Irish Standard
I.S. EN 62516-1:2009

Terrestrial digital multimedia broadcasting (T-DMB) receivers -- Part 1: Basic requirement (IEC 62516-1:2009 (EQV))

I.S. EN 62516-1:2009

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I.S. EN 62516-1:2009

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 62516-1

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English version

Terrestrial digital multimedia broadcasting (T-DMB) receivers - Part 1: Basic requirement
(IEC 62516-1:2009)

Récepteurs de radiodiffusion multimedia numérique terrestre (T-DMB) - Partie 1: Exigences fondamentales (CEI 62516-1:2009)

Empfänger für terrestrischen Multimediadigitalrundfunk (T-DMB) - Teil 1: Allgemeine Anforderung (IEC 62516-1:2009)

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CENELEC

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

Central Secretariat: Avenue Marnix 17, B - 1000 Brussels

Ref. No. EN 62516-1:2009 E

Foreword

The text of document 100/1490/FDIS, future edition 1 of IEC 62516-1, prepared by technical area 1, Terminals for audio, video and data services and content, of IEC TC 100, Audio, video and multimedia systems and equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62516-1 on 2009-05-01.

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)	2010-02-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2012-05-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 62516-1:2009 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 60169-24	NOTE Harmonized as EN 60169-24:1993 (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.

Publication	Year	Title	EN/HD	Year
-	-	Digital Audio Broadcasting (DAB); Guidelines and rules for implementation and operation - Part 2: System features	ETSI TR 101 496-2	-[1)]
-	-	Digital Audio Broadcasting (DAB); Data Broadcasting - MPEG-2 TS streaming	ETSI TS 102 427	-[1)]
-	-	Digital Audio Broadcasting (DAB); DMB video service; User Application Specification	ETSI TS 102 428	-[1)]
-	-	Radio Broadcasting Systems; Digital Audio Broadcasting (DAB) to mobile, portable and fixed receivers	ETSI EN 300 401	-[1)]
IEC 62104	2003	Characteristics of DAB receivers	EN 62104	2007
ISO/IEC 10918-1	-[1)]	Information technology - Digital compression and coding of continuous-tone still images: Requirements and guidelines	-	-
ISO/IEC 11172-3	-[1)]	Information technology - Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s - Part 3: Audio	-	-
ISO/IEC 13818-1	2000	Information technology - Generic coding of moving pictures and associated audio information: Systems	-	-
ISO/IEC 13818-3	1998	Information technology - Generic coding of moving pictures and associated audio information - Part 3: Audio	-	-
ISO/IEC 14496-1 A3	2001 2007	Information technology - Coding of audio-visual objects - Part 1: Systems	-	-
ISO/IEC 14496-3	-[1)]	Information technology - Coding of audio-visual objects - Part 3: Audio	-	-
ISO/IEC 14496-10	-[1)]	Information technology - Coding of audio-visual objects - Part 10: Advanced Video Coding	-	-
ISO/IEC 14496-11	2005	Information technology - Coding of audio-visual objects - Part 11: Scene description and application engine	-	-

[1)] Undated reference.

Publication	Year	Title	EN/HD	Year
ISO/IEC 15444-1	-[1)]	Information technology - JPEG 2000 image coding system: Core Coding system	-	-
ITU-T Recommendation H.264	-[1)]	Advanced video coding for generic audiovisual services	-	-

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IEC 62516-1

Edition 1.0 2009-02

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Terrestrial digital multimedia broadcasting (T-DMB) receivers – Part 1: Basic requirement

Récepteurs pour diffusion multimédia numérique terrestre (T-DMB) – Partie 1: Exigences fondamentales

IEC 62516-1:2009

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- Electropedia: www.electropedia.org
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INTERNATIONAL STANDARD

NORME INTERNATIONALE

Terrestrial digital multimedia broadcasting (T-DMB) receivers – Part 1: Basic requirement

Récepteurs pour diffusion multimédia numérique terrestre (T-DMB) – Partie 1: Exigences fondamentales

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CONTENTS

INTERNATIONAL ELECTROTECHNICAL COMMISSION

TERRESTRIAL DIGITAL MULTIMEDIA BROADCASTING (T-DMB) RECEIVERS –

Part 1: Basic requirement

FOREWORD

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 62516-1 has been prepared by technical area 1: Terminals for audio, video and data services and content, of IEC technical committee 100: Audio, video and multimedia systems and equipment.

This bilingual version, published in 2009-05, corresponds to the English version.

The text of this standard is based on the following documents:

FDIS	Report on voting
100/1490/FDIS	100/1521/RVD

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

The French version of this standard has not been voted upon.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

TERRESTRIAL DIGITAL MULTIMEDIA BROADCASTING (T-DMB) RECEIVERS –

Part 1: Basic requirement

1 Scope

This part of IEC 62516 specifies the characteristics and minimum required performance for terrestrial digital multimedia broadcasting (T-DMB) receivers. The contents of this standard include T-DMB system information, video, audio, and MPEG-4 BIFS data.

2 Normative references

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.

IEC 62104:2003, *Characteristics of DAB receivers*

ISO/IEC 10918-1, *Information technology – Digital compression and coding of continuous-tone still images: Requirements and guidelines*

ISO/IEC 11172-3, *Information technology – Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s – Part 3: Audio*

ISO/IEC 13818-1:2000, *Information technology – Generic coding of moving pictures and associated audio information: Systems*

ISO/IEC 13818-3:1998 *Information technology – Generic coding of moving pictures and associated audio information – Part 3: Audio*

ISO/IEC 14496-1:2001, *Information technology – Coding of audio-visual objects – Part 1: Systems*
Amendment 3 (2003)

ISO/IEC 14496-3, *Information technology – Coding of audio-visual objects – Part 3: Audio*

ISO/IEC 14496-10, *Information technology – Coding of audio-visual objects – Part 10: Advanced Video Coding*

ISO/IEC 14496-11:2005, *Information technology – Coding of audio-visual objects – Part 11: Scene description and application engine*

ISO/IEC 15444-1, *Information technology – JPEG 2000 image coding system: Core coding system*

ITU-T Recommendation H.264, *Advanced video coding for generic audiovisual services*

ETSI TR 101 496-2, *Digital Audio Broadcasting (DAB); Guidelines and rules for implementation and operation – Part 2: System features*

ETSI TS 102 427 V1.1.1, *Digital Audio Broadcasting (DAB); Data Broadcasting –MPEG-2 TS streaming*