
Akustika - Avdiometrijske preskusne metode - 3. del: Govorna avdiometrija (ISO 8253-3:1996)

Acoustics - Audiometric test methods - Part 3: Speech audiometry (ISO 8253-3:1996)

Akustik - Audiometrische Prüfverfahren - Teil 3: Sprachaudiometrie (ISO 8253-3:1996)

Acoustique - Méthodes d'essais audiométriques - Partie 3: Audiométrie vocale (ISO 8253-3:1996)

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Ta slovenski standard je istoveten z: **EN ISO 8253-3:1998**

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ICS:

13.140	Vpliv hrupa na ljudi	Noise with respect to human beings
17.140.01	Akustična merjenja in blaženje hrupa na splošno	Acoustic measurements and noise abatement in general

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 8253-3

March 1998

ICS 13.140

Descriptors: see ISO document

English version

Acoustics - Audiometric test methods - Part 3: Speech audiometry (ISO 8253-3:1996)

Acoustique - Méthodes d'essais audiométriques - Partie 3:
Audiométrie vocale (ISO 8253-3:1996)

Akustik - Audiometrische Prüfverfahren - Teil 3:
Sprachaudiometrie (ISO 8253-3:1996)

This European Standard was approved by CEN on 26 February 1998.

CEN 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 CEN 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 CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Foreword

The text of the International Standard from Technical Committee ISO/TC 43 "Acoustics" of the International Organization for Standardization (ISO) has been taken over as an European Standard by Technical Committee CEN/TC 211 "Acoustics", the secretariat of which is held by DS.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 1998, and conflicting national standards shall be withdrawn at the latest by September 1998.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 8253-3:1996 has been approved by CEN as a European Standard without any modification.

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NOTE: Normative references to International Standards are listed in annex ZA (normative).

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TECHNICAL STANDARD PREVIEW



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Annex ZA (normative)
**Normative references to international publications
 with their relevant European publications**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 266	1997	Acoustics - Preferred frequencies	EN ISO 266	1997
ISO 8253-1	1989	Acoustics - Audiometric test methods - Part 1: Basic pure tone air and bone conduction threshold audiometry	EN ISO 8253-1	1998
ISO 8253-2	1992	Acoustics - Audiometric test methods - Part 2: Sound field audiometry with pure tone and narrow-band test signals	EN ISO 8253-2	1998

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INTERNATIONAL STANDARD

ISO
8253-3

First edition
1996-12-15

Acoustics — Audiometric test methods —

Part 3:
Speech audiometry

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Acoustique — Méthodes d'essais audiométriques —

Part 3: Audiométrie vocale

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ISO 8253-3:1996(E)

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Foreword

ISO (the International Organization for Standardization) is a **worldwide** federation of national standards bodies (ISO member bodies). The **work** of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for **which** a technical committee has been established has the right to be represented on that committee. International organizations, **governmental** and non-governmental, in liaison with ISO, also take part in the **work**. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an **International Standard** requires approval by at least 75 % of the member bodies casting a vote.

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International Standard ISO 8253-3 was prepared by Technical Committee ISO/TC 43, *Acoustics*.

ISO 8253 consists of the following parts, under the general title *Acoustics — Audiometric test methods*:

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- *Part 1: Basic pure tone air and bone conduction threshold audiometry*
- *Part 2: Sound field audiometry with pure tone and narrow band test signals*
- *Part 3: Speech audiometry*

Annexes A and B of this part of ISO 8253 are for information only.

Introduction

Speech audiometry is used in connection with diagnostic evaluation, audiological rehabilitation and the evaluation of hearing disability. The purpose of a particular test is to assist in the choice of speech test material and mode of presentation.

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Acoustics — Audiometric test methods —

Part 3: Speech audiometry

1 Scope

This part of ISO 8253 specifies procedures and requirements for speech audiometry with the recorded test material being presented by air conduction through an earphone, by bone conduction through a bone vibrator, or from a loudspeaker for sound field audiometry. Methods for using noise either for masking the non-test ear or as a competing sound are described. All test procedures are based on the use of open-set test material.

This part of ISO 8253 also contains requirements on recorded speech material and recommended procedures for the maintenance and calibration of speech audiometric equipment.

Some test subjects, for example children, may require amended test procedures not specified in this part of ISO 8253.

It is recognized that standards for speech audiometry cannot be met using live voice speech tests, however, guidance is given in an informative annex so as to make such tests as reliable as possible.

This part of ISO 8253 does not specify the contents of the speech material because of the variety of languages. The type of test material may significantly influence the result of speech audiometry.

Specialized tests such as those used for evaluating directional hearing and dichotic hearing are not included in this part of ISO 8253.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 8253. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 8253 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 266:—¹⁾, *Acoustics — Preferred frequencies*.

ISO 8253-1:1989, *Acoustics — Audiometric test methods — Part 1: Basic pure tone air and bone conduction threshold audiometry*.

ISO 8253-2:1992, *Acoustics — Audiometric test methods — Part 2: Sound field audiometry with pure tone and narrow band test signals*.

IEC 645-1:1992, *Audiometers — Part 1: Pure-tone audiometers*.

IEC 645-2:1993, *Audiometers — Part 2: Equipment for speech audiometry*.

1) To be published. (Revision of ISO 266:1975)