



**NSAI**  
Standards

Irish Standard  
I.S. EN 60268-7:2011

## Sound system equipment - Part 7: Headphones and earphones

**I.S. EN 60268-7:2011**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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**EN 60268-7**

March 2011

ICS 33.160.50

Supersedes EN 60268-7:1996

English version

**Sound system equipment -  
Part 7: Headphones and earphones  
(IEC 60268-7:2010)**

Equipements pour systèmes  
électroacoustiques -  
Partie 7: Ecouteurs et oreillettes  
(CEI 60268-7:2010)

Elektroakustische Geräte -  
Teil 7: Kopfhörer und Ohrhörer  
(IEC 60268-7:2010)

This European Standard was approved by CENELEC on 2011-01-02. 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.

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

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## Foreword

The text of document 100/1621/FDIS, future edition 3 of IEC 60268-7, prepared by 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 60268-7 on 2011-01-02.

This European Standard supersedes EN 60268-7:1996.

EN 60268-7:2011 contains the following changes:

- clause/subclause renumbering in accordance with ISO/IEC Directives, Part 2;
- addition of a measurement system using HATS;
- addition of details on pinna simulators for high measurement reproducibility, see Annex A.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

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) 2011-10-02
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2014-01-02

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 60268-7:2010 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 60065	NOTE	Harmonized as EN 60065.
IEC 60118-0	NOTE	Harmonized as EN 60118-0.
IEC 60268 series	NOTE	Harmonized in EN 60268 series (not modified).
IEC 60268-3	NOTE	Harmonized as EN 60268-3.
IEC 60268-4	NOTE	Harmonized as EN 60268-4.
IEC 60268-5	NOTE	Harmonized as EN 60268-5.
IEC 60318-1	NOTE	Harmonized as EN 60318-1.
IEC 60318-2	NOTE	Harmonized as EN 60318-2.
IEC 60318-3	NOTE	Harmonized as EN 60318-3.
IEC 60318-5	NOTE	Harmonized as EN 60318-5.
IEC 61672 series	NOTE	Harmonized in EN 61672 series (not modified).
IEC 61938	NOTE	Harmonized as EN 61938.
ISO 7029:2000	NOTE	Harmonized as EN ISO 7029:2000 (not modified).
ISO 18233	NOTE	Harmonized as EN ISO 18233.

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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 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 Guide 106	-	Guide for specifying environmental conditions for equipment performance rating	-	-
IEC 60038	-	IEC standard voltages	-	-
IEC 60050-801	1994	International Electrotechnical Vocabulary (IEV) - Chapter 801: Acoustics and electroacoustics	-	-
IEC 60068-1	-	Environmental testing - Part 1: General and guidance	EN 60068-1	-
IEC 60086-1	-	Primary batteries - Part 1: General	EN 60086-1	-
IEC 60263	-	Scales and sizes for plotting frequency characteristics and polar diagrams	-	-
IEC 60268-1	-	Sound system equipment - Part 1: General	HD 483.1 S2	-
IEC 60268-2	-	Sound system equipment - Part 2: Explanation of general terms and calculation methods	HD 483.2 S2	-
IEC 60268-11	-	Sound system equipment - Part 11: Application of connectors for the interconnection of sound system components	HD 483.11 S3	-
IEC 60268-12	-	Sound system equipment - Part 12: Application of connectors for broadcast and similar use	EN 60268-12	-
IEC 60711	-	Occluded-ear simulator for the measurement of earphones coupled to the ear by ear inserts	HD 443 S1	-
IEC/TR 60959	-	Provisional head and torso simulator for acoustic measurements on air conduction hearing aids	-	-
IEC 61672-1	-	Electroacoustics - Sound level meters - Part 1: Specifications	EN 61672-1	-
ISO 3741	-	Acoustics - Determination of sound power levels of noise sources using sound pressure - Precision methods for reverberation rooms	EN ISO 3741	-

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO 4869-1	-	Acoustics - Hearing protectors - Part 1: Subjective method for the measurement of sound attenuation	EN 24869-1	-
ISO 4869-3	-	Acoustics - Hearing protectors - Part 3: Measurement of insertion loss of ear- muff type protectors using an acoustic test fixture	EN ISO 4869-3	-
ISO 7619-1	-	Rubber, vulcanized or thermoplastic - Determination of indentation hardness - Part 1: Durometer method (Shore hardness)	-	-



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# **INTERNATIONAL STANDARD**

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**Sound system equipment –  
Part 7: Headphones and earphones**





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# **INTERNATIONAL STANDARD**

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**Sound system equipment –  
Part 7: Headphones and earphones**

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