

AS/NZS 62301:2005

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Australian/New Zealand Standard™

**Household electrical appliances—  
Measurement of standby power  
(IEC 62301, Ed. 1.0 (2005) MOD)**



## **AS/NZS 62301:2005**

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 17 October 2005 and on behalf of the Council of Standards New Zealand on 28 October 2005. This Standard was published on 16 November 2005.

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The following are represented on Committee EL-015:

Australian Consumers' Association  
Australian Electrical and Electronic Manufacturers Association  
Australian Industry Group  
Australian Retailers Association  
Business New Zealand  
Consumer Electronics Suppliers Association  
Consumers' Federation of Australia  
Department of Energy, Utilities and Sustainability (NSW)  
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## 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(Int):2003 on publication.

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 standby mode (generally where the product is not performing its main function).

This Standard is an adoption with national modifications and has been reproduced from IEC 62301, Ed. 1.0 (2005), *Household electrical appliances—Measurement of standby power*, and has been varied as indicated to take account of Australian/New Zealand conditions.

Variations to IEC 62301, Ed. 1.0 (2005) are indicated at the appropriate places throughout this standard. Strikethrough (~~example~~) identifies IEC text, tables and figures which, for the purposes of this Australian/New Zealand Standard, are deleted. Where text, tables or figures are added, each is set in its proper place and identified by shading (**example**). Added figures are not themselves shaded, but are identified by a shaded border.

In November 2002, Australia became the first IEA country to publish a standby power strategy. The 10-year plan identifies a range of actions to address standby power across a large number of products. The Ministerial Council of Energy endorsed the 10 year plan, which has as a foundation, the use of the testing method contained herein developed by the IEC TC 59 Committee. This Standard was published as an Interim Standard in 2003 to give industry and testing laboratories the maximum time to become familiar with the likely international test method for standby and provide an extended opportunity to comment on its application.

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

- (a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
- (b) A full point has been substituted for a comma when referring to a decimal marker.
- (c) The IEC 62301 Bibliography has been renamed Annex E and Australian and New Zealand publications for measuring energy and performance have been added.

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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