

AS/NZS IEC 62301:2014
IEC 62301, Ed. 2.0 (2011)

AS/NZS IEC 62301:2014

Australian/New Zealand Standard™

**Household electrical appliances—
Measurement of standby power**



AS/NZS IEC 62301:2014

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-015, Quality and Performance of Household Electrical Appliances. It was approved on behalf of the Council of Standards Australia on 28 March 2014 and on behalf of the Council of Standards New Zealand on 14 February 2014. This Standard was published on 16 April 2014.

The following are represented on Committee EL-015:

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Business New Zealand
CHOICE
Consumer Electronics Association of New Zealand
Consumer Electronics Suppliers Association
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This Standard was issued in draft form for comment as DR AS/NZS IEC 62301.

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Australian/New Zealand Standard™

Household electrical appliances— Measurement of standby power

Originated as AS/NZS 62301(Int.):2003.
Second edition AS/NZS 62301:2005.
Jointly revised and designated AS/NZS IEC 62301:2014.

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Jointly published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001 and by Standards New Zealand, Private Bag 2439, Wellington 6140.

ISBN 978 1 74342 693 7

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-015, Quality and Performance of Household Electrical Appliances, to supersede AS/NZS 62301:2005, *Household electrical appliances—Measurement of standby power (IEC 62301, Ed. 1.0 (2005) MOD)*.

The objective of this Standard is to provide Australian and New Zealand electrical industries, manufacturers and regulatory bodies with a method of test to determine the power consumption of a range of household appliances and equipment in low power modes (generally where the product is not performing its main function).

This Standard is identical with, and has been reproduced from, IEC 62301, Ed. 2.0 (2011), *Household electrical appliances—Measurement of standby power*.

A number of standards and regulations currently in force, as well as some proposed regulations, reference IEC 62301, Ed. 2.0 (2011).

The major differences between this and the previous edition are as follows:

- (a) Greater detail in set-up procedures and introduction of stability requirements for all measurement methods to ensure that results are as representative as possible.
- (b) Refinement of measurement uncertainty requirements for power measuring instruments, especially for more difficult loads with high crest factor or a low power factor, or both.
- (c) Updated guidance on product configuration, instrumentation and calculation of measurement uncertainty.
- (d) Inclusion of definitions for low power modes as requested by TC59 and use of these new definitions and more rigorous terminology throughout the standard.
- (e) Inclusion of specific test conditions where power consumption is affected by ambient illumination.

As this Standard is reproduced from an International Standard, the following applies:

- (i) In the source text, 'this International Standard' should read 'this Australian/New Zealand Standard'.
- (ii) A full point substitutes for a comma when referring to a decimal marker.

None of the normative references in the source document have been adopted as Australian or Australian/New Zealand references.

The terms 'normative' and 'informative' are used to define the application of the annex to which they apply. A 'normative' annex is an integral part of a standard, whereas an 'informative' annex is only for information and guidance.

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