



## **Acoustics—Description and measurement of environmental noise**



This Australian Standard® was prepared by Committee EV-010, Acoustics Community Noise. It was approved on behalf of the Council of Standards Australia on 8 August 2018. This Standard was published on 24 August 2018.

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The following are represented on Committee EV-010:

- Association of Australian Acoustical Consultants
  - Australian Acoustical Society
  - Austroads
  - Bureau of Steel Manufacturers of Australia
  - Department of Defence (Australian Government)
  - Engineers Australia
  - National Acoustic Laboratories
  - University of Sydney
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This Standard was issued in draft form for comment as DR AS 1055:2018.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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AS 1055:2018

Australian Standard<sup>®</sup>

## **Acoustics—Description and measurement of environmental noise**

Originated as part of AS 1055—1973.  
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1055.3:1989.  
Revised and redesignated as AS 1055:2018.

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## PREFACE

This Standard was prepared by the Australian Committee EV-010, Acoustics, Community Noise, to supersede AS 1055.1—1997, *Acoustics—Description and measurement of environmental noise, Part 1: General procedures*, AS 1055.2—1997, *Acoustics—Description and measurement of environmental noise, Part 2: Application to specific situations*, and AS 1055.3—1997, *Acoustics—Description and measurement of environmental noise, Part 3: Acquisition of data pertinent to land use*.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard. The previous three-part AS 1055 series has been consolidated into this single document.

The objective of this Standard is for use in the evaluation of environmental noise in order to meet the needs of public bodies and persons interested in its management. It applies primarily to noise emitted from industrial, commercial and residential premises, and is intended for use in the evaluation of existing problems, as well as for planning purposes. It may be used for noise that includes impulsive components, but it is not suitable for noise that consists solely of discrete impulses (e.g. shooting, blasting).

The objective of this revision is to reflect the technological advances in acoustical measurement techniques since the previous revision of 1997 and different approaches taken by regulatory authorities in Australia to the measurement and assessment of environmental noise.

This Standard is not a regulatory document and users should identify the relevant requirements of regulatory authorities and the details of specific requirements laid down in each State or Territory.

It has been assumed that the user of this Standard is adequately trained in the science of acoustics and thoroughly experienced in noise measurement and assessment, but to familiarize the user with some of the special terms introduced in this Standard, an example of its application is included (see Appendix A).

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendices 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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Appendix E has been reprinted, with permission, from Torben Holm Pedersen: Amendment to ‘Audibility of Impulsive Sounds in Environmental Noise’ in *Inter-Noise 2000 Proceedings*, DELTA AV1533/00.

## CONTENTS

	<i>Page</i>
FOREWORD.....	4
1 SCOPE.....	5
2 NORMATIVE DOCUMENTS .....	5
3 DEFINITIONS.....	6
4 SYMBOLS .....	9
5 INSTRUMENTATION.....	10
6 MEASUREMENTS .....	11
7 INFORMATION TO BE RECORDED FOR GENERAL SOUND LEVEL SURVEYS .....	18
8 INVESTIGATION OF SPECIFIC ENVIRONMENTAL NOISE SITUATIONS .....	19
9 SPECIFICATION OF NOISE LIMITS.....	22
10 CHECKING COMPLIANCE WITH NOISE LIMITS .....	24
11 PREDICTION OF NOISE LEVELS .....	25
12 UNCERTAINTY IN MEASUREMENTS .....	26
APPENDICES	
A GUIDELINES FOR THE APPLICATION OF THIS STANDARD.....	27
B DIAGRAMMATIC REPRESENTATION OF STEADY SOUND WITH STEPPED VARIATIONS OF LEVEL .....	31
C BEAUFORT WIND SCALE .....	32
D OBJECTIVE METHODS FOR APPLICATION OF A TONAL ADJUSTMENT IN RECEIVER NOISE .....	33
E OBJECTIVE METHOD FOR APPLICATION OF AN IMPULSE ADJUSTMENT TO RECEIVER NOISE.....	38
F METHODS FOR ASSESSING UNCERTAINTY .....	49
BIBLIOGRAPHY.....	51

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