

Australian/New Zealand Standard™

**Occupational noise management**

**Part 1: Measurement and assessment  
of noise immission and exposure**



## **AS/NZS 1269.1:2005**

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 27 January 2005 and on behalf of the Council of Standards New Zealand on 11 February 2005.  
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The following are represented on Committee AV-003:

Association of Australian Acoustical Consultants  
Association of Consulting Engineers Australia  
Australian Acoustical Society  
Australian Chamber of Commerce and Industry  
Australian Hearing  
Department of Consumer & Employment Protection, WorkSafe Division, W.A.  
Department of Labour, New Zealand  
N.S.W. Rural Fire Service  
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# Australian/New Zealand Standard™

## Occupational noise management

### Part 1: Measurement and assessment of noise immission and exposure

Originated in Australia as part of AS 1269—1976.  
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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/NZS 1269.1:1998, *Occupational noise management, Part 1: Measurement and assessment of noise immission and exposure*.

*This Standard incorporates Amendment No. 1 (September 2005). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.*

This is Part 1 in a series of Standards as follows:

### AS/NZS

- 1269 Occupational noise management
- 1269.0 Part 0: Overview and general requirements
- 1269.1 Part 1: Measurement and assessment of noise immission and exposure (this Standard)
- 1269.2 Part 2: Noise control management
- 1269.3 Part 3: Hearing protector program
- 1269.4 Part 4: Auditory assessment

The objective of this series of Standards is to provide requirements and guidance on all facets of occupational noise management. It is recommended that the reader refer to all Parts of AS/NZS 1269 to better understand all relevant terminology and objectives of occupational noise management.

The objective of this Part is to provide requirements and guidance on the types of noise assessment which may be required, the general objectives of an assessment and the instrumentation and procedures needed to carry it out.

The objective of this revision is to confirm the existing Standard with a few minor changes.

Where the number of an IEC Standard is provided in brackets after an Australian Standard number the IEC Standard applies to New Zealand only and the Australian Standard applies to Australia only.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

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## STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

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**Australian/New Zealand Standard**  
**Occupational noise management**

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**Part 1: Measurement and assessment of noise immission and exposure**

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**1 SCOPE**

This Standard sets out requirements for, and provides guidance on, the types of noise assessments which may be necessary and suitable noise measuring instruments to carry them out. The procedures for noise measurement are also included.

The type and detail of assessments carried out will depend on the use that is to be made of the information obtained.

The type of measuring instruments and procedures to be used for the measurement of noise levels will depend on such factors as the type of workplace, type of noise, work patterns and information required.

**2 REFERENCED DOCUMENTS**

The following documents are referred to in this Standard:

**AS**

- 1259 Acoustics—Sound level meters\*
- 1259.1 Part 1: Non-integrating
- 1259.2 Part 2: Integrating—Averaging
- 1591 Acoustics—Instrumentation for audiometry
- 1591.5 Part 5: Wide band artificial ear
- 2533 Acoustics—Preferred frequencies for measurement
- 2680 Acoustics—Performance for tape recording equipment for use in acoustical measuring systems

**AS IEC**

- 61672 Electroacoustics—Sound level meters
- 61672.1 Part 1: Specifications
- 61672.2 Part 2: Pattern evaluation tests

**AS ISO**

- 1999 Acoustics—Determination of occupational noise exposure and estimation of noise-induced hearing impairment

**AS/NZS**

- 1269 Occupational noise management
- 1269.0 Part 0: Overview and general requirements
- 1269.2 Part 2: Noise control management
- 1269.3 Part 3: Hearing protector program
- 2243 Safety in laboratories
- 2243.5 Part 5: Non-ionizing radiations—Electromagnetic, sound and ultrasound

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\* The AS 1259 series has been superseded by AS IEC 61672, Parts 1 and 2 but remains available for existing users. Following the completion of the AS IEC 61672 series, the AS 1259 series will be withdrawn.