

Necessary content of Technical Documentation

Televisions

Televisions are covered by ecodesign requirements according to Regulation (EC) No 642/2009¹ and requirements by energy labelling according to Regulation (EU) No 1062/2010².

The requirements only apply to televisions as described in Article 1 and 2 of the above mentioned regulations.

The documentation shall be produced before the television is placed on the market.

The technical documentation shall be sufficient to enable assessment of the conformity of the television with the requirements.

In this respect it is important that test reports are included in the technical documentation.

Technical documentation for televisions

Demands	How to comply
Name and address of supplier	Company name and complete address.
General description	Description of the model so that it is easily identified (model name and number, screen size etc.) - and a list of equivalent product models, if relevant.
List of applied standards	Applied measurement standards (harmonised standards and/or other standards).
Identification and signature of the person empowered to bind the supplier	Name and signature of the person responsible for the product.
Test results and information about test conditions Apply to both ecodesign and energy labelling	Test conditions: <ul style="list-style-type: none"> • Ambient temperature • Test voltage in V and frequency in Hz • Total harmonic distortion (THD) of the electricity supply system • The input terminal for the audio and video test signals • Information and documentation on the instrumentation, set-up and circuits used for electrical testing On-mode: <ul style="list-style-type: none"> • Power consumption data in Watt (W). Data shall be rounded to first decimal place for power consumption up to 100 W and to the first integer for power consumption above 100 W • The characteristics of the dynamic broadcast-content video signal representing typical broadcast TV content • Sequence of steps to achieve stable condition with respect to power consumption • For televisions with a forced menu, the ratio of the peak luminance of the home-mode and the peak luminance of the brightest on-mode condition provided by the television should be expressed in percentage (%) • Describe the relevant characteristics of the tuner used for measurements (only relevant for television monitors)

To be continued on the next page

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Technical documentation for televisions	
Demands	How to comply
	<p>For each standby or off-mode:</p> <ul style="list-style-type: none"> • Power consumption data in Watt (W). Data shall be rounded to the second decimal place • Description of how the mode was selected or programmed • Sequence of events to reach the mode where the television automatically changes modes <p>Automatic power down:</p> <ul style="list-style-type: none"> • The duration the television takes to automatically switch from on-mode to standby or off-mode or another condition with similar low power consumption
<p>Hazardous substances Apply only to ecodesign</p>	<ul style="list-style-type: none"> • If the television contains mercury: the content of mercury as X.X mg • If the television contains lead it shall be mentioned
<p>Copy of information on website Apply only to ecodesign</p>	<p>Copy of information that shall be public available on a website (according to Regulation 642/2009/EC Annex I item 5.2).</p>
<p>Models where the data is obtained from another product model Apply to both ecodesign and energy labelling</p>	<p>Where the information in the technical documentation is based on calculation or extrapolation from another television model, details of such calculations or extrapolations shall be included. Furthermore a list of all other equivalent televisions where the information is obtained on the same basis shall be provided.</p>

The information shall only be provided if relevant. For instance televisions with backlight based on LED technology do not contain mercury.

This guide presents the contents of the Regulations and is addressed to manufacturers, importers and others interested. The guide is not a substitution for the Regulations, and in any case of doubt, the Regulations are applicable. This guide is not legally binding as a binding interpretation can only be made by the EU court.

Equivalent product means a product model placed on the market with the same technical and performance characteristics, as another product placed on the market under a different commercial name by the same manufacturer.

COMMISSION REGULATION (EC) No 642/2009 of 22 July 2009 implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for televisions

COMMISSION DELEGATED REGULATION (EU) No 1062/2010 of 28 September 2010 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to energy labelling of televisions