2006

ICS 47.020.70

English version

**Maritime navigation and radiocommunication  
equipment and systems -  
Integrated navigation systems -  
Operational and performance requirements,  
methods of testing and required test results  
(IEC 61924:2006)**

Matériels et systèmes de  
navigation et de radiocommunication -  
Systèmes de navigation intégrés -  
Exigences opérationnelles et  
de fonctionnement,  
méthodes d'essai et résultats exigibles  
(CEI 61924:2006)

Navigations- und  
Funkkommunikationsgeräte  
und -systeme für die Seeschifffahrt -  
Integrierte Navigationssysteme -  
Betriebs- und Leistungsanforderungen,  
Prüfverfahren und  
geforderte Prüfergebnisse  
(IEC 61924:2006)

This European Standard was approved by CENELEC on 2006-06-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard 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 Central Secretariat or to any CENELEC member.

This European Standard exists in two official versions (English and 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 Central Secretariat has the same status as the official versions.

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**CENELEC**

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

**Central Secretariat: rue de Stassart 35, B - 1050 Brussels**

## Foreword

The text of document 80/433/FDIS, future edition 1 of IEC 61924, prepared by IEC TC 80, Maritime navigation and radiocommunication equipment and systems, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61924 on 2006-06-01.

The following dates were fixed:

- latest date by which the EN has to be implemented  
at national level by publication of an identical  
national standard or by endorsement (dop) 2007-03-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2009-06-01

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 61924:2006 was approved by CENELEC as a European Standard without any modification.

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## Annex ZA (normative)

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

The following referenced documents are indispensable for the application 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 When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60945	2002	Maritime navigation and radiocommunication equipment and systems - General requirements - Methods of testing and required test results	EN 60945	2002
IEC 61162-1	- <sup>1)</sup>	Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 1: Single talker and multiple listeners	EN 61162-1	2000 <sup>2)</sup>
IEC 61162-2	- <sup>1)</sup>	Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 2: Single talker and multiple listeners, high-speed transmission	EN 61162-2	1998 <sup>2)</sup>
IEC 61174	2001	Maritime navigation and radiocommunication equipment and systems - Electronic chart display and information system (ECDIS) - Operational and performance requirements, methods of testing and required test results	EN 61174	2001
IEC 61209	1999	Maritime navigation and radiocommunication equipment and systems - Integrated bridge systems (IBS) - Operational and performance requirements, methods of testing and required test results	EN 61209	1999
IEC 62065	2002	Maritime navigation and radiocommunication equipment and systems - Track control systems - Operational and performance requirements, methods of testing and required test results	EN 62065	2002
IMO A.224(VII)	- <sup>1)</sup>	Performance standards for echo-sounding equipment	-	-
IMO A.424(XI)	- <sup>1)</sup>	Performance standards for gyro-compasses	-	-
IMO A.529(XIII)	- <sup>1)</sup>	Accuracy standards for navigation	-	-

<sup>1)</sup> Undated reference.

<sup>2)</sup> Valid edition at date of issue.

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IMO A.694(17)	- <sup>1)</sup>	General requirements for shipborne radio equipment forming part of the global maritime distress and safety system (GMDSS) and for electronic navigational aids	-	-
IMO A.815(19)	- <sup>1)</sup>	Worldwide radionavigation system	-	-
IMO A.821(19)	- <sup>1)</sup>	Performance standards for gyro-compasses for high-speed craft	-	-
IMO A.823(19)	- <sup>1)</sup>	Performance standards for automatic radar plotting aids (ARPAs)	-	-
IMO A.824(19)	- <sup>1)</sup>	Performance standards for devices to indicate speed and distance	-	-
IMO A.830(19)	- <sup>1)</sup>	Code on alarms and indicators	-	-
IMO A.893(21)	- <sup>1)</sup>	Guidelines for voyage planning	-	-
IMO	1974	International Convention for the Safety of Life at Sea (SOLAS)	-	-
IMO MSC.64(67) Annex 1	- <sup>1)</sup>	Recommendation on performance standards for integrated bridge systems (IBS)	-	-
IMO MSC.64(67) Annex 4	- <sup>1)</sup>	Recommendation on performance standards for radar equipment	-	-
IMO MSC.86(70) Annex 3	- <sup>1)</sup>	Performance standards for an integrated navigation system (INS)	-	-
ISO 11674	2000	Ships and marine technology - Heading control systems	-	-

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