Australian/New Zealand Standard™

Acoustics—Audiometric test methods

Part 2: Sound field audiometry with pure-tone and narrow-band test signals





AS/NZS ISO 8253.2:2019

This Joint Australian/New Zealand Standard[™] was prepared by Joint Technical Committee AV-003, Acoustics Human Effects. It was approved on behalf of the Council of Standards Australia on 29 January 2019 and by the New Zealand Standards Approval Board on 30 January 2019.

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The following are represented on Committee AV-003:

Accident Compensation Corporation (New Zealand) Association of Australasian Acoustical Consultants

Australian Acoustical Society

Australian Chamber of Commerce and Industry

Australian Council of Trade Unions

Australian Hearing

Engineers Australia

Ministry of Health (New Zealand)

New Zealand Audiological Society

Worksafe Division, Department of Commerce, Western Australia

This Standard was issued in draft form for comment as DR AS ISO 8253.2:2018.

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Australian/New Zealand Standard™

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Preface

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee AV-003, Acoustics Human Effects, to supersede AS ISO 8253.2—2009, *Acoustics—Audiometric test methods, Part 2: Sound field audiometry with pure tone and narrow-band test signals.*

The objective of this Standard is to specify relevant test signal characteristics, requirements for free, diffuse, and quasi-free sound fields, and procedures for sound field audiometry using pure tones, frequency-modulated tones or other narrow-band test signals presented by means of one or more loudspeakers. The primary purpose is the determination of hearing threshold levels in the frequency range 125 Hz to 8 000 Hz, but this range can be extended to 20 Hz to 16 000 Hz. This Standard does not include specifications for the use of hand-held loudspeakers. Speech as a test signal is not covered.

The purpose of AS/NZS ISO 8253.2 is to ensure that tests of hearing, using sound field audiometry, give as high a degree of accuracy and reproducibility as possible.

This Standard is identical with, and has been reproduced from, ISO 8253-2:2009, *Acoustics — Audiometric test methods — Part 2: Sound field audiometry with pure-tone and narrow-band test signals.*

As this document has been reproduced from an International Standard, the following applies:

- (a) In the source text "this part of ISO 8253" should read "this Australian/New Zealand Standard".
- (b) A full point substitutes for a comma when referring to a decimal marker.

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The term "informative" is used in Standards to define the application of the annexes to which it applies. An "informative" annex is only for information and guidance.

Contents

Pr	eface	i					
Fo	reword	iv					
Int	troduction	v					
1	Scope						
2	Normative references						
3	Terms and definitions						
4	Test signal characteristics 4.1 General 4.2 Pure tones 4.3 FM tones 4.4 Narrow bands of noise 4.5 Harmonic distortion 4.6 Signal gating 4.7 Signal level control	3 3 2 2					
	4.7.1 Step size 4.7.2 Accuracy 4.7.3 Dynamic range 4.8 Means and scales for calibration						
5	Sound field characteristics 5.1 General 5.2 Free sound field 5.3 Diffuse sound field 5.4 Quasi-free sound field	6					
6							
7	Preparation and instruction of test subject	7					
8	Determination of hearing threshold level 8.1 General 8.2 Monaural testing 8.3 Binaural testing						
9	Testing with a hearing aid						
10							
11	Reporting of data 11.1 General 11.2 Equipment calibrated by hearing level 11.3 Equipment calibrated by sound pressure level	10 10 10					
12	Maintenance and calibration of equipment 12.1 General 12.2 Intervals between tests 12.3 Stage A: routine examination and listening tests 12.4 Stage B: periodic electroacoustic tests 12.5 Stage C: basic calibration tests	1(1(11					
An	nex A (informative) Graphical display of results	13					
	nex B (informative) Correction values for 45° and 90° angles of incidence						
Bil	bliography	16					



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