

Australian/New Zealand Standard™

**Household and similar electrical
appliances—Safety**

**Part 2.6: Particular requirements for
stationary cooking ranges, hobs, ovens
and similar appliances
(IEC 60335-2-6 Ed 6.1, MOD)**



AS/NZS 60335.2.6:2014

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. It was approved on behalf of the Council of Standards Australia on 12 November 2014 and on behalf of the Council of Standards New Zealand on 10 November 2014.

This Standard was published on 28 November 2014.

The following are represented on Committee EL-002:

Association of Accredited Certification Bodies
Australian Industry Group
National Retailers Association (Australia)
Business New Zealand
Consumer Electronic Suppliers Association, Australia
Consumers' Federation of Australia
Electrical Regulatory Authorities, Australia
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This Standard was issued in draft form for comment as DR 14902.

Australian/New Zealand Standard™

Household and similar electrical appliances—Safety

Part 2.6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances (IEC 60335-2-6 Ed 6.1, MOD)

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

AS/NZS 60335.2.6:2014

HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES –
SAFETY –Part 2.6: Particular requirements for stationary cooking ranges,
hobs, ovens and similar appliances

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 60335.2.6:2008 three years from the date of publication.

A2

This Standard incorporates Amendment No. 1 (November 2015). 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. 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 AS/NZS 60335.2.6:2014 is 28 November 2017 and the application date of the changes introduced by Amendment No. 1 is 30 November 2017. Up until these dates it is anticipated that regulatory authorities will approve stationary cooking ranges, hobs, ovens and similar appliances as follows

A2
DOA
28/6/21

- Up to 28 November 2017: AS/NZS 60335.2.6:2008 including its amendments or AS/NZS 60335.2.6:2014 or AS/NZS 60335.2.6:2014 + A1:2015;
- After 28 November 2017 and up to 30 November 2017: AS/NZS 60335.2.6:2014 or AS/NZS 60335.2.6:2014 + A1:2015;

After 30 November 2017: AS/NZS 60335.2.6:2014 + A1:2015.

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 60335-2-6 Ed 6, 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.

A2
DOA
28/6/21

The text of IEC 60335-2-6 edition 6 amendment 1, 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 as an amendment to the Standards Australia/Standards New Zealand joint standard AS/NZS 60335.2.6:2014.

The principal changes in this edition as compared with the 2008 edition of AS/NZS 60335.2.6 and its amendments are as follows (minor changes are not listed).

- introduction of requirements for steam ovens;
- introduction of requirements for ovens intended for use on ships;

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- clarified requirements for oven shelf construction and test;
- introduction of optional values for the accessible surface temperatures of ovens;
- introduction of stabilising means including warnings;
- clarified representative periods for various appliances (Clause 10);
- introduction of a spillage test for built-in under-bench ovens.

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This Standard is an adoption with national modifications of the sixth edition of IEC 60335-2-6, *Household and similar electrical appliances – Safety – Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances*. It has been varied as indicated to take account of Australian and New Zealand conditions.

A2
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28/6/21

This standard incorporates Amendment No.1 (November 2015) and Amendment No. 2 (June 2019). The changes introduced by the 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. 2 is 28 June 2021.

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

This standard is an adoption with national modifications of the sixth edition of IEC 60335-2-6, *Household and similar electrical appliances – Safety – Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances* including its amendment 1 (2018). 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. It was established on the basis of AS/NZS 60335.1:2011.

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 appliances for stationary cooking ranges, hobs, ovens and similar appliances.

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 3820¹ that could be applicable to requirements for stationary cooking ranges, hobs, ovens and similar appliances are covered by this standard.

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

A2
DOW
28/6/21 | The national variations to IEC 60335-2-6 Ed 6 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).

A2
DOA
28/6/21 | The national variations to IEC 60335-2-6 Ed 6.1 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).

A2
DOW
28/6/21 | The text of the International Standard IEC 60335-2-6 Ed 6 was approved as a joint Australia/New Zealand Standard with the agreed national variations as given below.

A2
DOA
28/6/21 | The text of the International Standard IEC 60335-2-6 Ed 6.1 was approved as a joint Australia/New Zealand Standard with the agreed national variations as given below

AUSTRALIAN NATIONAL VARIATIONS

The following national variations to this Part 2 are additional to those listed in the national variations of AS/NZS 60335.1:2011.

2 Normative references

Insert the following variation:

*Approval and test specification— AS/NZS 3190
Residual current devices (current
operated earth-leakage devices)*

3 Terms and definitions

A1 | p 3.1.201 This definition in Part 1 is Not applicable

7 Marking and instructions

A1 | p 7.1 The variation in the second paragraph of the requirement in Part 1 is not applicable.

After the third paragraph *insert* the following variation:

Built-in hobs that require a board in order to meet the temperature limits of 11.8 shall be marked with the substance of the following caution.

CAUTION: The surface temperature exceeds 95 °C. To avoid a hazard, under bench access must be restricted. Refer to the installation instructions.

p 7.15 After the second paragraph *insert* the following variation:

The caution specified in Clause 7.1 for **built-in hobs** shall be marked adjacent to the supply entry on the underside of the **hob**.

10 Power input and current

A1 | p 10.1 The variation in the last paragraph of the test specification in Part 1 is not applicable.

11 Heating

p 11.1 *Insert* the following variation as a second paragraph to the addition:

*For **hobs** compliance is also checked by the test of 11.301.*

A1 | p 11.7 The variation in the second paragraph of the test specification in Part 1 is not applicable.

p 11.8 The variation in the second paragraph of the test specification in Part 1 is not applicable.

p 11.101 *Replace* the paragraph immediately before Table 102 with the following variation:

During the test, the temperature rise of surfaces shall not exceed the values specified in Table 102.

p 11.301 After clause 11.101 *insert* the following variation:

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