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Australian/New Zealand Standard™

Acoustics—Audiometric test methods

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

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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

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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.*

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