## Australian/New Zealand Standard®

## **Occupational noise management**

Part 1: Measurement and assessment of noise immission and exposure

#### AS/NZS 1269.1:1998

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee AV/3, Acoustics, Human Effects. It was approved on behalf of the Council of Standards Australia on 31 December 1997 and on behalf of the Council of Standards New Zealand on 15 January 1998. It was published on 5 March 1998.

The following interests are represented on Committee AV/3:

Acoustical Consulting Interests, New Zealand Association of Australian Acoustical Consultants Australian Acoustical Society Australian Chamber of Commerce and Industry Australian Hearing Services Australian and New Zealand Environment and Conservation Council Department of Bush Fire Services, New South Wales Department of Labour, New Zealand New South Wales Nurses Association Royal Institution of Naval Architects, Australia Safety Institute of Australia The Association of Consulting Engineers, Australia The Institute of Marine Engineers, Australia/New Zealand Division Victorian WorkCover Authority WorkCover N.S.W. WorkSafe, Western Australia

Additional interests participating in preparation of Standard:

Australian Institute of Occupational Hygienists Compensation Court of New South Wales Composites Institute of Australia Institute of Environmental Science and Research, New Zealand

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

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### PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee AV/3, Acoustics, Human Effects, to supersede, in part, AS 1269—1989, Acoustics—Hearing conservation.

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

AS/NZS

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

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.

Since its introduction as an Australian Standard in 1976, AS 1269 has undergone revisions in 1979, 1983 and 1989. The major change from the 1989 edition is the splitting of the Standard into five Parts, with each Part of the series being an expansion of a relevant section in the 1989 edition. The series reflects changes in technology and where applicable, follows guidance and techniques given in relevant International Standards. The series also reflects the change from the concept of a 'noise dose' to that of 'noise exposure'. Exposure has an absolute value which is independent of the noise exposure criterion.

Other changes are the expansion of the noise reduction section to emphasize noise control as the primary goal of an occupational noise management program, the provision of more detailed guidance on the implementation and management of noise control and hearing protector programs, the improvement of procedures for auditory assessment and the publication of the series as Joint Standards Australia/Standards New Zealand documents.

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.

Page

### **CONTENTS**

#### 1 SCOPE 4 2 REFERENCED DOCUMENTS ..... 4 3 DEFINITIONS ..... 5 4 MEASURES OF NOISE EMISSION, IMMISSION AND EXPOSURE ..... 7 5 TYPES OF NOISE ASSESSMENT ..... 9 INSTRUMENTATION AND CALIBRATION ..... 6 10 7 NOISE MEASUREMENT PROCEDURES ..... 12 8 NOISE EVALUATION 15 9 CHECKLISTS ..... 18

#### **APPENDICES**

Α	COMPETENCY AND TRAINING OF PEOPLE UNDERTAKING	
	DETAILED NOISE ASSESSMENTS	21
В	TOPICS RECOMMENDED FOR INCLUSION IN A	
	TRAINING COURSE FOR NOISE ASSESSMENT	22
С	RECOMMENDED PROCEDURES FOR MEASUREMENT OF SOUND	
	PRESSURE LEVELS FROM HEADPHONES OR INSERT EARPHONES	24
D	GENERAL INFORMATION ON AUXILIARY MEASURING DEVICES	26
E	PROCEDURE FOR DETERMINATION OF $E_{A,T}$ , $L_{Aeq,T}$ AND $L_{Aeq,8h}$	29
F	RELATIONSHIP BETWEEN $L_{Aeq,8h}$ AND $E_{A,T}$ VALUES	37
G	NOISE ASSESSMENT REPORT PROFORMA	38

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