

# Mandatory TV Labelling and MEPS

## Minimum Energy Performance Standards (MEPS) and Energy Labelling

### Implementation Dates

From 1 October 2009 Australian states and territories will introduce energy efficiency regulations for televisions. The regulations will require registration of all models imported from 1<sup>st</sup> October 2009 for supply in Australia and specify requirements for mandatory energy labelling and compliance with Minimum Energy Performance Standards (MEPS).

### Voluntary Labelling Scheme - Closed

On 1 August 2009, the voluntary energy labelling scheme for televisions, which was introduced in July 2008, was closed to new notifications of participation.

Televisions that have been recorded as participants in the voluntary labelling scheme before its conclusion on the 1<sup>st</sup> August 2009 can continue to be imported with the voluntary label until 1 February 2010 so long as they comply with the regulatory requirements and AS/NZS 62087.2.2(Int):2009.

Other televisions imported from 1<sup>st</sup> October 2009 will be required to display the mandatory energy label from the 1<sup>st</sup> October 2009.

### What is covered?

All televisions excluding the following:

- > Television sets powered from batteries.
- > Display devices that do not have a television tuner.
- > Front or rear projection display devices and televisions.

In brief any display device that is designed for the primary purpose of showing TV pictures and has a television tuner must display the specified energy rating label if imported on or after the 1<sup>st</sup> October 2009 when offered for supply. This includes multifunction TVs and combination TVs.

### How to register a television for the regulatory scheme.

All televisions imported into Australia on and after 1st October 2009 must be registered with an Australian regulator and must comply with the regulations. Registration is available at [www.reg.energyrating.gov.au/](http://www.reg.energyrating.gov.au/).

A test report is not required to be submitted as part of the registration but must be held by the manufacturer or importer and must be made available to a regulator on request. For this reason it is recommended that an electronic copy of the test report be uploaded when making a registration application.

An electronic copy of the energy rating label must be provided as part of the

registration process. Editable EPS files, which can be used to develop complying energy labels in accordance with AS/NZS 62087.2.2(Int):2009, can be accessed at <http://www.energyrating.gov.au/labels-artwork.html>. Guidance for their use is set out on that web page. You must provide your own software that is suitable to edit these files.

Instructions for use of the on-line registration system for all regulated products are available at:

[www.energyrating.gov.au/pubs/instructions-for-users.pdf](http://www.energyrating.gov.au/pubs/instructions-for-users.pdf)

### Testing Requirements

Televisions must be tested according to the measurement method in AS/NZS 62087.1(Int):2009 and the requirements as specified in AS/NZS 62087.2.2(Int):2009. The measurement method in AS/NZS 62087.1(Int) 2009 requires the use of a broadcast content test video. The standard also requires the determination of relevant passive and active standby modes. The broadcast content test materials are available with IEC 62087 Ed2 2008 from the IEC or SAI Global [www.saiglobal.com/shop/](http://www.saiglobal.com/shop/) in Australia. AS/NZS 62087.1(Int):2009 and AS/NZS 62087.2.2(Int):2009 are also available from SAI global from their website or retail outlets.

### MEPS

All televisions imported on or after 1<sup>st</sup> October 2009 must meet or exceed the Tier One MEPS, which is set at the 1 star level (called the Base Energy Consumption) on the mandatory comparative energy label for any given screen size. MEPS are assessed against an annual energy consumption figure which is based on a defined usage profile as set out in the standard.

The algorithm for determining the Tier One MEPS level and 1 star rating is set out in AS/NZS 62087.2.2 (Int) 2009



## LABELLING

All televisions imported on or after 1<sup>st</sup> October 2009 will be required to display an energy label from the 1<sup>st</sup> October 2009. The star rating is also assessed against an annual energy consumption figure which is based on the same defined usage profile used to assess MEPS.

For televisions, each additional star is earned once a 20% reduction in energy consumption from the previous star rating is achieved. For example a 2 star rated product uses 20% less energy when compared to a 1 star product, a 3 star product will use approximately 10% less energy when compared to a 2.5 star product

Star rating grades are shown in half star increments on the energy label from 1 star to

6 stars. For super efficient products that earn more than 6 stars, only whole stars are shown.

Television models that have been recorded as participants in the voluntary labelling scheme before its conclusion on the 1<sup>st</sup> August 2009 can continue to be imported with the voluntary label until 1<sup>st</sup> February 2010 so long as they comply with the regulatory requirements and AS/NZS 62087.2.2(Int):2009.

### Star Rating Calculation Formula and Tier I MEPS Line

The star energy rating is covered in detail in AS/NZS 62087.2.2(Int):2009. The measuring method is covered in AS/NZS 62087.1(Int):2009.

## Regulatory Contacts

State and NZ contacts for Minimum Energy Performance Standards applications are:

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### Queensland

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### South Australia

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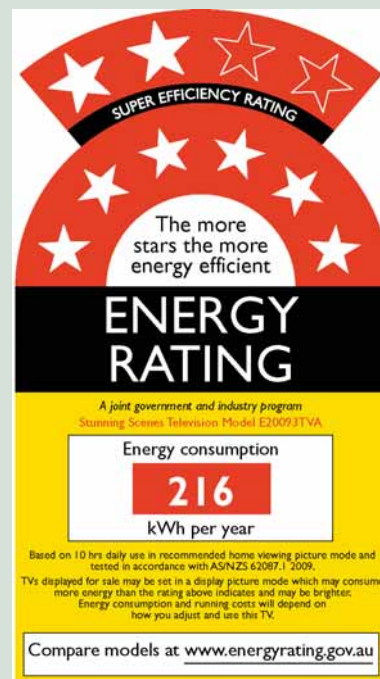
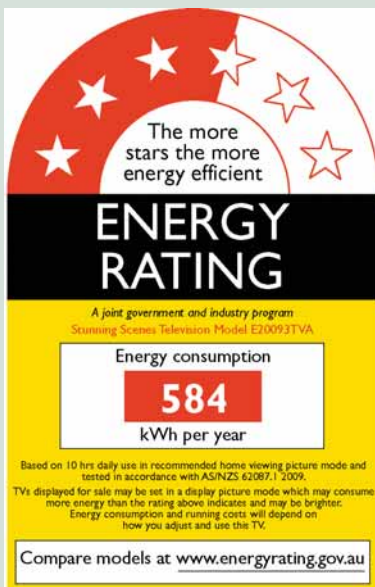
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### Examples of the Mandatory labels.



### Example of the alternate voluntary label that may be used on TVs listed under the voluntary scheme and imported before 1<sup>st</sup> Feb 2010.

The following label can only be used on models that were participants in the voluntary labelling scheme before its conclusion on the 1<sup>st</sup> August 2009.

### What happens next?

A Tier Two MEPS set equivalent to 4 stars on the mandatory comparative energy label will be implemented from October 2012 with achievability to be confirmed by a marketplace review to be undertaken and reported by April 2011.

