

Australian Standard™

**Fire detection, warning, control and
intercom systems—System design,
installation and commissioning**

**Part 4: Sound systems and intercom
systems for emergency purposes**

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 17 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 Industry Group
Australian Institute of Building Surveyors
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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 AS 2220.2—1989, *Emergency warning and intercommunication systems in buildings*, Part 2: *System design, installation and commissioning*.

The objective of this Standard is to specify the design, installation and commissioning requirements for an evacuation and intercommunication system used in a building for the safe evacuation of the building occupants in the event of a fire alarm.

AS 2220.2—1989 specified requirements for the installation of emergency warning and intercommunication systems. This part of AS 1670 is drafted on the basis of functions that are to be provided on all sound systems and intercom systems for emergency purposes and optional functions (with requirements), which may be provided. The optional functions enable the system to be installed to include either the warning functions or the intercom functions, or both. It is intended that the options be used for specific applications when required.

For the first time this Standard permits the installation of specific components that comply with international equipment Standards (issued as AS Standards) and EN 54, *Fire detection and fire alarm systems*. Committee FP-002 intends to withdraw existing Australian equipment Standards where international Standards exist; however, this will take effect five years after the publication of the Australian adoption of the international Standards.

This Standard will be referenced in the Building Code of Australia 2004, thereby superseding AS 2220.2—1989, which will be withdrawn 12 months from the date of publication of this Standard.

This Standard may be used in conjunction with the fire detection system installation requirements specified in AS 1670.1 to form a complete fire detection, warning, control and intercom system.

Maintenance requirements for control and indicating equipment are given in AS 1851, *Maintenance of fire protection equipment*.

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.

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