

Australian Standard™

**Sound systems for emergency purposes
(IEC 60849:1998 MOD)**

This Australian Standard was prepared by Committee FP-002, Fire Detection, Warning, Control and Intercom Systems. It was approved on behalf of the Council of Standards Australia on 11 March 2004 and published on 23 April 2004.

The following are represented on Committee FP-002:

- Audio Engineering Society
- Australasian Fire Authorities Council
- Australian Building Codes Board
- Australian Chamber of Commerce and Industry
- Australian Electrical and Electronic Manufacturers Association
- Australian Government Analytical Laboratories, Scientific Services Laboratory
- Australian Industry Group
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(IEC 60849:1998 MOD)**

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PREFACE

This Standard was prepared by the Standards Australia Committee FP-002, Fire Detection, Warning, Control and Intercom Systems to supersede, in part (emergency warning portions), AS 2220.1—1989, *Emergency warning and intercommunication systems in buildings—Equipment, design and manufacture*.

The objective of this Standard is to specify the equipment requirements for a sound system used to assist in the safe evacuation of building occupants in the event of a fire alarm or other emergency.

This Standard is an adoption with national modifications and has been reproduced from IEC 60849:1998, *Sound systems for emergency purposes*, and has been varied as indicated to take account of Australian conditions. The national modifications include a reference to installation requirements contained in AS 1670.4 and maintenance requirements contained in AS 1851 in preference to the requirements in IEC 60849.

Variations to IEC 60849:1998 are indicated at the appropriate places throughout this Standard. Strikethrough ~~(example)~~ identifies IEC text, tables and figures, which, for the purposes of this Australian Standard, are deleted. Where text, tables or figures are added, each is set in its proper place and identified by shading **(example)**. Added figures are not themselves shaded, but are identified by a shaded border.

An optional test for c.i.e. required to operate outside the range -5°C to $+40^{\circ}\text{C}$ is specified in Clause 5.7 c).

AS/NZS 3100 shall be read in conjunction with this Standard.

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- (a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
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The term ‘informative’ has been used in this Standard to define the application of the Appendix to which it applies. An ‘informative’ Appendix is only for information and guidance.

This Standard incorporates commentary on some of the clauses. The commentary directly follows the relevant clause, is designated by ‘C’ preceding the clause number and is printed in italics in a box. The commentary is for information only and does not need to be followed for compliance with the Standard.

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