

Australian Standard™

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

Part 10: Alarm investigation

This Australian Standard was prepared by Committee FP/2, Fire Detection, Warning, Control and Intercom Systems. It was approved on behalf of the Council of Standards Australia on 29 May 1998 and published on 5 August 1998.

The following interests are represented on Committee FP/2:

Audio Engineering Society
Australasian Fire Authorities Council
Australian Building Codes Board
Australian Chamber of Commerce and Industry
Australian Chamber of Manufactures
Australian Electrical and Electronic Manufacturers Association
Commonwealth Fire Board
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee FP/2, Fire Detection, Warning, Control and Intercom Systems, to provide a specification for alarm investigation facilities to be installed in conjunction with fire indicator panels complying with the requirements of AS 4428.1—1998, *Fire detection, warning, control and intercom systems—Control and indicating equipment*, Part 1: *Fire*.

The objective of the Standard is to enable the installation of alarm investigation facilities, where permitted by the fire authorities, and provide the site management with means of reducing the unwanted spurious alarm calls being transmitted to the fire brigades and possibly preventing them from attending a real fire. The alarm investigation facility can only operate in a situation where there are trained staff in attendance.

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.

This Standard incorporates commentary on some of the clauses. The commentary directly follows the relevant clause, is designated by ‘C’ preceding the clause number and is printed in italics in a box. 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

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Control and indicating equipment

Part 10: Alarm investigation

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE This Standard specifies the functional requirements and the performance criteria for the alarm investigation facility (AIF) used in automatic fire detection and alarm systems.

1.2 APPLICATION The requirements of this Standard apply to the AIF forming part of any fire detection and alarm system installed in accordance with AS 1670.1 and AS 1670.2. This includes but is not limited to fire indicator panels (FIP) and subindicator panels (SIP) complying with the requirements of AS 4428.1.

The AIF is to be incorporated only in detection systems where staff trained in its operation are present and the inclusion of the AIF has been sanctioned by the local fire authority.

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
- 1670.1 Part 1: Fire
- 1670.2 Part 2: Local fire
- 2484 Fire—Glossary of terms
- 2484.2 Part 2: Fire protection and firefighting equipment
- 2706 Numerical 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 test methods
- 4428.1 Part 1: Fire

AS/NZS

- 3100 Approval and test specification—General requirements for electrical equipment

1.4 DEFINITIONS For the purpose of this Standard the definitions given in AS 1670.1, AS 2484.2 and those below, apply.

1.4.1 Acknowledge—to initiate an action, as a user of the system, to accept an indicated condition.

1.4.2 AIF acknowledgment time—the time from an initial alarm until automatic transmission of the alarm via the alarm signalling equipment (ASE).

1.4.3 AIF investigation time—the time from manual acknowledgment until automatic transmission of an alarm via the ASE.