

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Amendment No. 1
to
AS/NZS 62087.2.2:2011
Power consumption of audio, video and related equipment
Part 2.2: Minimum energy performance standards (MEPS) and energy rating label
requirements for television sets

REVISED TEXT

The 2011 edition of AS/NZS 62087.2.2 is amended as follows; the amendment(s) should be inserted in the appropriate place(s).

SUMMARY: This Amendment applies to the Preface, Clauses 3.3.3, 3.4, 3.5, 3.6, 4.1, 5.1, 6.2.4 (new) and 6.6 (new), and Appendices A, B and C.

Published on 29 June 2012.

Approved for publication in New Zealand on behalf of the Standards Council of New Zealand on 18 June 2012.

Preface

- 1 *Delete* the second paragraph and *replace* with the following:

Amendment 1 (2012) to this Standard changes the Star Rating Index to recalibrate the 4 star level to 1 star on the label and applies to all television sets imported into Australia on or after 1 April 2013. Amendment 1 does not change the Tier 2 MEPS requirement as specified in Clause 5.3 of this Standard.

The main changes in the 2011 revision are changing Tier 2 MEPS to 4 Stars. Also included is the correction to the label which previously referenced the incorrect Standard AS/NZS 62087.1, and it now references the correct Standard which is AS/NZS 62087.2.2. Transitional arrangements for the use of the new label are also included. Two methods of declaring standby power are now included. Method 1 can be used where there are two or less standby modes. Method 2 is to be used where there are more than two standby modes or as an alternative to Method 1 where there are two or less standby modes.

- 2 *After* the fifth paragraph *add* the following:

In New Zealand, Tier 1 MEPS and Labelling requirements will apply to all television sets manufactured in, or imported into, New Zealand on or after the date that Tier 1 MEPS and Labelling requirements are incorporated by reference into legislation.

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In New Zealand, Tier 2 MEPS and Labelling requirements are under consideration and will apply to all television sets manufactured in, or imported into, New Zealand when Tier 2 MEPS and Labelling requirements are incorporated by reference into legislation

NZ**Clause 3.3.3**

Delete existing Equation 3.2 and *replace* with the following equation:

$$\text{PAEC} = 0.365 \times (\text{television avg. on} \times 10) + (14 \text{ hour calculated standby}) \text{ kWh/year}$$

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Clause 3.4

- 1 *Delete* the last equation (after Equation 3.4) and *replace* the following equation:

$$24 \text{ hour standby} = \frac{\text{The energy measurement in Wh over a 24 hour period.}}{\text{Rounded to 1 decimal place.}}$$
 - 2 *Delete* the last paragraph and *replace* with the following:
 Method 2 is to be used when there are more than two standby modes or as an alternative to Method 1 where there are two or less standby modes. If using Method 2 the worst case continuous 14 hour standby energy use shall be declared.
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Clause 3.5

Delete existing text and *replace* with the following:

The comparative energy consumption (CEC) for a model shall be an integer in units of kilowatt-hours per year. It shall not be less than the PAEC (rounded to the nearest integer); refer also to Clause 3.3. The chosen value of the CEC appears on the energy label and is used to determine the star rating index.

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Clause 3.6

- 1 *Delete* the equation numbering and *replace* with the following, respectively:

... 3.5

... 3.6

... 3.7

- 2 *Delete* existing Equation 3.6 and *replace* with the following:

$$14 \text{ hour calculated standby} = 0.58 \times 24 \text{ hour standby} \quad \dots 3.7$$

where

$$24 \text{ hour standby} = \frac{\text{The energy measurement in Wh over a 24 hour period.}}{\text{Rounded to 1 decimal place.}}$$

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Clause 4.1

In Equation 4.1 *delete* notation list and *replace* with the following:

SRI = star rating index

log = log to base 10

CEC = comparative energy consumption

ERF = energy rating factor and is 20% or 0.2

BEC as follows:

In Australia, until 31 March 2013, and in New Zealand, when Tier 1 MEPs and Labelling requirements are incorporated by reference into legislation in New Zealand—

$$\text{BEC} = \text{base energy consumption calculated as } 127.75 + 0.1825 \times \text{Screen area (cm}^2\text{)}$$