



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61108-4:2004

ICS 47.020.70

**MARITIME NAVIGATION AND
RADIOCOMMUNICATION EQUIPMENT AND
SYSTEMS - GLOBAL NAVIGATION SATELLITE
SYSTEMS (GNSS) PART 4: SHIPBORNE DGPS
AND DGLONASS MARITIME RADIO BEACON
RECEIVER EQUIPMENT - PERFORMANCE
REQUIREMENTS, METHODS OF TESTING
AND REQUIRED TEST RESULTS. (IEC
61108-4:2004)**

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EUROPEAN STANDARD

EN 61108-4

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2004

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English version

**Maritime navigation and radiocommunication equipment and systems –
Global navigation satellite systems (GNSS)
Part 4: Shipborne DGPS and DGLONASS maritime
radio beacon receiver equipment –
Performance requirements, methods of testing and required test results
(IEC 61108-4:2004)**

Matériels et systèmes de navigation
et de radiocommunication maritimes –
Système mondial de navigation
par satellite (GNSS)
Partie 4: Equipement pour récepteur de
balises radioélectriques DGLONASS et
DGPS embarqués –
Exigences d'exploitation et de
fonctionnement, méthodes d'essai et
résultats d'essai exigés
(CEI 61108-4:2004)

Navigations- und Funkkommunikations-
geräte und -systeme für die Seeschifffahrt –
Weltweite Navigations-Satellitensysteme
(GNSS)
Teil 4: DGPS- und DGLONASS-
Seefunkbaken-Empfangsanlagen –
Leistungsanforderungen, Prüfverfahren
und geforderte Prüfergebnisse
(IEC 61108-4:2004)

This European Standard was approved by CENELEC on 2004-10-01. 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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, 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 80/394/FDIS, future edition 1 of 61108-4, 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 61108-4 on 2004-10-01.

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) 2005-07-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2007-10-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61108-4:2004 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 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 Where 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	- ¹⁾	Maritime navigation and radiocommunication equipment and systems - General requirements - Methods of testing and required test results	EN 60945	2002 ²⁾
IEC 61162-1	- ¹⁾	Maritime navigation and radiocommunication equipment and systems - Digital interfaces Part 1: Single talker and multiple listeners	EN 61162-1	2000 ²⁾
IEC 61162-2	- ¹⁾	Part 2: Single talker and multiple listeners, high-speed transmission	EN 61162-2	1998 ²⁾
IMO Resolution MSC.114(73)	- ¹⁾	Performance standards for shipborne DGPS and DGLONASS maritime radio beacon receiver equipment	-	-
IMO Resolution A.694(17)	- ¹⁾	General requirements for shipborne radio equipment forming part of the global maritime distress and safety system (GMDSS) and for electronic navigational aids	-	-
ITU-R M.823-2	- ¹⁾	Technical characteristics of differential transmissions for global navigation satellite systems (GNSS) from maritime radio beacons in the frequency band 285 kHz-325 kHz (283,5 kHz-315 kHz in Region 1)	-	-

1) Undated reference.

2) Valid edition at date of issue.

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