

Energy Labelling and MEPS program Regulatory Ruling

Ruling Number: 00037

Revision A

Revision Date 09/03/2011

This ruling has been prepared on behalf of all regulators for energy labelling and MEPS for electrical appliances in Australia and New Zealand. This ruling represents an agreed interpretation of the relevant regulations. This interpretation shall be recognised in all Australian and New Zealand jurisdictions.

Product Type: Digital television Set-Top Box

Relevant Standard AS/NZS 62087.2.1

Relevant Clause/s 1.1 Scope & appendix A

Initial Date of Draft Ruling:

Date of Standard Amendment

	NSW	QLD	SA	VIC	NZ
	Department of Water and Energy	Department of Justice and Attorney-General	Department for Transport, Energy and Infrastructure	Energy Safe Victoria	Energy Efficiency and Conservation Authority
Date Accepted	3/2/11	3/2/11	3/2/11	3/2/11	3/2/11

Subject:

Set top boxes supplied at less than 230/240Vac.

Background:

Set top boxes are subject to energy efficiency registration requirements. Such set top boxes are required to be tested at supply voltage (230/240Vac).

Some set top boxes are supplied at extra low voltage (usually 6 – 12Vac or dc) and are supplied at this voltage by an external power supply.

Set top boxes, even those operating at extra low voltage are expected to be used with televisions by general consumers with any external power supply connected to 230/240V.

Therefore irrespective of if the set top box has a 230/240V connection, or is permanently connected to a separate power supply, or has an external power supply that can be disconnected from the set top box, they will all effectively be the same product and fit within the scope of a set top box that requires energy efficiency registration.

Ruling:

- Set top boxes require energy efficiency registration if they are:
 - Directly connected to 230v or 240V
 - Connected to 230V or 240V via a power supply permanently connected to the set top box
 - Connected to 230V or 240V via an external power supply that can be disconnected from the set top box
- Set top boxes connected via an external power supply that can be disconnected from the set top box are tested with the external power supply supplied with the set top box. All energy measurements are taken with the external power supply energy consumption included.
- Set top boxes connected via an external power supply that can be disconnected from the set top box that are not supplied with an external power supply are tested with an external power supply of energy level III. All energy measurements are taken with the external power supply energy consumption included.
- Details of the external power supply used in testing is to be included in the information supplied at time of registration (brand and model number required).
- Set top box nameplate input voltage, frequency, current, power and external power supply input voltage, frequency, current, power must be supplied for registration

Proposed revisions to the Standard

Amend scope of AS/NZS 62087.2.1 to include:

- Set top boxes require energy efficiency registration if they are:
 - Directly connected to 230v or 240V
 - Connected to 230V or 240V via a power supply permanently connected to the set top box
 - Connected to 230V or 240V via an external power supply that can be disconnected from the set top box

Amend Appendix A (and on-line registration) to enable capture of required data as indicated above.