



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 60645-3:2007

ICS 17.140.50

**ELECTROACOUSTICS - AUDIOMETRIC
EQUIPMENT -- PART 3: TEST SIGNALS OF
SHORT DURATION (IEC 60645-3:2007
(EQV))**

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*This Irish Standard was
published under the authority
of the National Standards
Authority of Ireland and
comes into effect on:
4 September 2007*

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60645-3

July 2007

ICS 17.140.50

Supersedes EN 60645-3:1995

English version

**Electroacoustics -
Audiometric equipment -
Part 3: Test signals of short duration
(IEC 60645-3:2007)**

Electroacoustique -
Equipements audiométriques -
Partie 3: Signaux d'essai de courte durée
(CEI 60645-3:2007)

Akustik -
Audiometer -
Teil 3: Kurzzeit-Hörprüfsignale
(IEC 60645-3:2007)

This European Standard was approved by CENELEC on 2007-06-01. 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 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, 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 29/595/CDV, future edition 2 of IEC 60645-3, prepared by IEC TC 29, Electroacoustics, was submitted to the IEC-CENELEC parallel Unique Acceptance Procedure and was approved by CENELEC as EN 60645-3 on 2007-06-01.

This European Standard supersedes EN 60645-3:1995.

Specific changes in EN 60645-3:2007 concern new figures of reference signals and changes in definitions.

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) 2008-03-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2010-06-01

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and covers essential requirements of EC Directive MDD (93/42/EEC). See Annex ZZ.

Annexes ZA and ZZ have been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60645-3:2007 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 61672-1	NOTE Harmonized as EN 61672-1:2003 (not modified).
ISO 8253-1	NOTE Harmonized as EN ISO 8253-1:1998 (not modified).
ISO 8253-2	NOTE Harmonized as EN ISO 8253-2:1998 (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 60318-1	- ¹⁾	Electroacoustics - Simulators of human head and ear - Part 1: Ear simulator for the calibration of supra-aural earphones	EN 60318-1	1998 ²⁾
IEC 60318-3	- ¹⁾	Electroacoustics - Simulators of human head and ear - Part 3: Acoustic coupler for the calibration of supra-aural earphones used in audiometry	EN 60318-3	1998 ²⁾
IEC 60318-5	- ¹⁾	Electroacoustics - Simulators of human head and ear - Part 5: 2 cm ³ coupler for the measurement of hearing aids and earphones coupled to the ear by means of ear inserts	EN 60318-5	2006 ²⁾
IEC 60318-6	200X ³⁾	Electroacoustics - Simulators of human head and ear - Part 6: Mechanical coupler for the measurements on bone vibrators	-	-
IEC 60645-1	2001	Electroacoustics - Audiological equipment - Part 1: Pure-tone audiometers	EN 60645-1	2001
IEC 60711	- ¹⁾	Occluded-ear simulator for the measurement of earphones coupled to the ear by ear inserts	HD 443 S1	1983 ²⁾
ISO 389-6	- ¹⁾	Acoustics - Reference zero for the calibration of audiometric equipment - Part 6: Reference threshold of hearing for test signals of short duration	-	-

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

³⁾ To be published.

Annex ZZ (informative)

Coverage of Essential Requirements of EC Directives

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and within its scope the standard covers only the following essential requirements out of those given in Annex I of the EC Directive 93/42/EEC:

- Essential requirement I – 3
- Essential requirement I – 6
- Essential requirement II – 12.8
- Essential requirement II – 13

Compliance with this standard provides one means of conformity with the specified essential requirements of the Directive concerned.

WARNING: Other requirements and other EC Directives may be applicable to the products falling within the scope of this standard.

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