

Australian Standard™

**Acoustics—Measurement of sound  
absorption in a reverberation room**



This Australian Standard was prepared by Committee AV-004, Acoustics Architectural. It was approved on behalf of the Council of Standards Australia on 12 December 2005.

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The following are represented on Committee AV-004:

Association of Australian Acoustical Consultants  
Australian Acoustical Society  
Australian Building Codes Board  
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Australian Defence Force Academy  
Australian Hearing  
National Measurement Institute  
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Australian Standard™

## **Acoustics—Measurement of sound absorption in a reverberation room**

Originated as AS 1045—1971.  
Previous edition AS 1045—1988.  
Revised and redesignated as AS ISO 354—2006.

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## PREFACE

This Standard was prepared by the Joint Standards Australian/Standards New Zealand Committee AV-004, Acoustics Architectural to supersede AS 1045—1988, *Acoustics—Measurement of sound absorption in a reverberation room*. 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.

This Standard is identical to ISO 354:2003, *Acoustics—Measurement of sound absorption in a reverberation room*.

The objective of this Standard is to specify a method of measuring the sound absorption coefficient of acoustical materials used as wall or ceiling treatments, or the equivalent sound absorption area of objects, such as furniture, persons or space absorbers, in a reverberation room.

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For Australia only, this Standard provides for the use of the following Australian Standards in place of particular International Standards referenced herein:

<i>Reference to International Standard*</i>		<i>Australian or Australian/New Zealand Standard</i>	
IEC		AS/NZS	
61260	Electroacoustics—Octave-band and fractional-octave-band filters	4476	Acoustics—Octave-band and fractional-octave-band filters
ISO		AS	
266	Acoustics—Preferred frequencies	2533	Acoustics—Preferred frequencies and band centre frequencies

The term ‘normative’ has been used in this Standard to define the application of the annex to which it applies. A ‘normative’ annex is an integral part of a Standard.

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\* Only referenced International Standards that have been adopted an Australian Standard have been listed.

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