



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

Part 4: Emergency intercom control and indicating equipment



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 3 October 2016.

This Standard was published on 25 October 2016.

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

This Standard was issued in draft form for comment as DR AS 4428.4:2015.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

Keeping Standards up-to-date

Australian Standards® are living documents that reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued.

Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments that may have been published since the Standard was published.

Detailed information about Australian Standards, drafts, amendments and new projects can be found by visiting **www.standards.org.au**

Standards Australia welcomes suggestions for improvements, and encourages readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at **mail@standards.org.au**, or write to Standards Australia, GPO Box 476, Sydney, NSW 2001.

AS 4428.4:2016

Australian Standard[®]

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

**Part 4: Emergency intercom control and
indicating equipment**

Originated as part of AS 2220—1978.
Previous edition AS 2220.1—1989.
Revised and redesignated as AS 4428.4—2004.
Second edition 2016.

COPYRIGHT

© Standards Australia Limited

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher, unless otherwise permitted under the Copyright Act 1968.

Published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001, Australia

ISBN 978 1 76035 593 7

PREFACE

This Standard was prepared by the Standards Australia Committee FP-002, Fire Detection, Warning, Control and Intercom Systems, to supersede AS 4428.4—2004, *Fire detection, warning, control and intercom systems—Control and indicating equipment, Part 4: Intercommunication systems for emergency purposes*.

This standard is referenced in AS 1670.4, *Fire detection, warning, control and intercom systems—System design, Installation and commissioning, Part 4: Sound systems and intercom systems for emergency purposes*.

The objective of this Standard is to specify the equipment requirements for intercommunication systems used to assist in the safe evacuation of building occupants in the event of a fire alarm or other emergency.

This Standard clarifies the integration requirements with an EWCIE and also aligns testing requirements with AS 4428.16:2015.

Statements expressed in mandatory terms in notes to figures and tables are deemed to be requirements of this Standard.

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.

CONTENTS

	<i>Page</i>
FOREWORD.....	4
1 SCOPE	5
2 NORMATIVE REFERENCES.....	5
3 DEFINITIONS AND ABBREVIATIONS	6
4 GENERAL REQUIREMENTS	7
5 REQUIREMENTS FOR INDICATIONS.....	8
6 QUIESCENT CONDITION	8
7 WIP CALL CONDITION	9
8 FAULT WARNING CONDITION	10
9 ZONE CLEARED CONDITION—OPTIONAL FUNCTION.....	12
10 MANUAL CONTROL OF NETWORKED EICIE—OPTIONAL FUNCTION.....	12
11 MANUAL CONTROLS FOR EICIE	12
12 INTERFACE TO EXTERNAL CONTROL DEVICE(S)—OPTIONAL FUNCTION.....	13
13 DESIGN REQUIREMENTS	13
14 ADDITIONAL DESIGN REQUIREMENTS FOR SOFTWARE-CONTROLLED EICIE	18
15 MARKING.....	21
16 TESTS.....	21
17 TEST REPORT	34
APPENDICES	
A COMMON INDICATIONS, CONTROLS AND OUTPUTS WHEN THE EICIE AND EWCIE ARE COMBINED	35
B EXPLANATION OF ACCESS LEVELS	36
C DESIGN FOR SOFTWARE-CONTROLLED EICIE	38
BIBLIOGRAPHY.....	39

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- Looking for additional Standards? Visit Intertek Inform Infostore
 - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-