

Essential Reminder: EU Commission Sets Directive 2005/32/EC Lot 5 Television Eco-Design Requirements

The Commission of the European Union (EU) has issued a regulation implementing new energy efficiency requirements for television sets and television monitors (Lot 5). The regulation No 642/2009, which were published in July in the *Official Journal of the European Union*, is considered an implementation measure under the EU's Eco-Design Directive, 2005/32/EC, which gives the Commission the authority to establish minimum efficiency standards for energy-using products.

The new energy efficiency requirements for televisions can be found in Annex 1 of the regulation, and include power consumption limits in both on-mode and standby/off mode. Initial limits for standby/off mode power consumption go into effect as early as 7 January 2010, while initial limits for on-mode power consumption become effective 20 August 2010.

Definition

Television means a Television Set or a Television Monitor

Categories	Details
Television Set	Television Set means a product designed primarily for the display and reception of audiovisual signals which is placed on the market under one model or system designation, and which consists of: (a) a display; (b) one or more tuner(s)/receiver(s) and optional additional functions for data storage and/or display such as digital versatile disc (DVD), hard disk drive (HDD) or videocassette recorder (VCR), either in a single unit combined with the display, or in one or more separate units.
Television Monitor	Television Monitor means a product designed to display on an integrated screen a video signal from a variety of sources, including television broadcast signals, which optionally controls and reproduces audio signals from an external source device, which is linked through standardized video signal paths including cinch (component, composite), SCART, HDMI, and future wireless standards (but excluding non-standardized video signal paths like DVI and SDI), but cannot receive and process broadcast signals.

Eco-Design Requirement

On-Mode Power Consumption requirement will become effective from 20 August 2010 and Standby/off Mode Power Consumption from 7 January 2010.

Watts/dm² shall not exceed the following limits:

Mode	Power Consumption Limit
(a) Off Mode	1.00 W
(b) Standby Mode	1.00 W
(c) Standby Mode	2.00 W
(d) Availability of off-mode and/or standby-mode	
(e) For television sets which consist of a display, and one or more tuner(s)/receiver(s) and optional additional functions for data storage and/or display such as digital versatile disc (DVD), hard disk drive (HDD) or videocassette recorder (VCR) in a separate unit	Complying with (a) to (c) separate unit individually

	Full HD resolution	All other Resolutions
Television Set	20Watts + A · 1.12 · 4.3224 Watts/dm ²	20Watts + A · 4.3224 Watts/dm ²
Television monitor	15 Watts + A · 1.12 · 4.3224 Watts/dm ²	15 Watts + A · 4.3224 Watts/dm ²

* A is visible screen 's measure of area (dm²)

The complete text of the Commission's regulation regarding the eco-design of televisions is available at <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2009:191:0042:0052:EN:PDF>

How can Bureau Veritas ADT help you

Eco-design Requirements for Energy-using Products Directive 2005/32/EC encourage manufacturers to design products with the environmental impacts in mind throughout their entire life cycle in order to accelerate the move towards improving the environmental performance of energy-using products. Based on ANNEX IV – Internal design control, Bureau Veritas ADT helps customers comply with the requirements.