

Australian/New Zealand Standard™

Emergency lighting and exit signs for buildings

Part 2: Routine service and maintenance

Originated in Australia as AS 2293.2—1979.
Originated in New Zealand as part of NZS 6742:1971.
Previous edition AS/NZS 2293.2:1995.
Fourth edition 2019.

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ISBN 978 1 76072 421 4

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee LG-007, Emergency Lighting for Buildings, to supersede AS/NZS 2293.2:1995, *Emergency escape lighting and exit signs for buildings, Part 2: Inspection and maintenance*.

The objective of this Standard is to establish the performance criteria for the routine service and maintenance of emergency lighting and exit sign systems, such that they continue to safeguard occupants until the next scheduled activity from injury by having adequate emergency lighting and identification of exits, and provide direction to exits in accordance with the approved design.

The changes in this edition are primarily a consequence of alterations made in AS/NZS 2293.1:2018 and AS/NZS 2293.3:2018.

The following changes of significance have been introduced:

- (a) The layout has been aligned with AS 1851, *Routine service of fire protection systems and equipment*. A series of tables and figures has been introduced to simplify application, and reduce duplication and complexity.
- (b) Introduction of—
 - (i) baseline data against which maintenance and ongoing system performance requirements are measured;
 - (ii) concept of routine service, including preventative maintenance;
 - (iii) procedures for intervals greater than 12 months;
 - (iv) concepts of critical, non-critical defect and non-conformance along with requirements for reporting;
 - (v) light source life (LSL) assessment for LED luminaires and exit signs; and
 - (vi) additional information and guidance in Appendices C, D, E, F and G.
- (c) Update references and requirements to align with most recent International and Australian Standards.

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 includes a 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 and guidance and does not form part of the Standard.

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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard sets out requirements and test procedures for the routine service and maintenance necessary to ensure emergency lighting and exit sign systems are in a state of readiness for operation at all times.

1.2 APPLICATION

This Standard provides a systematic basis for minimum routine service applicable for emergency lighting and exit sign systems. It requires evidence, in the form of records and reports of completion of the periodic inspection (including survey), testing and preventive maintenance activities required by this Standard. It may also be used to develop specific routine service requirements for systems or equipment that are part of a performance solution.

NOTE: This Standard may assist users meet other obligations. Recommendations on the removal, collection, movement, disposal or recycling of components or luminaires that may contain hazardous materials, for example, fluorescent lamps (mercury) and batteries (cadmium, nickel or lead), is included in Appendix G.

1.3 NORMATIVE REFERENCES

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document:

NOTE: Documents referenced for informative purposes are provided in the Bibliography.

AS

- 2676 Guide to the installation, maintenance, testing and replacement of secondary batteries in building
- 2676.1 Part 1: Vented cells
- 2676.2 Part 2: Sealed cells

AS/NZS

- 2293 Emergency lighting and exit signs for buildings
- 2293.1 Part 1: System design, installation and operation
- 2293.3 Part 3: Emergency luminaires and exit signs

IEC

- 62485 Safety requirements for secondary batteries and battery installations
- 62485-1 Part 1: General safety information
- 62485-2 Part 2: Stationary batteries