



National Standards Authority of Ireland

STANDARD

**I.S. EN 60872-1:1999**

ICS 47.020.70

**MARITIME NAVIGATION AND  
RADIOCOMMUNICATION EQUIPMENT AND  
SYSTEMS. RADAR PLOTTING AIDS.  
PART 1: AUTOMATIC RADAR PLOTTING AIDS  
(ARPA) METHODS OF TESTING AND  
REQUIRED TEST RESULTS (IEC 60872-1:1998)**

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Údarás um Chaighdeán Náisiúnta na hÉireann



English version

**Maritime navigation and radiocommunication equipment and systems**  
**Radar plotting aids**

**Part 1: Automatic radar plotting aids (ARPA)**  
**Methods of testing and required test results**  
**(IEC 60872-1:1998)**

Matériels et systèmes de navigation et  
de radiocommunication maritimes  
Aides de pointage radar  
Partie 1: Aides de pointage radar  
automatiques (APRA) - Méthodes  
d'essai et résultats d'essai exigés  
(CEI 60872-1:1998)

Navigations- und  
Funkkommunikationsgeräte und  
-systeme für die Seeschifffahrt  
Radar-Plöthilfen  
Teil 1: Automatische Radar-Plöthilfen  
(ARPA) - Prüfverfahren und geforderte  
Prüfergebnisse  
(IEC 60872-1:1998)

This European Standard was approved by CENELEC on 1998-10-01. 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 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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

# 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 80/192/FDIS, future edition 1 of IEC 60872-1, 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 60872-1 on 1998-10-01.

This European Standard supersedes EN 60872:1993 and its amendment A1:1993.

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) 1999-07-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2001-07-01

Annexes designated "normative" are part of the body of the standard.

In this standard, annexes A, B, C, D, E and ZA are normative.

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 60872-1:1998 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**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

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 60872-2	- <sup>1)</sup>	Martime navigation and radiocommunication equipment and systems - Radar plotting aids Part 2: Automatic tracking aids (ATA) Methods of testing and required test results	-	-
IEC 60872-3	- <sup>1)</sup>	Part 3: Electronic plotting aids (EPA) Methods of testing and required test results	-	-
IEC 60936-1	- <sup>1)</sup>	Maritime navigation and radiocommunication equipment and systems Radar Part 1: Shipborne radar - Methods of testing and required test results	-	-
IEC 60936-2	- <sup>1)</sup>	Part 2: Shipborne radar for high-speed craft (HSC) - Methods of testing and required test results	-	-
IEC 60945	1996	Maritime navigation and radiocommunication equipment and systems General requirements - Methods of testing and required test results	EN 60945	1997
IEC 61162	series	Maritime navigation and radiocommunication equipment and systems Digital interfaces	EN 61162	series
ISO 9000	1987	Quality management and quality assurance standards	EN 29000 <sup>2)</sup>	1988
IMO Resolution A.477	1981	Performance standards for radar equipment	-	-

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1) To be published.

2) EN 29000 is superseded by EN ISO 29000-1:1994 which is based on ISO 29000-1:1994.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IMO Resolution A.694	1991	General requirements for shipborne radio equipment forming part of the global maritime distress and safety system (GMDSS) and for electronic navigational aids	-	-
IMO Resolution A.820	1995	Performance standards for navigational radar equipment for high-speed craft	-	-
IMO A.823	1995	Performance standards for automatic radar plotting aids (ARPAs)	-	-
IMO A.824	1995	Performance standards for devices to indicate speed and distance	-	-
IMO MSC. 64(67)	1996	Annex 4 - Performance standards for radar equipment	-	-
IHO S-52	1996	Specifications for chart content and display aspects of ECDIS	-	-

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