



TECHNICAL BOARD

CEN/BT by correspondence

For information and possible comments

Issue date:

2014-01-08

Simultaneous circulation to CENELEC/BT

Deadline:

2014-01-21

SUBJECT

Ecodesign Mandate M/495 – Draft technical updates to Annex B

- **Space Heaters, Combination Heaters and Related Products**
- **Water Heaters, Hot Water Storage Tanks and Related Products**

BACKGROUND

See Annex 1

An identical document is circulated to the CENELEC Technical Board

CEN Reference:

[Annex 1 to BT N 9416](#)

CENELEC Reference:

[Annex 1 to BT147/DG9314/DC](#)

BACKGROUND:

Ecodesign Mandate M/495 – Draft technical updates to Annex B

- **Space Heaters, Combination Heaters and Related Products**
- **Water Heaters, Hot Water Storage Tanks and Related Products**

Mandate M/495 on the ecodesign of energy-related products (accepted by CEN/BT through Resolution BT C119/2011, and by CENELEC/BT through Decisions D139/063 to 066) displays a number of unique features. One of them is the fact that the mandate is a horizontal mandate covering all the product groups (or 'Lots') for which the EC expects CEN and CENELEC to develop Harmonized Standards under the various Ecodesign Regulations implementing the Ecodesign Directive 2009/125/EC, and under the various Energy Labelling Regulations supplementing the Energy Labelling Directive 2010/30/EU.

For each product group, the detailed standardization request will be included in an amendment (or 'technical update') to the Annex B to M/495 at the time the corresponding Ecodesign and Energy Labelling Regulations are adopted at EC level. Although technical updates to Annex B will have the form of a traditional mandate, they will not be considered by the EC as mandates *per se*. However, on the CEN-CENELEC side, their final version will still be submitted to both BTs and any comments received will be forwarded to the EC services.

Before the final version of an Annex B is issued to CEN and CENELEC, a draft version is discussed both informally between the responsible EC officials and the relevant CEN and CENELEC Technical Committees, and more formally within the product-specific Ecodesign Consultation Forum – 'CF' – convened by the EC (CFs, made up of Member States, Industry and other stakeholders, are also the place where all relevant parties have a say in the development of the Ecodesign and Energy Labelling Regulations).

CEN and CENELEC are represented in the various *product-specific* CFs through the participation of the relevant TC delegates (their involvement has been so far ensured by CCMC and will be coordinated by the CEN-CENELEC Ecodesign Coordination Group in a near future). They are also represented in the *horizontal* CF through the participation of the CCMC Programme Manager in charge of Ecodesign.

On 2013-12-16, the members of both the product-specific and horizontal CFs received two new draft technical updates to the Annex B to M/495. They relate to ENER Lot 1 and within ENER Lot 1 they concern in particular the following products:

- **Space heaters and combination heaters**
'Details of request to CEN, CENELEC and ETSI for Standardisation in the field of Space Heaters, Combination Heaters and Related Products under Commission Regulations [811/2013](#) and [813/2013](#)' (see Annex 2)

- **Water heaters and hot water storage tanks**

'Details of request to CEN, CENELEC and ETSI for Standardisation in the field of Water Heaters, Hot Water Storage Tanks and Related Products under Commission Regulations [812/2013](#) and [814/2013](#)' (see Annex 3)

Should you wish to provide the EC with comments on these two drafts:

- CEN Members are invited to send their comments to BT@cencenelec.eu and Mr Alexandre della Faille de Leverghem (adellafaille@cencenelec.eu), CCMC Programme Manager in charge of Ecodesign;
- CENELEC Members are invited to upload their comments on the Collaboration Tool under the relevant item;

by **21 January 2014**, the deadline given by the European Commission being two days later. Your comments will be forwarded to the EC services. Once the final version of the technical updates are adopted by the EC, they will be submitted to BTs for a 4-week vote.

TECHNICAL UPDATE (ANNEX B OF M/495)

PRODUCT GROUPS:
SPACE HEATERS AND COMBINATION HEATERS

DETAILS OF REQUEST TO CEN, CENELEC AND ETSI FOR STANDARDISATION IN THE FIELD OF SPACE HEATERS, COMBINATION HEATERS AND RELATED PRODUCTS UNDER COMMISSION REGULATIONS 811/2013 AND 813/2013

1. BACKGROUND

1.1. Legal basis

Commission Regulation (EU) No 813/2013 of 2 August 2013 implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for space heaters and combination heaters¹

Commission Delegated Regulation (EU) No 811/2013 of 18 February 2013 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to energy labelling of space heaters, combination heaters, packages of space heater, temperature control and solar device and packages of combination heater, temperature control and solar device²

1.2. The aim of the technical update

1.2. The aim of the request

Commission Regulation (EU) No 813/2013 sets ecodesign requirements for space heaters and combination heaters.

Commission Delegated Regulation (EU) 811/2013 sets energy labelling requirements for space heaters, combination heaters, packages of space heater, temperature control and solar device and packages of combination heater, temperature control and solar device.

These two regulations (referred to below as "the regulations") require that the measurement and calculation procedures for establishing energy performances and other environmental impacts shall be reliable, accurate and reproducible and take into account the generally recognised state of the art, in order to ensure comparable measurement and

¹ OJ L 239, 6.9.2013, p 136.

² OJ L 239, 6.9.2013, p 1.

calculation procedures for the product types in the scope of the regulations and to facilitate market surveillance activities.

The aim of this technical update is to identify standardisation needs for harmonised standard(s) which cover(s) these requirements. The harmonised standard(s) shall incorporate relevant measurement and calculation methods, including measurement and calculation methods set out in Commission Communications which have been published for that purpose in the Official Journal of the European Union.

2. DESCRIPTION OF THE WORK

The Commission requests CEN, CENELEC and ETSI to elaborate reliable, accurate and reproducible European standards, which take into account the generally recognised state of the art, and/or to adopt or adapt existing European and international standards for space heaters, combination heaters and related products (temperature controls, solar devices, passive flue heat recovery devices, heater packages (packages of space heater, temperature control and solar device or packages of combination heater, temperature control and solar device)), laying down procedures and methods of measuring and calculating the energy consumption and associated characteristics, sound power level and emissions of nitrogen oxides, carbon monoxide, particulate matter and hydrocarbons of these products. The standards have also to include the necessary definitions of the product types and of the parameters to be measured and/or calculated. The product types use liquid or gaseous fuels electricity.

The standardisation tasks covered by this request are as follows.

Procedures and methods for measuring and calculating the parameters regulated in regulations 811/2013 and 813/2013:

- (1) to ensure that the prospective harmonised standards provide, where appropriate, revised and/or new definitions at least for the types and main characteristics of the products covered by the regulations;
- (2) to ensure that the prospective harmonised standards provide procedures and methods to define, measure and calculate at least the following aspects:
 - for boiler space heaters, boiler combination heaters and cogeneration space heaters: seasonal space heating energy efficiency, useful efficiency, rated heat output (including for supplementary heating) and useful heat output, auxiliary electricity consumption, standby heat loss, ignition burner power consumption, annual energy consumption, sound power level, emissions of nitrogen oxides, carbon monoxide, particulate matter and hydrocarbons, electrical efficiency (for cogeneration space heaters), information on type B11 boilers and combination boilers, product information for disassembly, recycling and disposal; information related to any specific precaution that shall be taken when the heater is assembled, installed or maintained; standardised heating seasons to calculate seasonal space heating energy efficiency;
 - for heat pump space heaters and heat pump combination heaters: seasonal space heating efficiency, rated heat output (including for supplementary heater), declared coefficient of performance (COP_d(T_j)) or primary energy ratio (PER(T_j)) for part load at indoor temperature 20 °C and at a limited number of specified outdoor temperature bins (T_j); bivalent temperature, cycling interval capacity for heating, degradation coefficient, cycling interval

efficiency, operation limit temperature (for air-to-water heat pumps) and heating water operation limit temperature, power consumption in modes other than active mode (off, thermostat-off, standby, crankcase heater mode) including annual equivalent hours for these modes; annual energy consumption, rated air flow rate (for air-to-water heat pumps); rated brine or water flow rate, outdoor heat exchanger and energy consumption of ground water pump (for water or brine-to-water heat pumps); sound power level (indoors and outdoors), emissions of nitrogen oxides, carbon monoxide, particulate matter and hydrocarbons; product information for disassembly, recycling and disposal; information related to any specific precaution that shall be taken when the space heater is assembled, installed or maintained;

- in addition for boiler combination heaters, cogeneration combination heaters and heat pump combination heaters: declared load profile; water heating energy efficiency; daily electricity consumption; annual electricity consumption; daily fuel consumption; annual fuel consumption; off-peak fitness;
- for temperature controls: temperature control classes; contribution of the temperature control to the seasonal space heating energy efficiency of a heater package;
- for solar devices: annual non-solar heat contribution, collector efficiency, collector aperture area; standing loss and volume of solar hot water storage tank (including a methodology for evaluating losses due to circulation through pipes), pump power consumption, standby power consumption, auxiliary electricity consumption, any specific precautions that shall be taken when the solar device is assembled, installed or maintained;
- for passive flue heat recovery devices: contribution of the passive flue heat recovery device to the water heating energy efficiency of a heater package;
- for heater packages: seasonal space heating energy efficiency and water heating energy efficiency of the heater package.

- (3) to ensure that the prospective harmonised standards build on existing standards by taking into account improved measurement and calculation methods and new product types to better reflect the user behaviour and the state of the art at European and international level. In particular care shall be taken about:

For boiler space heaters using gaseous fuel and boiler combination heaters using gaseous fuel:

- the extension of the standard(s), such as EN 15502-1: 2012 to provide procedures and methods to measure and calculate all technical parameters, including design type definitions and emissions of nitrogen oxides, carbon monoxide, particulate matter and hydrocarbons;
- the extension of the standard(s) such as EN 15316-4-1:2008 to provide procedures and methods to measure and calculate the seasonal space heating energy efficiency;
- the extension of the standard(s), such as EN 15036 – 1, to provide procedures and methods to measure and calculate the sound power level.

For boiler space heaters using liquid fuel and boiler combination heaters using

liquid fuel:

- the extension of the standard(s), such as EN 304:1992 to provide procedures and methods to set general test conditions and to measure and calculate standby heat loss;
- the extension of the standard(s), such as EN 304:1992 to provide procedures and methods to measure and calculate useful efficiency of standard and low temperature boilers;
- the extension of the standard(s), such as EN 15034:2008 to provide procedures and methods to measure and calculate useful efficiency and useful heat output of condensing oil boilers;
- the extension of the standard(s), such as EN 15456:2008 to provide procedures and methods to measure and calculate auxiliary electricity consumption;
- the extension of the standard(s), such as EN 15316-4-1:2008 to provide procedures and methods to measure and calculate seasonal space heating energy efficiency;
- the extension of the standard(s), such as EN 15036 – 1 to provide procedures and methods to measure and calculate the sound power level;
- the extension of the standard(s), such as EN 267:2009 to provide procedures and methods to measure and calculate emissions of nitrogen oxides (considering a reference nitrogen content of 140 mg/kg in the fuel), carbon monoxide, particulate matter and hydrocarbons.

For cogeneration space heaters and cogeneration combination heaters:

- the extension of the standard(s), such as FprEN 50465 to provide procedures and methods to measure and calculate useful and electrical efficiency. The seasonal space heating energy efficiency shall be calculated as the seasonal space heating energy efficiency in active mode corrected by contributions accounting for temperature controls, auxiliary electricity consumption, standby heat loss, ignition burner power consumption (if applicable) and by adding the electrical efficiency multiplied by a conversion coefficient CC of 2.5;
- the extension of the standard(s), such as EN 15502-1:2012 to provide procedures and methods to measure and calculate standby heat loss, ignition burner power, emissions of nitrogen oxides (including its applicability for measuring emission values up to 500 mg/kWh), carbon monoxide, particulate matter and hydrocarbons;
- the extension of the standard(s), such as EN 15316-4-1:2008 to provide procedures and methods to measure and calculate seasonal space heating energy efficiency;
- the extension of the standard(s), such as EN 15036 – 1 to provide procedures and methods to measure and calculate the sound power level.

For heat pump space heaters and heat pump combination heaters:

- the extension of the standard(s), such as EN 14825:2012 to provide

procedures and methods to measure and calculate the energy efficiency ratio, the coefficient of performance at part load conditions, the power consumption in modes other than active mode (for vapour compression electrically, liquid or gaseous fuel driven heat pumps);

- the extension of the standard(s), such as EN 12309-2:2000 and prEN 12309-2:2012 to provide testing methods of liquid or gaseous fuel adsorption heat pumps with net heat input below 70 kW including the calculation of NO_x emissions based on GCV fuel input;
- the extension of the standard(s), such as EN 14511-2:2008 to provide procedures and methods for test conditions of heat pumps with electrically driven compressors;
- the extension of the standard(s), such as EN 12102:2008 to provide procedures and methods to measure and calculate the sound power level.

For solar devices:

- the extension of the standard(s), such as EN 12976-2:2006 to provide procedures and methods for the calculation of collector aperture area and additional elements affecting collector efficiency;
- the extension of the standard(s), such as ISO 9459-5 to provide procedures and methods for laboratory testing of solar devices.

New measurement and calculation methods or new products may be integrated in the extension of existing standards, as appropriate.

Verification procedure for market surveillance purposes:

- to ensure that the prospective harmonised standards identify and control the sources of variability to be considered for market surveillance purposes;
- to provide values for measurement uncertainties for the purposes of the verification procedure for the measured parameters taking into account the different sources of variability to be considered when a specific product is taken from the market and measured for market surveillance purposes;
- to verify if, in order to reduce the impact of variability to the system, the standards should include specific criteria to be met by laboratories involved in the verification of the declared data (e.g. quality management system, qualification system, personnel training...);
- to ensure that the tolerances set out in the regulations are not being used by manufacturers to systematically place products on the market and/or put them into service that are not compliant with the requirements of the above-mentioned regulations or that systematically result in lower energy performance compared to what can be inferred by the energy efficiency class indicated on their energy label.

Template for test report:

- to define a template for a test report indicating the information to be declared by the

manufacturers to fulfil at least the eco-design and energy labelling requirements in the regulations.

3. EXECUTION OF THE WORK

CEN, CENELEC and ETSI are requested to communicate to the Commission, within 4 months of the acceptance of this request, a work plan for the execution of the above mentioned standardisation tasks, indicating the standards requiring revision or amendment, and the new standards that would need to be developed, if any.

CEN, CENELEC and ETSI are requested to communicate to the Commission after 15 months from the acceptance of this request an interim report on the progress of the tasks set out in this request indicating any eventual difficulties encountered and communicating details of any standards that has been taken into consideration and modified to answer to the needs of the request.

CEN, CENELEC and ETSI are requested to provide, in the working languages of the ESOs, a copy of the standards developed under this request within 20 months.

CEN, CENELEC and ETSI are requested to forward the titles of the standards developed or adapted under this request in all the official languages of the European Union.

CEN, CENELEC and ETSI are requested to draw up the work plan and execute the above mentioned tasks in close cooperation in order to ensure consistency and avoid overlapping standards.

Wherever possible the tasks should be executed within the framework of the Vienna and Dresden Agreements with a view to duly take into consideration the activities already done or in process at international level.

CEN, CENELEC and ETSI are requested to indicate the relationship between the clauses of the standard and the essential requirements covered.

Acceptance by CEN, CENELEC and ETSI, as applicable, of this request starts the standstill period referred to in Article 7 of the Directive 98/34/EC of 22 June 1998 (Of N° L 204/37 of 21 July 1998).

4. BODIES TO BE ASSOCIATED

As appropriate, CEN, CENELEC and ETSI will invite the representative organisations of consumers' interests (ANEC, BEUC), environmental protection (ECOS, INFORSE, EEB, WWF, Friends of the Earth), workers (ETUI-REHS), industry (NORMAPME, CECED, EHI, Eurofuel, Marcogaz, EHPA, EPEE, Eurovent, COGEN, ESTIF, EUBAC, GCI-UICP, EuroCommerce, etc.) to take part in the standardisation work.

CEN, CENELEC and ETSI are also requested to consult with the European Commission DG Joint Research Centre in order to explore if the Commission's research institutes dispose of specific competence to support the standardisation work.

TECHNICAL UPDATE (ANNEX B OF M/495)

PRODUCT GROUPS:
WATER HEATERS AND HOT WATER STORAGE TANKS

DETAILS OF REQUEST TO CEN, CENELEC AND ETSI FOR STANDARDISATION IN THE FIELD OF WATER HEATERS, HOT WATER STORAGE TANKS AND RELATED PRODUCTS UNDER COMMISSION REGULATIONS 812/2013 AND 814/2013

1. BACKGROUND

1.1. Legal basis

Commission Regulation (EU) No 814/2013 of 2 August 2013 implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for water heaters and hot water storage tanks¹

Commission Delegated Regulation (EU) No 812/2013 of 18 February 2013 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to energy labelling of water heaters, hot water storage tanks and packages of water heater and solar device²

1.2. The aim of the technical update

Commission Regulation (EU) No 814/2013 sets ecodesign requirements for water heaters and hot water storage tanks.

Commission Delegated Regulation (EU) No 812/2013 sets energy labelling requirements for water heaters, hot water storage tanks and packages of water heater and solar device.

These two regulations (referred to below as "the regulations") require that the measurement and calculation procedures for establishing energy performances and other environmental impacts shall be reliable, accurate and reproducible and take into account the generally recognised state of the art, in order to ensure comparable measurement and calculation procedures for the product types in the scope of the regulations and to facilitate market surveillance activities.

The aim of this technical update is to identify standardisation needs for harmonised

¹ OJ L 239, 6.9.2013, p 162.

² OJ L 239, 6.9.2013, p 83.

standard(s) which cover(s) these requirements. The harmonised standard(s) shall incorporate relevant measurement and calculation methods, including measurement and calculation methods set out in Commission Communications which have been published for that purpose in the Official Journal of the European Union.

2. DESCRIPTION OF THE WORK

The Commission requests CEN, CENELEC and ETSI to elaborate reliable, accurate and reproducible European standards, which take into account the generally recognised state of the art, and/or to adopt or adapt existing European and international standards for water heaters, hot water storage tanks and related products (solar devices, packages of water heater and solar device), laying down procedures and methods of measuring and calculating the energy consumption and associated characteristics, sound power level and emissions of nitrogen oxides, carbon monoxide, particulate matter and hydrocarbons of these products. The standards have also to include the necessary definitions of the appliance types and of the parameters to be measured and/or calculated. The product types use electricity or, liquid or gaseous fuels.

The standardisation tasks covered by this request are as follows.

Procedures and methods for measuring and calculating the parameters regulated in regulations 812/2013 and 814/2013:

- (1) to ensure that the prospective harmonised standards provide, where appropriate, revised and/or new definitions at least for the types and main characteristics of the products covered by the regulations;
- (2) to ensure that the prospective harmonised standards provide procedures and methods to define, measure and calculate at least the following aspects for water heaters:
 - for water heaters: the load profiles, the water heating energy efficiency, the daily and annual electricity consumption, the storage volume, the mixed water at 40°C, the sound power level, indoors, the information for disassembly, recycling and disposal;
 - in addition, for water heaters using fossil fuels: the daily and annual fuel consumption, the emissions of nitrogen oxides, carbon monoxide, particulate matter and hydrocarbons,
 - in addition, for water heaters with enabled smart control settings: weekly electricity consumption and weekly fuel consumption with enabled smart control settings, the weekly electricity consumption and weekly fuel consumption without enabled smart control settings;
 - in addition, for solar water heaters and solar devices: the collector aperture area, the zero-load efficiency, the first-order coefficient, the second-order coefficient, the incidence angle modifier, the pump power consumption, the annual non-solar heat contribution, the standby power consumption, the heat generator water heating energy efficiency, the annual auxiliary electricity consumption;
 - in addition, for heat pump water heaters: the sound power level, outdoors.
- (3) to ensure that the prospective harmonised standards provide procedures and methods to define, measure and calculate at least the following aspects for hot water storage

tanks and packages of water heater and solar device:

- the storage volume, the standing loss, the information for disassembly, recycling and disposal;
- for packages of water heater and solar device: water heating energy efficiency of the package.

(4) to ensure that the prospective harmonised standards build on existing standards by taking into account improved measurement and calculation methods and new product types to better reflect the user behaviour and the state of the art at European and international level. In particular care shall be taken about:

For electrical water heaters:

- the extension of the standard(s), such as prEN 50440:2010 and EN 50193-1:2013 to define the test-rig for the measurement of daily electricity consumption and standby power consumption to detect water demand.
- To develop a method for determining the smart control factor for instantaneous water heaters.

For water heaters using fossil and/or biomass fuel:

- the extension of the standard(s) EN 26:1997 and EN 89:1999 to define the test-rig for the measurement of daily electricity consumption and the daily fuel consumption;
- the extension of the standard(s), such as EN 13203-2:2006, to define the test preparation for the measurement of daily fuel consumption,
- the extension of the standard(s), such as prEN 89, prEN 26 to provide procedures and methods to measure and calculate emissions of nitrogen oxides, carbon monoxide, particulate matter and hydrocarbons.
- the extension of the standard(s), such as EN 15036 – 1, to provide procedures and methods to measure and calculate the sound power level.

For solar water heaters and solar devices:

- the extension of the standard(s), such as EN 12975:2006; EN12977-2; EN12977-3 to provide procedures and methods to measure and calculate collector aperture area, zero-load efficiency, first-order coefficient, second-order coefficient and incidence angle modifier;
- the extension of the standard(s), such as EN 62301: 2005, to provide procedures and methods to measure and calculate standby power consumption;
- the extension of the standard(s), such as the EN 15316-4-3 and ISO 9459-5, for the development of methods such as SOLCAL and SOLICS for the assessment of the annual non-solar heat contribution.

For heat pump water heaters:

- the extension of the standard(s), such as EN 12102:2008 to provide

procedures and methods to measure and calculate the sound power level;

- the extension of the standard(s), such as EN 16147:2011 to define the test-rig for heat pumps with electrically driven compressors.

For hot water storage tanks:

- the extension of the standard(s), such as EN 12897:2006 and EN 15332:2007 to provide procedures and methods to measure and calculate the standing loss including losses due to circulation through pipes;
- the extension of the standard(s), such as EN 12977-3:2008 to provide procedures and methods to measure and calculate the standing loss for thermal solar systems;
- the extension of the standard(s), such as EN 60379:2004 to provide procedures and methods to measure and calculate the standing loss for electric storage water heaters.

For water heaters with enabled smart control settings:

- the extension of the standard(s), such as prEN50440, to define the test-rig for the measurement of electricity consumption.

New measurement and calculation methods or new products may be integrated in the extension of existing standards, as appropriate.

Verification procedure for market surveillance purposes:

- to ensure that the prospective harmonised standards identify and control the sources of variability to be considered for market surveillance purposes;
- to provide values for measurement uncertainties for the purposes of the verification procedure for the measured parameters taking into account the different sources of variability to be considered when a specific product is taken from the market and measured for market surveillance purposes;
- to verify if, in order to reduce the impact of variability to the system, the standards should include specific criteria to be met by laboratories involved in the verification of the declared data (e.g. quality management system, qualification system, personnel training...);
- to ensure that the tolerances set out in the regulations are not being used by manufacturers to systematically place products on the market and/or put them into service that are not compliant with the requirements of the above-mentioned regulations or that systematically result in lower energy performance compared to what can be inferred by the energy efficiency class indicated on their energy label.

Template for test report:

- to define a template for a test report indicating the information to be declared by the manufacturers to fulfil at least the eco-design and energy labelling requirements in the regulations.

3. EXECUTION OF THE WORK

CEN, CENELEC and ETSI are requested to communicate to the Commission, within 4 months of the acceptance of this request, a work plan for the execution of the above mentioned standardisation tasks, indicating the standards requiring revision or amendment, and the new standards that would need to be developed, if any.

CEN, CENELEC and ETSI are requested to communicate to the Commission after 15 months from the acceptance of this request an interim report on the progress of the tasks set out in this request indicating any eventual difficulties encountered and communicating details of any standards that has been taken into consideration and modified to answer to the needs of the request.

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CEN, CENELEC and ETSI are requested to forward the titles of the standards developed or adapted under this request in all the official languages of the European Union.

CEN, CENELEC and ETSI are requested to draw up the work plan and execute the above mentioned tasks in close cooperation in order to ensure consistency and avoid overlapping standards.

Wherever possible the tasks should be executed within the framework of the Vienna and Dresden Agreements with a view to duly take into consideration the activities already done or in process at international level.

CEN, CENELEC and ETSI are requested to indicate the relationship between the clauses of the standard and the essential requirements covered.

Acceptance by CEN, CENELEC and ETSI, as applicable, of this request starts the standstill period referred to in Article 7 of the Directive 98/34/EC of 22 June 1998 (Of N° L 204/37 of 21 July 1998).

4. BODIES TO BE ASSOCIATED

As appropriate, CEN, CENELEC and ETSI will invite the representative organisations of consumers' interests (ANEC, BEUC), environmental protection (ECOS, INFORSE, EEB, WWF, Friends of the Earth), workers (ETUI-REHS), industry (NORMAPME, CECED, EHI, EHPA, EPEE, Eurovent, COGEN, ESTIF, GCI-UICP, EuroCommerce, etc.) to take part in the standardisation work.

CEN, CENELEC and ETSI are also requested to consult with the European Commission DG Joint Research Centre in order to explore if the Commission's research institutes dispose of specific competence to support the standardisation work.