
**Mobilni in prenosni radijski dostop v sistemu DVB-T/H - 2. del: Preskušanje
zmogljivosti vmesnika (IEC 62002-2:2005)**

(istoveten EN 62002-2:2006)

Mobile and portable DVB-T/H radio access - Part 2: Interface conformance testing
(IEC 62002-2:2005)

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**Mobile and portable DVB-T/H radio access
Part 2: Interface conformance testing
(IEC 62002-2:2005)**

Accès radio DVB-T/H vers les mobiles
et les portables
Partie 2 : Contrôles de conformité
de l'interface
(CEI 62002-2:2005)

Mobiler und tragbarer Funkzugang
zu DVB-T/H
Teil 2: Konformitätsprüfung
der Schnittstelle
(IEC 62002-2:2005)

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This European Standard was approved by CENELEC on 2006-10-01. 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.

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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 the International Standard IEC 62002-2:2005, prepared by IEC TC 100, Audio, video and multimedia systems and equipment, was submitted to the formal vote and was approved by CENELEC as EN 62002-2 on 2006-10-01 without any modification.

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) 2007-10-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2009-10-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 62002-2:2005 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 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 62002-1	– ¹⁾	Mobile and portable DVB-T/H radio access - Part 1: Interface specification	EN 62002-1	2006
–	–	Digital Video Broadcasting (DVB); Framing structure, channel coding and modulation for digital terrestrial television	ETSI EN 300 744 (V1.5.1)	2004

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¹⁾ Undated reference.

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Mobile and portable DVB-T/H radio access – Part 2: Interface conformance testing

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MOBILE AND PORTABLE DVB-T/H RADIO ACCESS –

Part 2: Interface conformance testing

FOREWORD

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International Standard IEC 62002-2 has been prepared by Technical Area 1: Terminals for audio, video and data services, of IEC technical committee 100: Audio, video and multimedia systems and equipment.

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

CDV	Report on voting
100/921/CDV	100/1013/RVC

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

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

IEC 62002 consists of the following parts, under the general title *Mobile and portable DVB-T/H radio access*:

Part 1: Interface specification

Part 2: Interface conformance testing

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.

A bilingual version of this publication may be issued at a later date.

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MOBILE AND PORTABLE DVB-T/H RADIO ACCESS –

Part 2: Interface conformance testing

1 Scope

This part of IEC 62002 provides the conformance testing rules and guidelines for equipment built to meet the mobile and portable DVB-T/H radio access interface specification (IEC 62002-1).

The purpose of this standard is to limit the required test cases to a practical level. Nevertheless, the manufacturer is responsible for guaranteeing that the terminal fulfils the mobile and portable DVB-T/H radio access interface specification (IEC 62002-1) in all its aspects.

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 62002-1, *Mobile and portable DVB-T/H radio access – Part 1: Interface specification*

ETSI EN 300 744, V1.5.1:2004, *Digital Video Broadcasting (DVB) – Framing structure, channel coding and modulation for digital terrestrial television*

3 Abbreviations

For the purposes of this document, the following abbreviations apply.

λ	Lambda, wavelength ($\lambda = c/f$)
A2	German analogue TV stereo system
A_A	Coupling between antennas
AGC	Automatic gain control
A_{GSM}	Stop-band attenuation of the GSM reject filter
B	Bandwidth
BER	Bit error ratio
C	Carrier power (in band carrier power including any echoes)
c	Speed of light $c = 3,0 \times 10^8$ m/s
C_i	Power contribution from the i -th signal
C_t	Total useful carrier power
C/N	Carrier-to-noise ratio
C/N_{min}	Minimum C/N
CPE	Common phase error
CR	Code rate
dB	Decibel