

**AS 1670.4:2018**  
(Incorporating Amendment No. 1)



**STANDARDS**  
Australia



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

**Part 4: Emergency warning and intercom systems**



AS 1670.4:2018

This Australian Standard® was prepared by FP-002, Fire Detection, Warning, Control and Intercom Systems. It was approved on behalf of the Council of Standards Australia on 29 November 2018.

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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 Health and Human Services, Vic.
- Engineers Australia
- Fire Protection Association Australia
- National Electrical and Communications Association
- National Fire Industry Association
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- Society of Fire Safety

This Standard was issued in draft form for comment as DR AS 1670.4:2018.

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

## **Part 4: Emergency warning and intercom systems**

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## Preface

This Standard was prepared by the Standards Australia Committee FP-002, Fire Detection, Warning, Control and Intercom Systems, to supersede AS 1670.4 —2015, *Fire detection, warning, control and intercom systems — System design, installation and commissioning, Part 4: Emergency warning and intercom systems*.

**A1** This Standard incorporates Amendment No. 1 (November 2021). The start and end of changes introduced by the Amendment are indicated in the text by tags including the amendment number 1. **A1**

The objective of this Standard is to specify the design, installation and commissioning requirements for emergency warning systems and emergency intercom systems used in buildings for the evacuation of building occupants in the event of a fire or other type of emergency.

**A1** This Standard specifies the use of emergency warning control and indicating equipment (EWCIE) which conforms to AS 4428.16, Grade 1.

The changes in this revision of this Standard are as follows:

- (a) Revision of the definitions.
- (b) Alignment of common clauses and appendices with AS 1670.1.
- (c) Restructured clauses to improve readability and comprehension.
- (d) Added Clause 2.1.101 EWS as a part of a FDAS.
- (e) Upgrading the connectable devices clause (2.1.4) to accommodate the use of mobile devices.
- (f) Reviewed Clause 2.4.
- (g) Revised Clause 2.5 with concessions to reduce the costs of EWS/EWIS in large single compartments.
- (h) Revised Clause 4.7 in relation to car parks. **A1**

Maintenance requirements for emergency warning and intercom systems are given in AS 1851.

Appendices have been aligned with AS 1670.1 where the topics are the same.

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 only for information and guidance.

This edition also permits the use of two editions of relevant Standards relating to components. See [Table 1.8](#) for the list of relevant editions of the Standards which apply throughout this document.

**A1** [Text deleted] **A1**

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