
Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EC) No 1275/2008. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

ANNEX II

Ecodesign requirements

1. One year after this Regulation has come into force:
 - (a) Power consumption in ‘off mode’:

Power consumption of equipment in any off-mode condition shall not exceed 1,00 W.
 - (b) Power consumption in ‘standby mode(s)’:

The power consumption of equipment in any condition providing only a reactivation function, or providing only a reactivation function and a mere indication of enabled reactivation function, shall not exceed 1,00 W.

The power consumption of equipment in any condition providing only information or status display, or providing only a combination of reactivation function and information or status display, shall not exceed 2,00 W.
 - (c) Availability of off mode and/or standby mode

Equipment shall, except where this is inappropriate for the intended use, provide off mode and/or standby mode, and/or another condition which does not exceed the applicable power consumption requirements for off mode and/or standby mode when the equipment is connected to the mains power source.
2. Four years after this Regulation has come into force:
 - (a) Power consumption in ‘off mode’:

Power consumption of equipment in any off-mode condition shall not exceed 0,50 W.
 - (b) Power consumption in ‘standby mode(s)’:

The power consumption of equipment in any condition providing only a reactivation function, or providing only a reactivation function and a mere indication of enabled reactivation function, shall not exceed 0,50 W.

The power consumption of equipment in any condition providing only information or status display, or providing only a combination of reactivation function and information or status display shall not exceed 1,00 W.
 - (c) Availability of off mode and/or standby mode

Equipment shall, except where this is inappropriate for the intended use, provide off mode and/or standby mode, and/or another condition which does not exceed the applicable power consumption requirements for off mode and/or standby mode when the equipment is connected to the mains power source.
 - (d) ^[F1]Power management for all equipment other than networked equipment

Equipment shall, unless inappropriate for the intended use, offer a power management function or a similar function. When equipment is not providing the main function, and other energy-using product(s) are not dependent on its functions, the power management function shall switch equipment after the shortest possible period of time appropriate for the intended use of the equipment, automatically into:

— standby mode, or

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- off mode, or
- another condition which does not exceed the applicable power consumption requirements for off mode and/or standby mode when the equipment is connected to the mains power source.

The power management function shall be activated.]

Textual Amendments

- F1** Substituted by [Commission Regulation \(EU\) No 801/2013 of 22 August 2013 amending Regulation \(EC\) No 1275/2008 with regard to ecodesign requirements for standby, off mode electric power consumption of electrical and electronic household and office equipment, and amending Regulation \(EC\) No 642/2009 with regard to ecodesign requirements for televisions \(Text with EEA relevance\).](#)

[^{F23}. As of 1 January 2015:

- (a) Possibility of deactivating wireless network connection(s)

Any networked equipment that can be connected to a wireless network shall offer the user the possibility to deactivate the wireless network connection(s). This requirement does not apply to products which rely on a single wireless network connection for intended use and have no wired network connection.

- (b) Power management for networked equipment

Equipment shall, unless inappropriate for the intended use, offer a power management function or a similar function. When equipment is not providing a main function, and other energy-using product(s) are not dependent on its functions, the power management function shall switch equipment after the shortest possible period of time appropriate for the intended use of the equipment, automatically into a condition having networked standby.

In a condition providing networked standby, the power management function may switch equipment automatically into standby mode or off mode or another condition which does not exceed the applicable power consumption requirements for standby and/or off mode.

The power management function, or a similar function, shall be available for all network ports of the networked equipment.

The power management function, or a similar function, shall be activated, unless all network ports are deactivated. In that latter case the power management function, or a similar function, shall be activated if any of the network ports is activated.

The default period of time after which the power management function, or a similar function, switches the equipment automatically into a condition providing networked standby shall not exceed 20 minutes.

- (c) Networked equipment that has one or more standby modes shall comply with the requirements for these standby mode(s) when all network ports are deactivated.
- (d) Networked equipment other than HiNA equipment shall comply with the provisions under 2(d) when all network ports are deactivated.
- (e) Power consumption in a condition providing networked standby:

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The power consumption of HiNA equipment or equipment with HiNA functionality in a condition providing networked standby into which the equipment is switched by the power management function, or a similar function shall not exceed 12,00 W.

The power consumption of other networked equipment in a condition providing networked standby into which the equipment is switched by the power management function, or a similar function, shall not exceed 6,00 W.

The power consumption limits as stipulated in point (e) shall not apply to:

- (i) printing equipment with a power supply of a rated power larger than 750 W;
- (ii) large format printing equipment;
- (iii) tele-presence systems;
- (iv) desktop thin clients;
- (v) workstations;
- (vi) mobile workstations;
- (vii) small-scale servers;
- (viii) computer servers.

Textual Amendments

F2 Inserted by [Commission Regulation \(EU\) No 801/2013 of 22 August 2013 amending Regulation \(EC\) No 1275/2008 with regard to ecodesign requirements for standby, off mode electric power consumption of electrical and electronic household and office equipment, and amending Regulation \(EC\) No 642/2009 with regard to ecodesign requirements for televisions \(Text with EEA relevance\)](#).

4. As of 1 January 2017:

In addition to the requirements set out in point 3(a) and (b), the following provisions shall apply:

- (a) Networked equipment that has one or more standby mode(s) shall comply with the requirements for these standby mode(s) when all wired network ports are disconnected and when all wireless network ports are deactivated.
- (b) Networked equipment other than HiNA equipment shall comply with the provisions under 2(d) when all wired network ports are disconnected and when all wireless network ports are deactivated.
- (c) Power consumption in a condition providing ‘networked standby’:
 - The power consumption of HiNA equipment or equipment with HiNA functionality, in a condition providing networked standby into which the equipment is switched by the power management function, or a similar function, shall not exceed 8,00 W.
 - The power consumption of other networked equipment in a condition providing networked standby into which the equipment is switched by the power management function, or a similar function, shall not exceed 3,00 W.
 - The power consumption limits as stipulated in point (c) shall not apply to:
 - (i) large format printing equipment;

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- (ii) desktop thin clients;
- (iii) workstations;
- (iv) mobile workstations;
- (v) small-scale servers;
- (vi) computer servers.

5. As of 1 January 2019:

In addition to the requirements set out in point 3(a) and (b) and point 4(a), (b) and (c), the following provision shall apply for networked equipment other than HiNA equipment or other than equipment with HiNA-functionality:

The power consumption of networked equipment other than HiNA equipment or other than equipment with HiNA functionality, in a condition providing networked standby into which the equipment is switched by the power management function, or a similar function, shall not exceed 2,00 W.

6. As of 1 January 2015:

For coffee machines, the delay time after which the product switches automatically into the modes and conditions referred to in Annex II, point 2, paragraph (d) shall be as follows:

- for domestic drip filter coffee machines storing the coffee in an insulated jug, a maximum of five minutes after completion of the last brewing cycle or 30 minutes after completion of a descaling or self-cleaning process,
- for domestic drip filter coffee machines storing the coffee in a non-insulated jug, a maximum of 40 minutes after completion of the last brewing cycle, or 30 minutes after completion of a descaling or self-cleaning process,
- for domestic coffee machines other than drip filter coffee machines, a maximum of 30 minutes after completion of the last brewing cycle, or a maximum of 30 minutes after activation of the heating element, or a maximum of 60 minutes after activation of the cup preheating function, or a maximum of 30 minutes after completion of a descaling or self-cleaning process, unless an alarm has been triggered requiring users' intervention to prevent possible damage or accident.

Until the above date the ecodesign requirements set out in Annex II.2.d shall not apply.

7. Product information requirements

As of 1 January 2015, the following information for networked equipment shall be visibly displayed on manufacturers' freely accessible websites:

- (a) for each standby and/or off mode and the condition providing networked standby into which the equipment is switched by the power management function or similar function:
 - the power consumption data in Watt rounded to the first decimal place,
 - the period of time after which the power management function, or a similar function, switches the equipment automatically into standby and/or off mode and/or the condition providing networked standby;
- (b) the power consumption of the product in networked standby if all wired network ports are connected and all wireless network ports are activated;

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(c) guidance on how to activate and deactivate wireless network ports.

The power consumption of the product in networked standby as referred to in point (b) and the guidance as referred to in point (c) shall also be included in the user manual.]

[^{F18}. Measurements

The power consumption referred to in point 1(a) and (b), point 2(a) and (b), points 3(e) and 4(c) and point 5, and the delay times referred to in point 6, shall be established by a reliable, accurate and reproducible measurement procedure, which takes into account the generally recognised state of the art.]

[^{F19}. Information to be provided by manufacturers

For the purposes of conformity assessment pursuant to Article 4, the technical documentation shall contain the following elements:

- (a) for each standby and/or off mode:
- the power consumption data in Watt rounded to the first decimal place,
 - the measurement method used,
 - a description of how the equipment mode was selected or programmed,
 - the sequence of events leading to the condition where the equipment automatically changes modes,
 - any notes regarding the operation of the equipment, e.g. information on how the user switches the equipment into a condition having networked standby,
 - if applicable, the default time after which the power management function, or similar function, has switched the equipment into the applicable low power mode or condition;
- (b) for networked equipment:
- the number and type of network ports and, with the exception of wireless network ports, where these ports are located on the equipment; in particular it shall be declared if the same physical network port accommodates two or more types of network ports,
 - whether all network ports are deactivated before delivery,
 - whether the equipment qualifies as HiNA equipment or equipment with HiNa functionality; where no information is provided, this is considered not to be the case;

and for each type of network port:

- the default time after which the power management function, or a similar function, switches the equipment into a condition providing networked standby,
- the trigger that is used to reactivate the equipment,
- the (maximum) performance specifications,
- the (maximum) power consumption of the equipment in a condition providing networked standby into which the power management function, or a similar function, will switch the equipment, if only this port is used for remote activation,
- the communication protocol used by the equipment;

If no information is provided, the equipment is considered not to be networked equipment unless it provides the functionalities of a router, network switch, wireless

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network access point (not being a terminal), hub, modem, VoIP telephone, video phone.

- (c) test parameters for measurements:
- ambient temperature,
 - 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;
- (d) the equipment characteristics relevant for assessing conformity with the requirements set out in point 1(c), or the requirements set out in points 2(c) and/or 2(d) and/or 3(b), as applicable, including the time taken to automatically reach standby, or off mode, or another condition which does not exceed the applicable power consumption requirements for off mode and/or standby mode.

In particular, if applicable, a technical justification shall be provided that the requirements set out in point 1(c), or the requirements set out in points 2(c) and/or 2(d) and/or 3(b), are inappropriate for the intended use of equipment. The need to maintain one or more network connections or to wait for a remotely initiated trigger is not considered a technical justification for exemption from the requirements set out in 2(d) in the case of equipment that is not defined as networked equipment by the manufacturer.]

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Changes and effects yet to be applied to the whole legislation item and associated provisions

- Annex 1 para. 2 substituted by [S.I. 2021/745 reg. 53\(3\)](#)
- Annex 1 para. 1 words omitted by [S.I. 2021/745 reg. 53\(2\)\(a\)](#)
- Annex 1 para. 1 words omitted by [S.I. 2021/745 reg. 53\(2\)\(b\)](#)
- Annex 1 para. 3 words substituted by [S.I. 2021/745 reg. 53\(4\)](#)
- Annex 3 s. 1(7) omitted by [S.I. 2019/539 Sch. 2 para. 1\(6\)\(b\)\(iii\)](#)
- Annex 3 s. 1 word substituted by [S.I. 2019/539 Sch. 2 para. 1\(6\)\(b\)\(iv\)\(aa\)](#)
- Annex 3 s. 1 word substituted by [S.I. 2019/539 Sch. 2 para. 1\(6\)\(b\)\(iv\)\(bb\)](#)
- Annex 3 s. 1 words substituted by [S.I. 2019/539 Sch. 2 para. 1\(6\)\(b\)\(i\)](#)
- Annex 3 s. 1(2)(a) words substituted by [S.I. 2019/539 Sch. 2 para. 1\(6\)\(b\)\(ii\)\(aa\)](#)
- Annex 3 s. 1(2)(a) words substituted by [S.I. 2019/539 Sch. 2 para. 1\(6\)\(b\)\(ii\)\(bb\)](#)
- Annex 3 s. 1 words substituted in earlier amending provision [S.I. 2019/539, Sch. 2 para. 1\(6\)\(b\)](#) by [S.I. 2020/1528 reg. 6\(3\)reg. 6\(4\)\(b\)\(i\)](#)
- Art. 2(6) words substituted by [S.I. 2019/539 Sch. 2 para. 1\(2\)\(b\)](#)