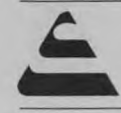


*Under Revision DR 92201
Superseded by AS¹²⁵ 2293.2:1995*

AS 2293.2



**Standards
Association of
Australia**



Australian Standard[®] 2293.2—1987

EMERGENCY EVACUATION LIGHTING IN BUILDINGS

Part 2—INSPECTION AND MAINTENANCE



This Australian Standard was prepared by Committee LG/7, Emergency Lighting in Buildings. It was approved on behalf of the Council of the Standards Association of Australia on 26 May 1987 and published on 3 August 1987.

The following interests are represented on Committee LG/7:

Association of Consulting Engineers Australia
Australian Electrical and Electronic Manufacturers Association
Building Owners and Managers Association of Australia Limited
Confederation of Australian Industry
Department of Employment and Industrial Relations
Department of Housing and Construction
Electricity Supply Association of Australia
Government of New South Wales
Government of Queensland
Government of South Australia
Government of Tasmania
Government of Victoria
Government of Western Australia
Illuminating Engineering Societies of Australia
Insurance Council of Australia Ltd
State fire authorities

Review of Australian Standards. To keep abreast of progress in industry, Australian Standards are subject to periodic review and are kept up-to-date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.

Full details of all SAA publications will be found in the Catalogue of SAA Publications; this information is supplemented each month by SAA's journal 'The Australian Standard', which subscribing members receive, and which gives details of new publications, new editions and amendments, and of withdrawn Standards.

Suggestions for improvements to Australian Standards, addressed to the head office of the Association, are welcomed. Notification of any inaccuracy or ambiguity found in an Australian Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

This Standard was issued in draft form for comment as DR 86085.

AUSTRALIAN STANDARD

EMERGENCY EVACUATION LIGHTING IN BUILDINGS

Part 2 INSPECTION AND MAINTENANCE

AS 2293.2—1987

First published as AS 2293, Part 2	1979
Second edition	1982
Third edition	1987



PUBLISHED BY THE STANDARDS ASSOCIATION OF AUSTRALIA
STANDARDS HOUSE, 80 ARTHUR ST, NORTH SYDNEY, N.S.W.

ISBN 0 7262 4670 0

PREFACE

This Standard was prepared by the Association's Committee on Emergency Lighting in Buildings to supersede AS 2293, Part 2—1982.

The most significant changes introduced in this edition are as follows:

- (a) Elimination of dependence on the requirements of AS 2293.1 so as to make this Standard more readily applicable to the maintenance of installations which pre-date the requirements of or which were otherwise not required to comply with AS 2293.1.
- (b) A reduction in the duration of the discharge test to align with the duration of operation required by the Australian Model Uniform Building Code (see Clauses 2.2.6(a) and 3.2(a)).
- (c) The requirement that a full discharge test on self-contained emergency luminaires and exit signs be carried out at 6-monthly intervals rather than 12-monthly as previously specified (see Clause 3.2(a)). This change has been made based on the shorter life expectancy of the batteries used in these applications, when compared with batteries of central systems, and the beneficial effects of more frequent discharge/charge cycles in maintaining batteries in a satisfactory condition.
- (d) The inclusion of a new appendix (Appendix B) giving advice on the cleaning of emergency luminaires and exit signs (see Appendix B).

The changes have primarily resulted from consideration of submissions from the New South Wales Department of Local Government and are aimed at making the Standard more suited for calling up by cross-reference in building regulations.

CONTENTS

	<i>Page</i>
SECTION 1. SCOPE AND GENERAL	
1.1 SCOPE	3
1.2 REFERENCED DOCUMENTS	3
1.3 DEFINITIONS	3
1.4 GENERAL REQUIREMENTS	3
SECTION 2. INSPECTION AND MAINTENANCE PROCEDURES FOR CENTRAL SYSTEMS	
2.1 SIX-MONTHLY PROCEDURES	4
2.2 TWELVE-MONTHLY PROCEDURES	4
SECTION 3. INSPECTION AND MAINTENANCE PROCEDURES FOR SINGLE-POINT SYSTEMS	
3.1 GENERAL	6
3.2 SIX-MONTHLY PROCEDURES	6
3.3 TWELVE-MONTHLY PROCEDURES	6
3.4 BATTERY REPLACEMENT	6
APPENDICES	
A INFORMATION TO FACILITATE THE MAINTENANCE OF BATTERIES AND BATTERY CHARGERS	7
B CLEANING OF EMERGENCY LUMINAIRES AND EXIT SIGNS	8

© Copyright — STANDARDS ASSOCIATION OF AUSTRALIA 1987

Users of Standards are reminded that copyright subsists in all SAA publications. Except where the Copyright Act otherwise allows, no part of this publication may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing of the Standards Association of Australia. Requests for permission should be directed to the Head Office of the Association. Where such requests relate to the reproduction of the whole or a substantial part of any Standard, permission may be conditional on an appropriate royalty payment.

STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard

EMERGENCY EVACUATION LIGHTING IN BUILDINGS

PART 2—INSPECTION AND MAINTENANCE

SECTION 1. SCOPE AND GENERAL

1.1 SCOPE. This Standard sets out the periodic inspection and maintenance procedures which are necessary to ensure that emergency evacuation lighting systems will be in a state of readiness for operation at all times.

NOTE: AS 2293.1 requires the provision of an operating and maintenance manual to assist in conducting the inspection and maintenance checks required by this Standard.

1.2 REFERENCED DOCUMENTS. The following Standards are referred to in this Standard:

- AS 1042 Direct-acting Indicating Electrical Measuring Instruments and Their Accessories.
- AS 1680 Code of Practice for Interior Lighting and the Visual Environment.
- AS 1680G Reflectance Gauge.
- AS 2293.1 Emergency Evacuation Lighting in Buildings.
Part 1: Design and Installation.
- AS 2668 Water for Use in Secondary Batteries.

1.3 DEFINITIONS. For the purpose of this Standard, the definitions given in AS 2293.1 apply.

1.4 GENERAL REQUIREMENTS.

1.4.1 Maintenance of the installation. Emergency evacuation lighting systems shall be inspected and maintained in accordance with the relevant procedures specified in this Standard. The inspection and maintenance procedures shall be carried out only by persons having qualifications and experience suitable for the work on which they are engaged.

1.4.2 Maintenance records. A logbook in a durable hard-bound cover, or an alternative system approved by the Inspecting Authority, shall be provided for the recording of maintenance information. The following details shall be entered:

- (a) All details which are required to be logged in accordance with Section 2 or Section 3, as appropriate.
- (b) Any remedial or corrective action taken.
- (c) The name of the person(s) responsible for carrying out the maintenance work and the date the work was completed.

The logbook or alternative records system shall be kept on the premises at all times, or at such other location as may be approved by the Inspecting Authority.