



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

**Part 5: Special hazards systems**



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 9 March 2016.

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The following are represented on Committee FP-002:

- Association of Hydraulic Services Consultants Australia
  - Australasian Fire and Emergency Service Authorities Council
  - Australian Building Codes Board
  - Australian Chamber of Commerce and Industry
  - Australian Industry Group
  - Australian Institute of Building Surveyors
  - CSIRO
  - Deafness Forum of Australia
  - Department of Human Services, Vic.
  - Engineers Australia
  - Fire Protection Association Australia
  - National Electrical and Communications Association
  - National Fire Industry Association
  - Property Council of Australia
  - Society of Fire Safety
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## PREFACE

This Standard was prepared by the Standards Australia Committee FP-002, Fire Detection, Warning, Control and Intercom Systems as a companion Standard to AS 1670.1 for special hazards system detection, indication and control in conjunction with Standards Australia Committee FP-011, Special Hazard Fire Protection Systems.

The objective of this Standard is to set out requirements for the design, installation and commissioning of special hazards detection, actuation and control systems comprising components complying with the requirements of the relevant equipment Standards itemized in AS 1670.1.

Notes to Clauses in this Standard do not form a mandatory part for compliance with this Standard. They are of an advisory nature only and are used to give explanation or guidance to the user on recommended considerations or technical procedures, or to provide an informative cross-reference to other document or publications.

Figures provided in this Standard are informative.

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 a Commentary on some Clauses. The Commentary directly follows the relevant Clause, is designated by 'C' preceding the Clause number and is printed in italics in a panel. The Commentary is for information only and does not need to be followed for compliance with the Standard.*

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## STANDARDS AUSTRALIA

## Australian Standard

**Fire detection, warning, control and intercom systems—System design,  
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## Part 5: Special hazards systems

## SECTION 1 SCOPE AND GENERAL

**1.1 SCOPE**

This Standard sets out requirements for the design, installation and commissioning of special hazards detection, actuation and control systems comprising components complying with the requirements of the relevant product Standards itemized in AS 1670.1.

**1.2 APPLICATION**

The fire detection, actuation and control systems shall meet the requirements of the relevant Australian Standard for the extinguishing agent and comply with AS 1670.1 except as specified by this Standard.

This Standard may be varied to meet the specific design requirements of the special hazards extinguishing agent.

**1.3 NORMATIVE REFERENCES**

The following are the normative reference documents in this Standard:

## AS

1603 Automatic fire detection and alarm systems

1603.11 Part 11: Visual warning devices

1670 Fire detection, warning, control and intercom systems—System design,  
installation and commissioning

1670.1 Part 1: Fire

## AS/NZS

3013 Electrical installations—Classification of the fire and mechanical performance  
of wiring system elements

## ISO

7731 Ergonomics—Danger signals for public and work areas—Auditory danger  
signals

8201 Acoustics—Audible emergency evacuation signal

**1.4 DEFINITIONS**

For the purpose of this Standard, the definitions given in AS 1670.1 shall apply.