

AS 1670.1:2024



STANDARDS  
Australia

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

Part 1: Fire



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AS 1670.1:2024

This Australian Standard ® was prepared by FP-002, Fire Detection, Warning, Control and Intercom Systems. It was approved on behalf of Standards Australia's Standards Development and Accreditation Committee on 18 June 2024.

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The following are represented on Committee FP-002:

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

## Part 1: Fire

Originated as part of CA15—1961.

AS 1670.1—1995 and AS 1670.2—1997 revised, amalgamated and redesignated as AS 1670.1:2004.

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## Preface

This document was prepared by the Standards Australia Committee FP-002, Fire Detection, Warning, Control and Intercom Systems, to supersede AS 1670.1:2018.

The objective of this Standard is to provide uniform minimum requirements for the design, installation and commissioning of fire detection and alarm systems comprising components conforming with the requirements of applicable component Standards.

The major changes in this edition are as follows:

- (a) Defined a building to resolve confusion regarding the minimum requirements on a site with multiple structures.
- (b) Withdrew definition of “fault tolerant” and use of term throughout the document.
- (c) Modified [Clause 2.1.1](#) to clarify the limited application of AS 7240.13 for compatibility.
- (d) Clarified that STI need only be met where live speech is provided.
- (e) Removed the dispensation to meet STI where VADs are installed.
- (f) Lowered the STI requirement in car parks.
- (g) Clarified the STI measurement requirements in SOUs.
- (h) Provided greater flexibility in cable marking.
- (i) Clarified the termination requirements of optical fibre cables.
- (j) Introduced various changes to permit wall mounting of smoke detectors.
- (k) Clarified the requirements of smoke detectors in concealed spaces.
- (l) Adopted air change in place of air exchange to clarify the application of [Table 5.1.5](#).

The terms “normative” and “informative” have been used in this Standard to define the application of the appendices to which they apply. A “normative” appendix is an integral part of a Standard, whereas an “informative” appendix is for information and guidance.

*This document incorporates commentary on some clauses. The commentary directly follows the relevant clause, is designated by “C” preceding the clause number and appears in italics in a box. Commentary is for information purposes only.*

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