

Australian/New Zealand Standard™

**Emergency escape lighting and exit
signs for buildings**

Part 2: Inspection and maintenance



AS/NZS 2293.2:1995

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Association of Consulting Engineers Australia
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Australian Electrical and Electronic Manufacturers Association
Australian Institute of Building Surveyors
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Emergency escape lighting and exit signs for buildings

Part 2: Inspection and maintenance

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee LG/7, Emergency Lighting in Buildings, to supersede AS 2293.2—1987* and, in part, NZS 6742:1971†.

This Standard incorporates Amendment No. 1 (May 1998), Amendment No. 2 (August 2008) and Amendment No. 3 (December 2012). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

The Standard sets out requirements for the periodic inspection and maintenance procedures which should be instituted for emergency evacuation lighting systems. The objective of these requirements is to ensure that such lighting systems will be in a state of readiness for operation at all times.

The changes in this edition are primarily a consequence of alterations made in AS/NZS 2293.1—1995‡. The following changes of significance have been introduced:

- (a) New procedures are specified for the monitoring of emergency lighting systems which are provided with automatic discharge test facilities (see Clauses 2.2.7.2, 2.3.7.2 and 3.2.2.2).
- (b) A requirement has been added for a visual check on an annual basis to ensure that emergency luminaires and exit signs operate in correct relationship to the normal lighting in the designated area (see Clauses 2.3.6(c) and 3.3(c)).
- (c) For indirect emergency lighting systems, a check is required of the aiming of emergency luminaires of the directional beam type (see Clauses 2.2.6 and 3.2.3).
- (d) For central systems which reticulate d.c., a new requirement is specified for measurement of the maximum voltage during boost charging, where applicable (see Clause 2.3.7.1).

Attention is drawn to the guidance given in AS 2676.1§ and AS 2676.2§ in relation to the maintenance of batteries used in central systems. Provision has been made for the maintenance of battery systems which is carried out in accordance with AS 2676.1 or AS 2676.2 to be accepted in lieu of the comparable requirements of this Standard (see Clause 2.1).

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

* AS 2293.2—1987 Emergency evacuation lighting in buildings
Part 2: Inspection and maintenance

† NZS 6742:1971 Code of practice for emergency lighting in buildings

‡ AS/NZS 2293.1:1995 Emergency evacuation lighting for buildings
Part 1: System design, installation and operation

§ AS 2676 Guide to the installation, maintenance, testing and replacement of secondary batteries in buildings

AS 2676.1 Part 1: Vented cells

AS 2676.2 Part 2: Sealed cells

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Australian/New Zealand Standard
Emergency escape lighting and exit signs for 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. It applies to central and single-point emergency lighting systems, as defined in AS/NZS 2293.1.

1.2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

- | | |
|--------|---|
| 1042 | Direct-acting indicating electrical measuring instruments and their accessories |
| 1680 | Interior lighting |
| 1680.1 | Part 1: General principles and recommendations |
| 2668 | Water for use in secondary batteries |
| 2676 | Guide to the installation, maintenance, testing and replacement of secondary batteries in buildings |
| 2676.1 | Part 1: Vented cells |
| 2676.2 | Part 2: Sealed cells |

AS/NZS

- | | |
|--------|---|
| 2293 | Emergency evacuation lighting for buildings |
| 2293.1 | Part 1: System design, installation and operation |

1.3 DEFINITIONS

For the purpose of this Standard, the definitions given in AS/NZS 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.

NOTE: Section 7 of AS/NZS 2293.1 specifies the provision of an operating and maintenance manual to assist in conducting the inspection and maintenance checks required by this Standard. It requires that the information listed in Appendix A of this Standard be included in the manual for the guidance of maintenance personnel.

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