



NSAI
Standards

Irish Standard
I.S. EN 61996-2:2008

Maritime navigation and
radiocommunication equipment and
systems - Shipborne voyage data
recorder (VDR) -- Part 2: Simplified
voyage data recorder (S-VDR) -
Performance requirements, methods of
testing and required test results (IEC
61996-2:2007 (EQV))

I.S. EN 61996-2:2008

Incorporating amendments/corrigenda issued since publication:

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Údarás um Chaighdeáin Náisiúnta na hÉireann			

English version

**Maritime navigation and radiocommunication equipment and systems -
Shipborne voyage data recorder (VDR) -
Part 2: Simplified voyage data recorder (S-VDR) -
Performance requirements, methods of testing and required test results
(IEC 61996-2:2007)**

Matériels et systèmes de navigation
et de radiocommunication maritimes -
Enregistreurs des données du voyage
(VDR) de bord -
Partie 2: Enregistreur des données
du voyage simplifié (S-VDR) -
Exigences de fonctionnement, méthodes
d'essai et résultats d'essai exigés
(CEI 61996-2:2007)

Navigations-
und Funkkommunikationsgeräte
und -systeme für die Seeschifffahrt -
Fahrdatenaufzeichnungsgeräte (VDR)
auf Seeschiffen -
Teil 2: Vereinfachtes
Fahrdatenaufzeichnungsgerät (S-VDR) -
Leistungsanforderungen, Prüfverfahren
und geforderte Prüfergebnisse
(IEC 61996-2:2007)

This European Standard was approved by CENELEC on 2008-06-01. 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, 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, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

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

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Foreword

The text of document 80/471/CDV, future edition 2 of IEC 61996-2, prepared by TC 80, Maritime navigation and radiocommunication equipment and systems, was submitted to the IEC-CENELEC Parallel Unique Acceptance Procedure and was approved by CENELEC as EN 61996-2 on 2008-06-01.

This European Standard supersedes EN 61996-2:2006.

A new requirement has been added to 4.3.6 for an interface to be used for downloading the stored data to an external computer. This is defined in Annex C which replaces the Annex C of EN 61996-2:2006 which contained an IMO Circular which recommended such an interface. An optional LAN interface for connection to radar has been added in 5.8. Some corrections to the text have also been made.

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) 2009-03-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2011-06-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61996-2:2007 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 60936-1	NOTE Harmonized as EN 60936-1:2000 (not modified).
IEC 60936-3	NOTE Harmonized as EN 60936-3:2002 (not modified).
IEC 61996-1	NOTE Harmonized as EN 61996-1:2008 (not modified).
IEC 62388	NOTE Harmonized as EN 62388:2008 (not modified).
ISO 8728	NOTE Harmonized as EN ISO 8728:1998 (not modified).
ISO 11674	NOTE Harmonized as EN ISO 11674:2001 (not modified).

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 60068-2-27	1987	Basic environmental testing procedures - Part 2: Tests - Test Ea and guidance: Shock	EN 60068-2-27	1993
IEC 60268-16	2003	Sound system equipment - Part 16: Objective rating of speech intelligibility by speech transmission index	EN 60268-16	2003
IEC 60945	2002	Maritime navigation and radiocommunication equipment and systems - General requirements - Methods of testing and required test results	EN 60945	2002
IEC 61097-2	- ¹⁾	Global maritime distress and safety system (GMDSS) - Part 2: COSPAS-SARSAT EPIRB - Satellite emergency position indicating beacon operating on 406 MHz - Operational and performance requirements, methods of testing and required test results	-	-
IEC 61097-7	1996	Global maritime distress and safety system (GMDSS) - Part 7: Shipborne VHF radiotelephone transmitter and receiver - Operational and performance requirements, methods of testing and required test results	-	-
IEC 61162-1	- ¹⁾	Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 1: Single talker and multiple listeners	EN 61162-1	2008 ²⁾
IEC 61162-2	- ¹⁾	Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 2: Single talker and multiple listeners, high-speed transmission	EN 61162-2	1998 ²⁾
IEC 61260	1995	Electroacoustics - Octave-band and fractional-octave-band filters	EN 61260	1995
IEC 61672-1	2002	Electroacoustics - Sound level meters - Part 1: Specifications	EN 61672-1	2003
IMO Resolution A.658(16)	- ¹⁾	Use and fitting of retro-reflective materials on life-saving appliances	-	-
IMO Resolution A.662(16)	- ¹⁾	Performance standards for float-free release and activation arrangements for emergency radio equipment	-	-

¹⁾ Undated reference.

²⁾ 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 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	-	-
IMO Resolution A.810(19)	- ¹⁾	Performance standards for float-free satellite emergency position-indicating radio beacons (EPIRBs) operating on 406 MHz	-	-
IMO Resolution A.830(19)	- ¹⁾	Code on alarms and indicators	-	-
IMO Resolution A.861(20)	- ¹⁾	Performance standards for shipborne voyage data recorders (VDRs)	-	-
IMO Resolution MSC 81(70)	- ¹⁾	Testing of life saving appliances	-	-
IMO Resolution MSC 163(78)	- ¹⁾	Performance standards for shipborne simplified voyage data recorders (S-VDR)	-	-
IMO Resolution MSC 214(81) Annex 2	- ¹⁾	Amendments to the recommendation on performance standards for shipborne voyage data recorders (VBDRs) (Resolution A.861(20))	-	-
IMO	1974	International convention for the Safety of Life at Sea (SOLAS)	-	-
ITU-R M.633-3	2004	Transmission characteristics of a satellite emergency position-indicating radiobeacon (satellite EPIRB) system operating through a low polar-orbiting satellite system in the 406 MHz band	-	-
Eurocae: ED56A Amendment 1	- ¹⁾	Minimum operational performance specification (MOPS) for cockpit voice recorder system	-	-
VESA	1996	Video electronics standards association - Discrete monitor timings standard 1.0, Revision 0.7 (DMTS)	-	-
SAE AS 8045	1988	Engineering Society for advancing mobility land sea air and space - Minimum performance standard for underwater locating devices - acoustic-self-powered	-	-

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