



SLOVENSKI STANDARD

SIST EN 60118-15:2012

01-julij-2012

Elektroakustika - Slušni pripomočki - 15. del: Metode za ugotavljanje lastnosti obdelave signalov v slušnih pripomočkih s signali, podobnimi govoru

Electroacoustics - Hearing aids - Part 15: Methods for characterising signal processing in hearing aids with a speech-like signal

Akustik - Hörgeräte - Teil 15: Methoden zur Charakterisierung der Hörgeräte-Signalverarbeitung

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Electroacoustique - Appareils de correction auditive - Partie 15: Méthodes de caractérisation du traitement des signaux dans les appareils de correction auditive avec un signal de type parole

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Ta slovenski standard je istoveten z: EN 60118-15:2012

ICS:

11.180.15	Pripomočki za gluhe osebe in osebe z okvaro sluha	Aids for deaf and hearing impaired people
17.140.50	Elektroakustika	Electroacoustics

SIST EN 60118-15:2012

en,fr,de

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60118-15

April 2012

ICS 17.140.50

English version

**Electroacoustics -
Hearing aids -
Part 15: Methods for characterising signal processing in hearing aids with
a speech-like signal
(IEC 60118-15:2012)**

Electroacoustique -
Appareils de correction auditive -
Partie 15: Méthodes de caractérisation du
traitement des signaux dans les appareils
de correction auditive avec un signal de
type parole
(CEI 60118-15:2012)

Akustik -
Hörgeräte -
Teil 15: Methoden zur Charakterisierung
der Hörgeräte-Signalverarbeitung
(IEC 60118-15:2012)

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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 29/719/CDV, future edition 1 of IEC 60118-15, prepared by IEC/TC 29 "Electroacoustics" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60118-15:2012.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2012-12-27
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2015-03-27

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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 61669	NOTE	Harmonized as EN 61669-15:2012 https://standards.iteh.ai/catalog/standards/sist/6de744bb-5fd0-4d84-ab0b-a9b5001ba4c6/sist-en-60118-15-2012
IEC 60118-0:1983 + A1:1994	NOTE	Harmonized as EN 60118-0:1993 + A1:1994 (not modified).

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 60118-7	-	Electroacoustics - Hearing aids - Part 7: Measurement of the performance characteristics of hearing aids for production, supply and delivery quality assurance purposes	EN 60118-7	-
IEC 60118-8	2005	Electroacoustics - Hearing aids - Part 8: Methods of measurement of performance characteristics of hearing aids under simulated in situ working conditions	EN 60118-8	2005
IEC 60318-4	-	Electroacoustics - Simulators of human head and ear - Part 4: Occluded-ear simulator for the measurement of earphones coupled to the ear by means of ear inserts	EN 60318-4	-
IEC 60318-5	-	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	-
IEC 61260	-	Electroacoustics - Octave-band and fractional-octave-band filters	EN 61260	-

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IEC 60118-15

Edition 1.0 2012-02

INTERNATIONAL STANDARD

NORME INTERNATIONALE



Electroacoustics – Hearing aids –
Part 15: Methods for characterising signal processing in hearing aids with a
speech-like signal

Électroacoustique – Appareils de correction auditive –
Partie 15: Méthodes de caractérisation du traitement des signaux dans les
appareils de correction auditive avec un signal de type parole

INTERNATIONAL
ELECTROTECHNICAL
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CODE PRIX



ICS 17.140.50

ISBN 978-2-88912-932-4

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**ELECTROACOUSTICS –
HEARING AIDS –**
**Part 15: Methods for characterising signal processing
in hearing aids with a speech-like signal**

FOREWORD

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International Standard IEC 60118-15 has been prepared by IEC technical committee 29: Electroacoustics.

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

CDV	Report on voting
29/719/CDV	29/730A/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.

A list of all parts of IEC 60118 series, published under the general title *Electroacoustics – Hearing aids*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability 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,
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- replaced by a revised edition, or
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INTRODUCTION

The characterisation of hearing aids in actual use can differ significantly from those determined in accordance with standards such as IEC 60118-0 and IEC 60118-7. These standards use non speech-like test signals with the hearing aid set to specific settings which are, in general, not comparable with typical user settings.

This standard describes a recommended speech-like test signal, the International Speech Test Signal (ISTS), and a method for the characterisation of hearing aids using this signal with the hearing aid set to actual user settings or to the manufacturers' recommended settings for one of a range of audiograms. For the purposes of this standard the hearing aid is considered to be a combination of the physical hearing aid and the fitting software which accompanies it.

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