AS/NZS 60335.2.82:2018
IEC 60335-2-82 Ed 3 (2017)
(Incorporating Amendment No. 1)

Australian/New Zealand Standard™

Household and similar electrical appliances – Safety

Part 2.82: Particular requirements for amusement machines and personal service machines

Documents
Document Sharing Hub

Full document details: AS NZS 60335.2.82-2018 (2021)

AS/NZS 60335.2.82:2018

This Joint Australian/New Zealand Standard™ was prepared by Joint Technical Committee EL-002, Safety of Household and Similar Electrical Appliances and Small Power Transformers and Power Supplies. It was approved on behalf of the Council of Standards Australia on 24 October 2018 and by the New Zealand Standards Approval Board on 6 November 2018.

This Standard was published on 30 November 2018.

The following are represented on Committee EL-002:

Association of Accredited Certification Bodies
Australian Industry Group
Business New Zealand
Consumer Electronic Suppliers Association, Australia
Consumers' Federation of Australia
Electrical Regulatory Authorities, Australia
Electrical consultants
Engineers Australia
JAS-ANZ
National Retailers Association (Australia)
New Zealand Electric Fence Energizer Manufacturers' Standards Group
Testing Interests New Zealand
WorkSafe, New Zealand

This Standard was issued in draft form for comment as DR AS/NZS 60335.2.82:2021.

Keeping Standards up-to-date

Ensure you have the latest versions of our publications and keep up-to-date about Amendments, Rulings, Withdrawals, and new projects by visiting:

www.standards.org.au

www.standards.govt.nz

ISBN 978 1 76072 235 7

Documents
Document Sharing Hub

Full document details: AS NZS 60335.2.82-2018 (2021)

AS/NZS 60335.2.82:2018
IEC 60335-2-82 Ed 3 (2017)
(Incorporating Amendment No. 1)

Australian/New Zealand Standard™

Household and similar electrical appliances – Safety

Part 2.82: Particular requirements for amusement machines and personal service machines

Originated as AS/NZS 3350.2.82:2000.
Jointly revised and redesignated AS/NZS 60335.2.82:2006.
Jointly revised and redesignated AS/NZS 60335.2.82:2015.
Jointly revised and redesignated AS/NZS 60335.2.82:2018.
Reissued incorporating Amendment No 1 (June 2021).

© IEC Geneva Switzerland 2021 — All rights reserved
© Standards Australia Limited/the Crown in right of New Zealand, administered by the New Zealand Standards Executive 2021

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 either the IEC or the publisher, unless otherwise permitted under the Copyright Act 1968 (Cth) or the Copyright Act 1994 (New Zealand). If you have any questions about IEC copyright or have an enquiry about obtaining additional rights to this publication, please see the contact details on the back cover or the contact us page of the website for further information.

Documents
Document Sharing Hub

Full document details: AS NZS 60335.2.82-2018 (2021)

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

AS/NZS 60335.2.82:2018

HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES – SAFETY –

Part 2.82: Particular requirements for amusement machines and personal service machines

Foreword

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-002 - Safety of Household and Similar Electrical Appliances and Small Power Transformers to supersede AS/NZS 60335.2.82:2015 three years from the date of publication. During this period AS/NZS 60335.2.82:2015 will also remain current. Regulatory authorities that reference this Standard in regulation may apply these requirements at a different time. Users of this Standard should consult with these authorities to confirm their requirements.

The objective of this Standard is to provide manufacturers, designers, regulatory authorities, testing laboratories and similar organizations with safety requirements designed to give the user protection against hazards that might occur during normal operation and abnormal operation of the appliance and which may be used as the basis for approval for sale or for connection to the electricity supply mains in Australia and New Zealand.

The text of IEC 60335-2-82 Ed 3, prepared by IEC Technical Committee TC 61, was submitted to the Standards Australia/Standards New Zealand Combined Procedure (dual public comment and committee vote) for adoption of the IEC standard as a Standards Australia/Standards New Zealand joint standard.

The principal changes in this edition as compared with the 2015 edition of AS/NZS 60335.2.82 are as follows (minor changes are not listed):

– It is clarified that 22.44 is not applicable to amusement machines;
– Modified some Notes to make them normative text (5.6, 11.2, 11.8, 15.2.101, 15.2.102, 15.2.104, 15.3, 19.4, 19.101, 24.101, 24.102).
– Reference to 22.106 is made in Annex R;
– the text has been aligned with the 2011 Edition of Part 1.

A1 DOW 25/6/23

This Standard is an adoption with national modifications of the third edition of IEC 60335-2-82, *Household and similar electrical appliances – Safety – Part 2-82: Particular requirements for amusement machines and personal service machines*. It has been varied as indicated to take account of Australian and New Zealand conditions.

The text of IEC 60335-2-82 edition 3 amendment 1, prepared by IEC Technical Subcommittee TC 61, was submitted to the Standards Australia/Standards New Zealand Combined Procedure (dual public comment and committee vote) for adoption as an amendment to the Standards Australia/Standards New Zealand joint standard AS/NZS 60335.2.82:2018.

A1 DOA 25/6/23

This standard incorporates Amendment No. 1 (June 2021). The changes introduced by amendments are indicated in the text by a marginal bar and amendment number against the part affected. Where an application date other than immediate is applicable to an amendment the date of application (DOA) and the date of withdrawal (DOW) if relevant, is indicated by the marginal bar against the part affected. Unless otherwise indicated, the application date of the changes introduced by Amendment No. 1 is 25 June 2023.

NOTE: Regulatory authorities that reference this Standard in regulation may apply these amendment requirements at a different time. Users of this Standard should consult with these authorities to confirm their requirements

Documents
Document Sharing Hub

© Standards Australia Limited/Standards New Zealand 2021

Full document details: AS NZS 60335.2.82-2018 (2021)

A1 DOA 25/6/23 This standard is an adoption with national modifications of the third edition of IEC 60335-2-82, *Household and similar electrical appliances – Safety – Part 2-82: Particular requirements for amusement machines and personal service machines* including its amendment 1 (2020). It has been varied as indicated to take account of Australian and New Zealand conditions.

This part 2 has to be used in conjunction with the latest edition of AS/NZS 60335.1 *Household and similar electrical appliances – Safety – Part 1: General requirements* and its Amendments.

A1 It was established on the basis of AS/NZS 60335.1:2020.

This part 2 supplements or modifies the corresponding clauses of AS/NZS 60335.1 so as to convert it into the Australian/New Zealand Standard: Safety requirements for amusement machines and personal service machines.

When a particular subclause of Part 1 is not mentioned in this part 2, that subclause applies as far as is reasonable. When this standard states "addition", "modification" or "replacement", the relevant text of Part 1 is to be adapted accordingly.

NOTE 1 The following numbering system is used:

– subclauses, tables and figures that are numbered starting from 101 are additional to those in Part 1;
– unless notes are in a new subclause or involve notes in Part 1, they are numbered starting from 101, including those in a replaced clause or subclause;
– additional annexes are lettered AA, BB, etc.;
– subclauses, notes and annexes that are additional to those in the IEC standard are prefixed with the letters AZ.

NOTE 2 The following print types are used:

– requirements: in roman type;
– *test specifications: in italic type*;
– notes: in small roman type.

Words in **bold** in the text are defined in Clause 3.

p NOTE 3 In this document, p is used in the margin to indicate instructions for preparing a consolidated version.

The essential safety requirements in AS/NZS 3820[1] that could be applicable to requirements for amusement machines and personal service machines are covered by this standard.

A1 DOW 25/6/23 The national variations to IEC 60335-2-82 Ed 3 form the Australian and New Zealand national variations for purposes of the IECEE scheme for recognition of results of testing to standards for safety of electrical equipment (the CB scheme).

A1 DOA 25/6/23 The national variations to IEC 60335-2-82 Ed 3.1 form the Australian and New Zealand national variations for purposes of the IECEE scheme for recognition of results of testing to standards for safety of electrical equipment (the CB scheme).

[1] AS/NZS 3820 *Essential safety requirements for electrical equipment*

Documents
Document Sharing Hub
© Standards Australia Limited/Standards New Zealand 2021
Full document details: AS NZS 60335.2.82-2018 (2021)

A1 DOW 25/6/23 The text of the International Standard IEC 60335-2-82 Ed 3 was approved as a joint Australia/New Zealand Standard with the agreed national variations as given below.

A1 DOA 25/6/23 The text of the International Standard IEC 60335-2-82 Ed 3.1 was approved as a joint Australia/New Zealand Standard with the agreed national variations as given below.

AUSTRALIAN NATIONAL VARIATIONS

A1 There are no national variations to this Part 2 other than those listed in the national variations in AS/NZS 60335.1:2020.

NEW ZEALAND NATIONAL VARIATIONS

A1 There are no national variations to this Part 2 other than those listed in the national variations in AS/NZS 60335.1:2020.

Documents
Document Sharing Hub

© Standards Australia Limited/Standards New Zealand 2021

Full document details: AS NZS 60335.2.82-2018 (2021)

Annex ANZ
(normative)
Normative references to international publications with their corresponding joint Australia/New Zealand publications

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by national variations the relevant joint Australia/New Zealand publications applies if the national variations are needed to ensure the safety of the appliance for Australia/New Zealand conditions. These international publications are indicated by (mod). If an international publication is not so indicated, then either it or the listed Australia/New Zealand publication may be used.

Publication	Year	Title	AS/NZS	Year
IEC 60068-2-52	1996	*Environmental testing – Part 2: Tests – Test Kb: Salt mist, cyclic (sodium, chloride solution)*		
IEC 62368-1 (mod)		*Audio/video, information and communication technology equipment Part 1: Safety requirements*	62368.1	

Documents
Document Sharing Hub
© Standards Australia Limited/Standards New Zealand 2021
Full document details: AS NZS 60335.2.82-2018 (2021)

Documents
Document Sharing Hub

© Standards Australia Limited/Standards New Zealand 2021

Full document details: AS NZS 60335.2.82-2018 (2021)

CONTENTS

FOREWORD 3
INTRODUCTION 6
1 Scope 7
2 Normative references 8
3 Terms and definitions 8
4 General requirement 10
5 General conditions for the tests 10
6 Classification 10
7 Marking and instructions 10
8 Protection against access to live parts 12
9 Starting of motor-operated appliances 12
10 Power input and current 12
11 Heating 12
12 Void 12
13 Leakage current and electric strength at operating temperature 12
14 Transient overvoltages 12
15 Moisture resistance 12
16 Leakage current and electric strength 13
17 Overload protection of transformers and associated circuits 13
18 Endurance 13
19 Abnormal operation 13
20 Stability and mechanical hazards 15
21 Mechanical strength 15
22 Construction 15
23 Internal wiring 16
24 Components 17
25 Supply connection and external flexible cords 18
26 Terminals for external conductors 18
27 Provision for earthing 18
28 Screws and connections 18
29 Clearances, creepage distances and solid insulation 18
30 Resistance to heat and fire 19
31 Resistance to rusting 19
32 Radiation, toxicity and similar hazards 19
Annexes 20
Bibliography 21

Documents
Document Sharing Hub
© Standards Australia Limited/Standards New Zealand 2021
Full document details: AS NZS 60335.2.82-2018 (2021)