

Australian Standard™

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

Part 3: Fire alarm monitoring

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 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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Part 3: Fire alarm monitoring

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PREFACE

This Standard was prepared by Standards Australia Committee FP-002, Fire Detection, Warning, Control and Intercom Systems, to supersede AS 1670.3—1997, *Fire detection, warning, control and intercom systems—System design, installation and commissioning, Part 1: Monitoring network performance*.

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

The objective of this Standard is to achieve the reliable monitoring of fire systems installed in buildings by a remotely located monitoring service and to transfer alarm signals to a fire despatch centre.

Changes to this edition include the following:

- (a) Primary and secondary links for monitored sites are no longer required.
- (b) Monitoring networks to meet the requirements for individual sites and network reliability of all sites.
- (c) Provision for the use of single telecommunications path.

The term 'normative' has been used in this Standard to define the application of the appendix to which it applies. A 'normative' appendix is an integral part of a Standard.

CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE	4
1.2 APPLICATION	4
1.3 REFERENCED DOCUMENTS	4
1.4 DEFINITIONS	5
SECTION 2 DESIGN CRITERIA	
2.1 MAXIMUM TRANSFER TIME	6
2.2 CONNECTION BETWEEN THE MONITORED SITE AND MONITORING CENTRE	6
2.3 MONITORING CENTRE	6
2.4 MONITORING CENTRE POWER SOURCE.....	7
2.5 CONNECTION BETWEEN MONITORING CENTRE EQUIPMENT AND FIRE DISPATCH CENTRE	8
SECTION 3 ASSESSMENT	9
APPENDIX A NETWORK RELIABILITY	11

STANDARDS AUSTRALIA

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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard sets out requirements for the monitoring of fire alarm systems except where existing systems operated by a fire service are permitted by State and Territory regulations. The Standard specifies the requirements for the connection between the monitored fire alarm system and the fire dispatch centre and includes requirements for the monitoring equipment (see Figure 1).

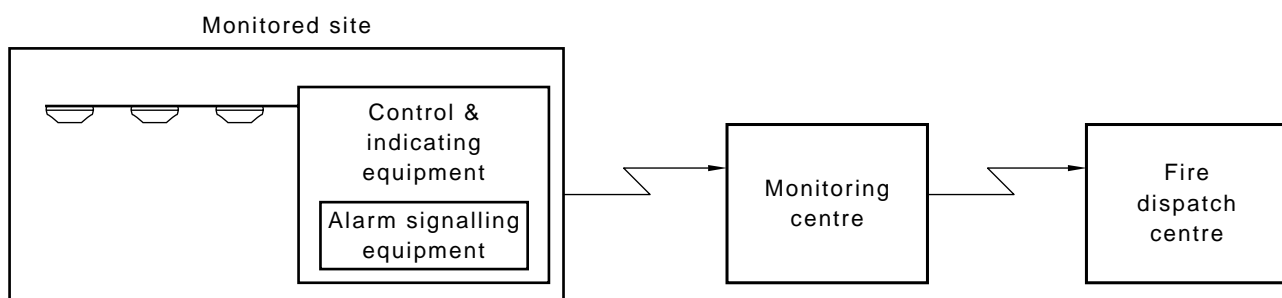


FIGURE 1 BLOCK DIAGRAM OF FIRE ALARM MONITORING

1.2 APPLICATION

This Standard applies to the monitoring network from the output of the alarm signalling equipment (ASE) to the input of the fire dispatch centre. The monitoring network includes the network interface (e.g., modem).

1.3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

- | | |
|--------|--|
| 2484 | Fire—Glossary of terms |
| 2484.2 | Part 2: Fire protection and firefighting equipment |
| 3011 | Electrical installations—Secondary batteries installed in buildings |
| 3011.1 | Part 1: Vented cells |
| 3011.2 | Part 2: Sealed cells |
| 4418 | Supervisory control and data acquisition (SCADA)—Generic telecommunications interface and protocol |
| 4418.2 | Part 2: Fire alarm systems |