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Australian STANDARD

Acoustics — Statistical distribution of hearing thresholds related to age and gender

STANDARDS Australia

AS ISO 7029:2019

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Association of Australasian Acoustical Consultants
Australian Acoustical Society
Austroads
Bureau of Steel Manufacturers of Australia
Department of Defence (Australian Government)
Engineers Australia
Master Builders Australia
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Preface

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee EV-010, Acoustics Community Noise, to supersede AS ISO 7029—2003, *Acoustics—Statistical distribution of hearing thresholds as a function of age.*

The objective of this Standard is to provide descriptive statistics of the hearing threshold deviation for populations of otologically normal persons of various ages under monaural earphone listening conditions. It specifies the following, for populations within the age limits from 18 years to 80 years for the range of audiometric frequencies from 125 Hz to 8 000 Hz:

(a) The expected median value of hearing thresholds given relative to the median hearing threshold at the age of 18 years.

(b) The expected statistical distribution above and below the median value.

This Standard is identical with, and has been reproduced from, ISO 7029:2017, *Acoustics — Statistical distribution of hearing thresholds related to age and gender*.

As this document has been reproduced from an International Standard, a full point substitutes for a comma when referring to a decimal marker.

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