

Australian Standard™

**Fire detection, warning, control and  
intercom systems—Control and  
indicating equipment**

**Part 4: Intercommunication 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 18 February 2004 and published on 22 April 2004.

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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 Manufacturers Association  
Australian Industry Group  
Australian Institute of Building Surveyors  
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Originated as part of AS 2220—1978.  
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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 2220.1—1989, *Emergency warning and intercommunication systems in buildings, Part 1: Equipment design and manufacturer*.

This Standard will be referenced in the Building Code of Australia 2004.

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

Changes to this edition include the following:

- (a) Addition of the EMC test for telephone handset.
- (b) Stipulation of a maximum earpiece sound pressure level of 95dB(A).
- (c) Disallowance of direct calling between WIP phones, to enable the Chief Warden to stay in control during an incident.

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

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.

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## STANDARDS AUSTRALIA

## Australian Standard

## Fire detection, warning, control and intercom systems—Control and indicating equipment

## Part 4: Intercommunication systems for emergency purposes

## SECTION 1 SCOPE AND GENERAL

**1.1 SCOPE**

This Standard specifies requirements for control and indicating equipment (CIE) used in intercommunication systems.

**1.2 APPLICATION**

The requirements of this Standard apply to the CIE in an intercommunication system installed in accordance with AS 1670.4.

The Standard is also applicable where the CIE is interfaced with a building management and control system or is linked to ancillary equipment.

**1.3 REFERENCED DOCUMENTS**

The following documents are referred to in this Standard:

## AS

- |        |  |
|--------|--|
| 1670   | Fire detection, warning, control and intercom systems—System design, installation, and commissioning |
| 1670.4 | Part 4: Sound systems and intercom systems for emergency purposes                                    |
| 2484   | Fire—Glossary of terms   |
| 2484.2 | Part 2: Fire detection and firefighting equipment  |
| 2706   | Numeric values—Rounding and interpretation of limiting values  |
| 4428   | Fire detection, warning, control and intercom systems—Control and indicating equipment               |
| 4428.0 | Part 0: General requirements and methods of test   |
| 4428.5 | Part 5: Power supply units   |
| 60849  | Sound system for emergency purposes  |

## AS/NZS

- |        |   |
|--------|---|
| 1591   | Acoustics—Instrumentation for audiometry                                      |
| 1591.5 | Wide band artificial ear  |
| 3100   | Approval and test specification—General requirements for electrical equipment |

## AS/ACIF

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|------|---|
| S004 | Voice frequency performance requirements for Customer Equipment |
|------|---|