## Televisions

This guide presents the technical documentation that you have to provide if the market surveillance authorities ask for it. There are however other information requirements and requirements on web-information that you always need to fulfill according to the regulations.

### Technical documentation for televisions

<table>
<thead>
<tr>
<th>Demands</th>
<th>How to comply</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name and address of supplier</td>
<td>Company name and complete address.</td>
</tr>
<tr>
<td>General description</td>
<td>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.</td>
</tr>
<tr>
<td>List of applied standards</td>
<td>Applied measurement standards (harmonised standards and/or other standards).</td>
</tr>
<tr>
<td>Identification and signature of the person empowered to bind the supplier</td>
<td>Name and signature of the person responsible for the product.</td>
</tr>
<tr>
<td>Models where the data is obtained from another product model</td>
<td>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.</td>
</tr>
</tbody>
</table>
| Test conditions                                   | • 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                                           | • 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 between the peak luminance of the home-mode and the peak luminance of the brightest on-mode condition provided by the television expressed in percentage (%).  
• Description of the relevant characteristics of the tuner used for measurements. |
## Technical documentation for televisions

<table>
<thead>
<tr>
<th>Demands</th>
<th>How to comply</th>
</tr>
</thead>
</table>
| For each standby or off-mode                | • 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.                                                                                                                                         |
| Automatic power down                         | • The duration of on-mode before the television automatically switches to standby or off-mode or another condition with similar low power consumption.                                                                                                                                                                                  |
| Apply only to ecodesign                      |                                                                                                                                                                                                                                                                                                                                           |
| For networked standby                        | • Number and types of network ports, and the locations of network ports (except wireless network ports) on the equipment.  
• Declaration if the same physical network port accommodates two or more types of network ports.  
• State whether all network ports are deactivated before delivery  
• State whether equipment is a HiNA equipment or equipment with HiNA functionality.                                                                                                                                                                                                   |
| Apply only to ecodesign                      |                                                                                                                                                                                                                                                                                                                                           |
| For each type of network port               | • Default time after the power management or a similar function switches the equipment into a condition providing networked standby.  
• State the trigger used to reactivate the equipment.  
• Maximum performance specifications.  
• Maximum power consumption of the equipment in a condition providing networked standby (given the equipment is switched into this condition by power management or similar function), if this port is used to reactivate the equipment.  
• State the communication protocol used by the equipment.                                                                                                                                                                                                 |
| Apply only to ecodesign                      |                                                                                                                                                                                                                                                                                                                                           |
| Hazardous substances                         | • If the television contains mercury: the content of mercury as X.X mg.  
• If the television contains lead it shall be mentioned.                                                                                                                                                                                                                                                                           |
| Apply only to ecodesign                      |                                                                                                                                                                                                                                                                                                                                           |
| Copy of information on website              | Copy of information that shall be public available on a website (according to regulation 642/2009/EC Annex 1 item 5.2).                                                                                                                                                                                                                      |
| Apply only to ecodesign                      |                                                                                                                                                                                                                                                                                                                                           |

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.


If no information is provided, the television is considered not to be a networked television.

If no information is provided, it is considered not the case.

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

Nordic Council of Ministers
Store Strandstræde 18
DK-1255 Copenhagen K
Phone +45 33 96 02 00
Fax +45 33 96 02 02
www.norden.org