

**DRAFT COMMUNIQUE ON ECODESIGN REQUIREMENTS FOR OFF MODE,
STANDBY MODE, AND NETWORKED STANDBY ENERGY CONSUMPTION OF
ELECTRICAL AND ELECTRONIC HOUSEHOLD AND OFFICE EQUIPMENT
(.../.../EU) (SGM:2022/...)**

Objective

ARTICLE 1 – (1) The purpose of this Communiqué is to establish ecodesign requirements related to off mode, standby mode, and networked standby energy consumption for the placing on the market and putting into service of electrical and electronic household and office equipment for the implementation of the Regulation on Ecodesign Requirements for Energy-Related Products (2009/125/EC) published in the Official Gazette dated 07/10/2010 and numbered 27722.

Scope

ARTICLE 2 – (1) This Communiqué shall apply to electrical and electronic household and office equipment included in Annex-I.

Legal Basis

ARTICLE 3 – (1) This Communiqué has been prepared on the basis of Law No. 7223 of 12/3/2020 on the Preparation and Implementation of Technical Legislation on Products and the Presidential Decree No. 1 on Presidency Organization published in the Official Gazette No. 30474 dated 10/7/2018.

Compliance with the European Union Legislation

ARTICLE 4 – (1) This Communiqué was prepared within the framework of harmonization with EU legislation based on Commission Regulation No. (EU).../.../... on Ecodesign Requirements for Off Mode, Standby Mode, and Networked Standby Energy Consumption of Electrical and Electronic Household and Office Equipment.

Definitions

ARTICLE 5 – (1) For the purposes of this Communiqué the following definitions shall apply:

- a) ‘EU’ means European Union;
- b) ‘network’ means a communication infrastructure with a topology of links, an architecture, including the physical components, organisational principles, communication procedures and formats (protocols);
- c) ‘network switch’ means a network device whose main function is to filter, forward and distribute frames based on the destination address of each frame. All switches operate at least at the data link layer (L2);
- ç) ‘networked equipment’ means equipment that can connect to a network and has one or more network ports;
- d) ‘networked standby’ means a condition in which the equipment is able to resume a function by way of a remotely initiated trigger from a network connection;
- e) ‘network port’ means a wired or wireless physical interface of the network connection located on the equipment through which the equipment can be remotely activated;

f) 'network availability' means a capability of the equipment to resume functions after a remotely initiated trigger has been detected by a network port;

g) 'low voltage external power supply' means an external power supply with a nameplate output voltage of less than 6 volts and a nameplate output current greater than or equal to 550 milliamperes;

ğ) 'adjustable furniture' means furniture that includes motors, actuators, lifting columns or other electric means to adjust height, position or form. Those adjustments are controlled by the end-user through cabled and/or wireless controls or via a network;

h) 'Ministry' means Ministry of Industry and Technology;

ı) 'printing equipment' means equipment that generates paper output from electronic input. Printing equipment can have additional functions and can be marketed as a multifunctional device or a multifunctional product;

ıı) 'declared values' means the values provided by the supplier for the stated, calculated or measured technical parameters in accordance with Article 7, for the verification of compliance by the Ministry;

ııı) 'information or status display' means a continuous function providing information or indicating the status of the equipment on a display, including clocks;

ıııı) 'information technology equipment' means any electrical and electronic household and office equipment which has a main function of either entry, storage, display, retrieval, transmission, processing, switching, or control of data or telecommunication messages, or a combination of those functions, and which can be equipped with one or more terminal ports typically operated for information transfer;

ııııı) 'large format printing equipment' means printing equipment designed for printing on A2 media and larger, including equipment designed to accommodate continuous-form media of at least 406 mm width;

ıııııı) 'hub' means a network device that contains multiple ports and is used to connect segments of a Local Area Network;

ııııııı) 'drip filter household coffee machine' means a household coffee machine which uses percolation to extract the coffee;

ıııııııı) 'mains' means the electricity supply from the grid of 230 ($\pm 10\%$) volts of alternating current at 50 Hz;

ııııııııı) 'active mode' means a condition in which the equipment is connected to the mains power source and at least one of the main functions has been activated;

ıııııııııı) 'equivalent model' means an equipment model which has the same technical characteristics relevant for the technical information to be provided in accordance with Annex

II, but which is placed on the market or put into service by the same supplier as another equipment model with a different model identifier;

r) 'household coffee machine' means a non-commercial equipment for brewing coffee;

s) 'electrical and electronic household and office equipment' or 'equipment' means any energy-related product marketed for household, office, non-household or non-office use which fulfils the following conditions:

1) it is made commercially available as a single functional unit and is intended for the end-user;

2) it is listed in Annex I;

3) it is dependent on energy input from the mains power source in order to work as intended;

4) it is designed for use with a nominal voltage rating of 250 V or below;

ş) 'physical network port' means the physical (hardware) medium of a network port. A physical network port can host two or more network technologies;

t) 'standby mode' means a condition where the equipment is connected to the mains power source, depends on energy input from the mains power source to work as intended and provides only the following functions, jointly or separately, which may persist for an indefinite time:

1) reactivation function;

2) reactivation function and only an indication of enabled reactivation function;

3) information or status display;

u) 'domestic environment' means an environment where the use of broadcast radio and television receivers may be expected within a distance of 10 m of the equipment concerned;

ü) 'wireless network access point' means a network device whose main function is to provide IEEE 802.11 (Wi-Fi) connectivity to multiple clients;

v) 'off mode' means a condition in which the equipment is connected to the mains power source and is not providing any function, or it is in a condition providing only:

1) an indication of off-mode condition;

2) functionalities intended to ensure electromagnetic compatibility under Electromagnetic Compatibility Regulation;

y) 'logical network port' means the network technology running over a physical network port;

z) 'model identifier' means a code, usually alphanumeric, which distinguishes a specific equipment model from other models with the same trade mark or the same supplier's name;

aa) 'modem' means a network device whose main function is to transmit and receive digitally modulated analogue signals over a wired network;

bb) 'motor-operated building element' means opening or comfort equipment in buildings, excluding ventilation equipment, that can move or rotate, or both, by using input from the mains power source. The motor-operated building element incorporates an electric

motor or an actuator and a control unit, and is operated by the end-user through cabled and/or wireless control(s), via a network, or controlled automatically with the use of sensors;

cc) 'games console' means equipment which is designed to provide video game playing as its principal function. A games console is typically designed to provide output to an external electronic display as the main game-play display and typically utilises handheld controllers or other interactive controllers as the primary input device. Games consoles typically include central processing unit(s), graphics processing unit(s), system memory, and internal data storage options. Handheld gaming devices, with an integrated display as the main game-play display, and which primarily operate on an integrated battery or other portable power source rather than via a direct connection to the mains, are considered to be a type of games console;

çç) 'main function' means a function delivering the main service(s) for which the equipment is designed and marketed for, and which corresponds to the intended use of the equipment;

dd) 'remotely initiated trigger' means a signal that comes from outside the equipment via a network;

ee) 'reactivation function' means a function that via a remote switch, a remote control, an internal sensor or timer provides a switch from standby mode to another mode, including active mode, providing additional functions;

ff) 'router' means a network device whose main function is to determine the optimal path along which network traffic should be forwarded. Routers forward packets of data from one network to another, based on network layer information (L3);

gg) 'networked equipment with high network availability' or 'HiNA equipment' means equipment with one or more of the following functionalities, but no other, as the main function(s): those of a router, network switch, wireless network access point, hub, modem, VoIP telephone, video phone;

ğğ) 'networked equipment with high network availability functionality' or 'equipment with HiNA functionality' means equipment that has the functionality of a router, network switch, wireless network access point or combination thereof included, but not being HiNA equipment;

Ecodesign Requirements

ARTICLE 6 – (1) The ecodesign requirements for standby and off mode, and networked standby electric power consumption are set out in Annex-II of this Communiqué.

Conformity Assessment

ARTICLE 7 – (1) The conformity assessment procedure referred to in Article 10 of Regulation on Ecodesign of Energy Related Products (2009/125 / EC) published in the Official Gazette dated 07/10/2010 and numbered 27722 shall be the internal design control system set out in Annex IV to that Regulation or the management system set out in Annex V to that Regulation.

(2) For the purposes of conformity assessment under Article 10 of Regulation on Ecodesign of Energy Related Products (2009/125 / EC) published in the Official Gazette dated 07/10/2010 and numbered 27722, the technical documentation shall contain the information set out in point 3(b) of Annex II to this Regulation and the details and results of the calculations made in accordance with Annex III to this Regulation.

(3) The technical documentation for a model shall include the details and results of the calculations or extrapolations, the assessment made by the manufacturer to verify the accuracy of the calculations and, where appropriate, the declaration of identity between the models of different manufacturers. Where the information included in the technical documentation for that particular model has been obtained, alternatively:

a) from a model that has the same technical characteristics relevant for the technical information to be provided in accordance with Annex II but is produced by a different manufacturer;

b) by calculation on the basis of design or extrapolation from another model of the same or a different manufacturer, or both on the basis of design and extrapolation from another model of the same or a different manufacturer.

(4) The technical documentation shall include a list of equivalent models referred to in the subparagraphs of point 3 of this Article, including the model identifiers.

Verification Procedure for Market Surveillance Purposes

ARTICLE 8 – (1) The Ministry shall apply the verification procedure laid down in Annex IV to this Regulation where they perform the market surveillance checks referred to in Article 5 of Regulation on Ecodesign of Energy Related Products (2009/125 / EC) published in the Official Gazette dated 07/10/2010 and numbered 27722.

Circumvention

ARTICLE 9 – (1) The manufacturer, importer or authorised representative shall not place on the market equipment designed to be able to detect they are being tested, including by recognising the test conditions or test cycle, and to react specifically by automatically altering their performance during the test to reach a more favourable level for any of the parameters in the technical documentation given in this Communiqué or included in any of the documentation provided.

(2) The energy consumption of the equipment and any of the other declared parameters shall not deteriorate after a software or firmware update where measured with the same test standard originally used for the declaration of conformity, unless the user explicitly consents to this before the update. No performance change shall occur as result of rejecting the update.

(3) A software update shall not have the effect of changing the equipment's performance in a way that makes it non-compliant with the ecodesign requirements applicable for the declaration of conformity.

Indicative Benchmarks

ARTICLE 10 – (1) The indicative benchmarks for the best-performing equipment and technologies available on the market at the time of adopting this Regulation are set out in Annex V.

Consultation Forum

ARTICLE 11 – (1) In relation to this Communiqué, the Ministry shall participate in the consultation forum meetings established by the European Commission, which shall review this Communiqué in the light of technological progress, in the scope of the requirements for standby and off mode of electrical and electronic household and office equipment, the requirements for networked standby for HiNA equipment and equipment with HiNA functionality, and including other fast-growing product groups in the scope of this Communiqué.

Repeal

ARTICLE 12 – (1) Communiqué on Ecodesign Requirements for Off Mode, Standby Mode, and Networked Standby Energy Consumption of Electrical and Electronic Household and Office Equipment (1275/2008/EC) (SGM:2021/13) dated 25/3/2021 and numbered 31434 shall be repealed on the date this Communiqué enters into force.

Entry into Force

ARTICLE 14– (1) This Communiqué shall enter into force on .../.../...

Enforcement

ARTICLE 14 – (1) The provisions of this Communiqué shall be enforced by the Minister of Industry and Technology.

**LIST OF ENERGY-RELATED PRODUCTS COVERED BY THIS
COMMUNIQUE**

1. Household appliances:

- clothes dryers;
- electric ovens;
- electric hot plates;
- microwave ovens;
- toasters;
- fryers;
- coffee machines;
- grinders;
- equipment for opening or sealing containers or packages;
- electric knives;
- other appliances for cooking and other processing of food, preparing beverages, cleaning, and maintenance of clothes, but excluding household dishwashers covered by Communique on Ecodesign Requirements for Household Dishwashers (2019/2022/EU) (SGM:2021/1) published in the Official Gazette dated 25/3/2021 and numbered 31434, and household washing machines and household washer-dryers covered by Communique on Ecodesign Requirements for Household Washing Machines and Household Washer-Dryers (2019/2023/EU) (SGM:2021/3) published in the Official Gazette dated 25/3/2021 and numbered 31434;
- appliances for hair cutting, hair drying, hair treatments, tooth brushing, shaving, massage and other body care appliances;
- scales.

2. Information technology equipment intended primarily for use in the domestic environment, including copying and printing equipment, but excluding desktop computers, integrated desktop computers and notebook computers covered by Communique on Ecodesign Requirements for Computers and Computer Servers (2013/617/EU) (SGM:2021/14) published in the Official Gazette dated 25/3/2021 and numbered 31434, as well as electronic displays covered by Communique on Ecodesign Requirements for Electronic Displays (2019/2021/EU) (SGM:2021/5) published in the Official Gazette dated 25/3/2021 and numbered 31434.

3. Consumer equipment:

- radio sets;
- video cameras;
- video players;
- hi-fi players;
- audio amplifiers;

- audio speakers;
- home theatre systems;
- media streaming devices;
- musical instruments;
- other equipment for the purpose of recording or reproducing sound or images, including signals or other technologies for the distribution of sound and image other than by telecommunications, but excluding electronic displays covered by Communiqué on Ecodesign Requirements for Electronic Displays (2019/2021/EU) (SGM:2021/5) published in the Official Gazette dated 25/3/2021 and numbered 31434 and projectors with mechanisms for exchanging the lenses with others with different focal length.

4. Toys, leisure and sports equipment:

- electric trains or car racing sets;
- games consoles;
- sports equipment with electric or electronic components;
- other toys, leisure and sport equipment.

5. Adjustable furniture:

- height-adjustable desks;
- elevation beds and chairs;
- other adjustable furniture equipped with electric motors operated by cabled or wireless controls.

6. Motor-operated building elements:

- shutters;
- blinds;
- screens;
- awnings;
- pergolas;
- curtains;
- doors;
- gates;
- windows;
- skylights;
- other similar products equipped with electric motors operated by wired cabled or wireless controls;
- parts incorporating an electric motor or an actuator and a control unit, which are designed to work with other motor-operated building elements.

ECODESIGN REQUIREMENTS

1. Energy efficiency requirements:

a) Power consumption in off mode:

Power consumption of equipment in off mode shall not exceed 0,50 W.

b) Power consumption in standby mode:

The power consumption of equipment in any condition providing only a reactivation function, or providing only a reactivation function and an 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, or providing only a reactivation function and an indication of enabled reactivation function and information or status display shall not exceed 0,80 W.

Networked equipment that has one or more standby modes shall comply with the requirements for those standby modes when all wired network ports are disconnected and all wireless network ports are deactivated.

(c) Power consumption in networked standby:

The power consumption of HiNA equipment or equipment with HiNA functionality, in networked standby, into which the equipment is switched by the power management function as described in point 2(c) of this Annex, shall not exceed 8,00 W.

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

The power consumption limits shall not apply to:

- large format printing equipment;
- desktop thin clients, workstations, mobile workstations, and small-scale servers as defined in Communiqué on Ecodesign Requirements for Computers and Computer Servers (2013/617/EU) (SGM:2021/14) published in the Official Gazette dated 25/3/2021 and numbered 31434,

2. Functional requirements:

a) Availability of off mode and standby mode:

Unless this is inappropriate for the intended use, equipment shall provide one or more of the following conditions:

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

b) Power management for all equipment other than networked equipment:

(1) Unless inappropriate for the intended use, equipment shall provide a power management function. When equipment is not providing a main function, and another energy-related product is not dependent on its functions, the power management function shall switch equipment, after the shortest possible period appropriate for the intended use of the equipment, automatically into either of the following conditions:

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

(2) For coffee machines, the period referred to in point (1) shall be as follows:

- for drip filter household coffee machines storing the coffee in an insulated jug, a maximum of five minutes;
- for drip filter household coffee machines storing the coffee in a non-insulated jug, a maximum of 40 minutes;
- for household coffee machines other than drip filter household coffee machines, a maximum of 30 minutes.

(3) For other equipment, the period referred to in point (1) shall not exceed 20 minutes.

(4) The power management function described in point (1) shall be activated when the equipment is placed on the market or put into service, and after the equipment is reset to its factory default settings.

(5) The equipment may offer the user the option to deactivate the power management function. In such cases the users shall be warned about the increased energy consumption of that action. That warning shall be included in the instruction manuals and, where applicable, be made available on the displays integrated in or connected to the equipment. That option shall not be part of the installation procedure of the equipment and shall require a separate user action on the product.

c) Power management for networked equipment:

Unless inappropriate for the intended use, equipment shall provide a power management function. When equipment is not performing a main function, and another energy-related product is not dependent on its functions, the power management function shall switch equipment, after the shortest possible period appropriate for the intended use of the equipment, automatically into networked standby. That period shall not exceed 20 minutes.

In 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 or off mode.

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

Unless all network ports are deactivated, the power management function shall be activated when the equipment is placed on the market or put into service. After the equipment is reset to its factory default settings, the power management function shall be activated if any of the network ports is activated.

The equipment may offer the user the option to deactivate the power management function. In such cases, the user shall be warned about the increased energy consumption of that action. That warning shall be included in the instruction manuals and, where applicable, be made available on the displays integrated in or connected to the equipment. That option shall not be part of the installation procedure of the equipment and shall require a separate user action on the product.

Networked equipment other than HiNA equipment shall comply with the requirements set out in point 2(b) when all wired network ports are disconnected and all wireless network ports are deactivated.

d) Possibility of deactivating wireless network connections:

Unless inappropriate for the intended use, any networked equipment that can be connected to a wireless network shall offer the user the possibility to deactivate the wireless network connections. That requirement does not apply to products that rely on a single wireless network connection for intended use and have no wired network connection.

3. Information requirements

(a) The instruction manuals for end-users, and free access websites of manufacturers, importers or authorised representatives shall include the following information for all equipment, as applicable:

(1) for each off mode, standby mode (or another condition which does not exceed the applicable power consumption requirements for off mode or standby mode) and networked standby into which the equipment is switched by the power management function or similar function:

- the power consumption data in watts rounded to the first decimal place;
- the period after which the power management function switches the equipment automatically into standby mode, off mode or networked standby;

(2) the power consumption of the product in networked standby if all wired network ports are connected and all wireless network ports are activated;

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

(b) The technical documentation for the purposes of conformity assessment pursuant to Article 7 of this Communique shall contain the following elements:

(1) category of equipment:

- specification whether it is networked or non-networked equipment;
- for networked equipment, specification whether it is HiNA equipment, equipment with HiNA functionality, or other type of equipment;

(2) for each off mode, standby mode and networked standby:

- the declared value of the power consumption in watts 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 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;

(3) for networked equipment:

- the number and type of network ports and, with the exception of wireless network ports, where those 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 the equipment is placed on the market or put into service ;
- whether the equipment qualifies as HiNA equipment or equipment with HiNA functionality; where no information is provided, the equipment is not considered HiNA equipment or equipment with HiNA functionality;
- whether there are ports relying on active wired connections for the intended use, and the procedure used for deactivating those ports;
- the power consumption of the product in networked standby if all wired network ports are connected and all wireless network ports are activated;
- guidance on how to activate and deactivate wireless network ports;

(4) for each type of network port:

- the period after which the power management function switches the equipment into networked standby;
- the remotely initiated trigger that is used to reactivate the equipment;
- the (maximum) performance specifications;
- the (maximum) power consumption of the equipment in networked standby into which the power management function will switch the equipment, if only that port is used for remote activation;
- the communication protocol used by the equipment;

(5) 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;

(6) the equipment characteristics relevant for assessing conformity with the requirements set out in points 2(a), 2(b) and 2(c), as applicable, including the time taken to automatically reach networked standby, standby mode or off mode, or another condition which does not exceed the applicable power consumption requirements for off mode or standby mode.

In particular, if applicable, a technical justification shall be provided that the requirements set out in point 2(a), 2(b), 2(c) and 2(d) 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 point 2(b) in the case of equipment that is not defined as networked equipment by the manufacturer. For the requirements set out in point 2(c), the technical justification shall, in particular, provide evidence on why a main function needs to remain always active.

(7) the description of the product's main functions.

(c) The indication 'standby' and its translations in all Union official languages shall not be used in describing, either alone or in combination with other information, any condition in which the equipment is not compliant with the requirements set out in points 1(b) or 1(c).

MEASUREMENT METHODS AND CALCULATIONS

Measurements and calculations shall be made using harmonised standards, the reference numbers of which have been published for this purpose in the Official Journal of the European Union, or other reliable, accurate and reproducible methods, which take into account the generally recognised state of the art.

The following general conditions shall apply when testing networked equipment:

(a) To measure the energy consumption in standby mode of networked equipment that has such mode, all network ports of the unit shall be deactivated or disconnected, as applicable.

(b) If a product relies on active wired connection to one or more network ports for the intended use, manual deactivation of those network ports is allowed instead of wire disconnection.

(c) The following procedure shall be used for measuring energy consumption in networked standby and for testing the power management function:

(1) If the equipment has one type of network port and if two or more ports of that type are available, one of those ports is randomly chosen and that port is connected to the appropriate network complying with the port's maximum specification. If the equipment has multiple wireless network ports of the same type, the other wireless ports shall be deactivated if possible. If the equipment has multiple wired network ports of the same type, the other network ports shall be disconnected. If only one network port is available, that port is connected to the appropriate network complying with the port's maximum specification.

The tested unit is switched on. The device that provides the remotely initiated trigger that will reactivate the tested unit is connected to the appropriate network, switched on, and ready to provide the trigger when required to. Once the tested unit is switched on and working properly, it is allowed to go into networked standby and the power consumption is measured. Then the appropriate trigger is given to the unit through the network port and a check is made on whether the equipment is reactivated.

(2) If the equipment has more than one type of network port, for each type of network port the following procedure is repeated. If two or more network ports of a type are available, one port is chosen randomly for each type of network port and that port is connected to the appropriate network complying with the port's maximum specification.

If for a certain type of network port only one port is available, that port is connected to the appropriate network complying with the port's maximum specification. Wired network ports not used shall be disconnected and wireless ports not used shall be deactivated if possible.

The tested unit is switched on. The device that provides the remotely initiated trigger that will reactivate the tested unit is connected to the appropriate network, switched on, and ready to provide the trigger when required to. Once the tested unit is switched on and working properly, it is allowed to go into networked standby and the power consumption is measured. Then the appropriate trigger is given to the unit through the network port and a check is made on whether the equipment is reactivated. If one physical network port is shared by two or more types of (logical) network ports, that procedure is repeated for each type of logical network port, with the other logical network ports being logical-disconnected.

ANNEX – IV

VERIFICATION PROCEDURE FOR MARKET SURVEILLANCE PURPOSES

1. The verification tolerances defined in this Annex apply only to the verification by the Ministry of the declared values. They shall not be used by the manufacturer, importer or authorised representative as an allowed tolerance for establishing the values in the technical documentation or in interpreting those values with a view to achieving compliance or for communicating better performance by any means.

2. Any model in breach of the first paragraph of Article 9 of this Communiqué and all equivalent models shall be considered not compliant.

3. As part of verifying the compliance of a product model with the requirements referred to in Annex II under Article 5(2) of Regulation on Ecodesign of Energy Related Products (2009/125/EC) published in the Official Gazette dated 07/10/2010 and numbered 27722, the authorities of the Member States shall follow the following procedure:

a) The Ministry shall verify one single unit of the model.

b) The model shall be considered to comply with the applicable requirements if all the following conditions are met:

1) the values given in the technical documentation pursuant to point 3 of Annex IV to Regulation on Ecodesign of Energy Related Products (2009/125/EC) published in the Official Gazette dated 07/10/2010 and numbered 27722, (declared values), and, where applicable, the values used to calculate those values, are not more favourable for the manufacturer, importer or authorised representative than the results of the corresponding measurements carried out pursuant to point 3(f) of that Annex;

2) the declared values meet any requirements laid down in this Communiqué, and any required product information published by the manufacturer, importer or authorised representative does not contain values that are more favourable for the manufacturer, importer or authorised representative than the declared values;

3) the manufacturer, importer or authorised representative has put in place a system that complies with the requirements in the second paragraph of Article 9;

4) the model complies with the functional requirements in point 2 of Annex II and with the information requirements in point 3 of Annex II;

5) the determined values (the values of the relevant parameters as measured in testing and the values calculated from those measurements) comply with the respective verification tolerances as set out in Table 1.

c) If the conditions set out in point (b)(1), (b)(2), (b)(3) or (b)(4) are not met, the model and all equivalent models shall be considered not to comply with this Regulation.

ç) If the condition set out in point (b)(5) is not met, the Ministry shall select three additional units of the same model for testing. As an alternative, the three additional units selected may be of one or more equivalent models.

d) The model shall be considered to comply with the applicable requirements if, for those three units, the arithmetical mean of the determined values complies with the respective verification tolerances given in Table 1.

e) If the result referred to in point (d) is not achieved, the model and all equivalent models shall be considered not to comply with this Communiqué.

f) Through the Ministry of Trade, the Ministry shall provide all relevant information to the authorities of the other Member States and to the Commission without delay after a decision is taken on non-compliance of the model pursuant to points (c) or (e).

4. The Member State authorities shall use the measurement and calculation methods set out in Annex III.

5. For the requirements referred to in this Annex, the Ministry shall apply only the verification tolerances set out in Table 1 below and shall use only the procedure described in points (a) to (f) above. For the parameters in Table 1, no other tolerances, such as those set out in harmonised standards or in any other measurement method, shall be applied.

Verification tolerances

Parameters	Verification tolerances
Power consumption in off mode	The determined value* shall not exceed the declared value by more than 0,10 W.
Power consumption in standby mode	The determined value* shall not exceed the declared value by more than 0,10 W.
Power consumption in networked standby	The determined value* shall not exceed the declared value by more than 10 %.

*if three additional units are tested as provided for in point 3(ç), the determined value means the arithmetical mean of the values determined for those three additional units.

BENCHMARKS

1. At the time of entry into force of this Communique, the best available technology on the market in terms of power consumption in off mode, standby mode and networked standby was identified as follows:

- Off mode: 0 W - 0,2 W with hard-off switch on the primary side, depending, inter alia, on the characteristics related to electromagnetic compatibility under Electromagnetic Compatibility Regulation.

- Standby mode: 0,1 W with reactivation function; 0,1 W with simple or low power LEDs information or status display (larger displays - e.g. for clocks - require more power).

- Networked standby: 3 W for HiNA equipment; 1 W or less for non-HiNA equipment.