

Australian Standard[®]

**ACOUSTICS—METHODS FOR
THE MEASUREMENT OF ROAD
TRAFFIC NOISE**

This Australian standard was prepared by Committee AK/5, Community Noise. It was approved on behalf of the Council of the Standards Association of Australia on 7 February 1984 and published on 6 April 1984.

The following interests are represented on Committee AK/5:

Australian Acoustical Society
Australian and New Zealand Pulp and Paper Industry Technical Association
Australian Institute of Health Surveyors
Australian Institute of Petroleum Limited
Australian Road Research Board
Bureau of Steel Manufacturers of Australia
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PREFACE

This standard was prepared by the Association’s Committee on Community Noise.

As road traffic noise is the chief community noise source at the majority of urban sites, it is necessary to standardize methods for measurement of this noise and for the collection of associated data.

At the time of preparation of this standard, a number of descriptors of traffic noise are in use throughout the world. One of these is the descriptor L_{10} (18 hours) which is used in the United Kingdom and has been widely used in Australia. For details of a measurement and prediction method, see Calculation of Road Traffic Noise, Department of Environment, Welsh Office, HMSO, London, July, 1975. The International Organization for Standardization Technical Committee (ISO/TC 43), however, recommends the use of the descriptor $L_{Aeq,T}$. Both the above descriptors are used in this draft standard. It is recommended that further consideration be given to the use in Australia of the descriptor $L_{Aeq,T}$ as additional experience is gained. Thus, wherever possible it is recommended that $L_{Aeq,T}$ be measured together with any other traffic noise descriptor.

Prior knowledge of acoustics is required in order to use this standard.

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