



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

Part 5: Special hazards systems

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 - 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
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 - Department of Human Services, Vic.
 - Engineers Australia
 - Fire Protection Association Australia
 - National Electrical and Communications Association
 - National Fire Industry Association
 - Property Council of Australia
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-

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Australian Standard[®]

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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.

CONTENTS

| | <i>Page</i> |
|--|-------------|
| SECTION 1 SCOPE AND GENERAL | |
| 1.1 SCOPE..... | 4 |
| 1.2 APPLICATION | 4 |
| 1.3 NORMATIVE REFERENCES | 4 |
| 1.4 DEFINITIONS..... | 4 |
| 1.5 ABBREVIATIONS | 5 |
| 1.6 MEASUREMENTS | 5 |
| 1.7 SYSTEM DESIGN | 5 |
| SECTION 2 SPECIAL HAZARDS DETECTION, ACTUATION AND CONTROL SYSTEMS | |
| 2.1 GENERAL..... | 7 |
| 2.2 AUTOMATIC DETECTION..... | 7 |
| 2.3 SUPPRESSION SYSTEM ACTIVATION | 7 |
| 2.4 DETECTOR SPACING..... | 7 |
| 2.5 TIME DELAY FUNCTION..... | 8 |
| 2.6 REMOTE MONITORING..... | 8 |
| 2.7 CONTROL AND INDICATING EQUIPMENT..... | 8 |
| 2.8 AUDIBLE ALARMS AND VISUAL WARNING DEVICES | 9 |
| 2.9 OPERATION..... | 10 |
| 2.10 LOCAL CONTROL STATION (LCS) | 10 |
| 2.11 CABLING | 11 |
| 2.12 COMMISSIONING..... | 11 |
| APPENDIX A DUAL DETECTION LAMP TEST GUIDE | 12 |

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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 Electric 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

3201 Acoustics—Audible emergency evacuation signal

1.4 DEFINITIONS

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