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Nordic Council of Ministers

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Content of Technical Documentation to provide to market surveillance authorities

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Computers and computer servers are covered by ecodesign requirements according to Regulation (EU) No 617/2013.
The requirements only apply to computers and computer servers as described in Article 1 and 2 of the above mentioned Regulation.
The documentation shall be produced before the computer or computer server is placed on the market.
The technical documentation shall be sufficient to enable assessment of the conformity of the computers or computer server with the requirements. In this respect it is important that test reports are included in the technical documentation.

Computers and computer servers

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

Technical documentation for computers and computer servers

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, 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.
Product information, measure ment results and test condi tions Apply to all: desktop computer, integrated computer, notebook com-puter, workstation, mobile workstation, desktop thin client, small-scale server, and computer server. More requirements for desktop computer, integrated computer, and notebook computer below.	**Product information and measurement results** • Internal power supply efficiency at 10%, 20%, 50% and 100% of rated output power. ← The computer shall comply with the minimum internal power supply efficiency requirements set in Regulation Annex II. • External power supply efficiency. • Noise levels (the declared A-weighted sound power level) of the computer • Maximum power (Watts). ← Applies only to workstation, mobile workstation, desktop thin client, small-scale server and computer server. • Idle state power demand in Watts. • Sleep mode power demand in Watts. • Off mode power demand in Watts. • The measurement method used to determine information above. • Product type and category as defined in Article 2 of this regulation. ← The product can only belong to one category. • Year of manufacture. **Test conditions** • Test voltage in V and frequency in Hz. • Total harmonic distortion of the electricity supply system. • Information and documentation on the instrumentation, set-up and circuits used for electrical testing.

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Technical documentation for computers and computer servers

Demands	How to comply
	If a product model is placed on the market in multiple configurations The product information above may be reported once per product category (as defined in Article 2), for the highest power-demanding configurations available within that product category. A list of the models, which the reported information represents, must be included.
Product information and measurement results Apply to only desktop computer, integrated computer, and notebook computer	• Annual total energy consumption E_{TEC} in kWh and capability adjustments applied when all discrete graphics cards (dGfx) are disabled and if the system is tested with switchable graphics mode with UMA driving the display. ← The computer shall comply with the energy consumption limits set in Regulation Annex II. • E_{TEC} value in kWh and capability adjustments applied when all discrete graphics cards (dGfx) are enabled. • Sleep mode with Wake on LAN (WOL) enabled power demand in Watts. ← Applies to products with WOL enabled. • Off mode with WOL enable power demand in Watts. • The minimum number of loading cycles that the batteries can with stand. ← Applies only to notebook computers. • The measurement method used to determine information above. • The sequence of steps for achieving a stable condition with respect to power demand. • Description of how sleep and/or off mode was selected or programmed. • Sequence of events to reach mode where the equipment automatically changes to sleep and/or off mode. • The length of time after user inactivity the computer automatically reaches a power mode that has a lower power demand than sleep mode. • The length of time after user inactivity and right before the display sleep mode will activate. • User information on the energy-saving potential of power management functionality. • User information on how to enable the power management functionality. • For products with an integrated display containing mercury, the total content of mercury as X.X mg. ← The information to be provided if relevant. For instance, LED screens do not contain mercury
Battery information Apply only to notebook	If a notebook is operated by battery/ies that cannot be accessed and replaced by a non- professional user must state in technical documentation: “The battery/ies in this product cannot be easily replaced by users themselves”.

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.

COMMISSION REGULATION (EU) No 617/2013 of 26 June 2013 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for computers and computer servers.

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