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DIRECTORATE-GENERAL ENERGY AND TRANSPORT

New energies & demand Management
Promotion of Renewable Energy Sources & Demand Management

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MANDATE TO CEN/CENELEC FOR THE ELABORATION AND ADOPTION OF
STANDARDS FOR THE DEFINITION AND THE MEASUREMENT METHOD FOR
THE DETERMINATION OF STAND-BY LOSSES OF DOMESTIC APPLIANCES
AND DOMESTIC LIGHTING EQUIPMENT

I. Justification

The present mandate is within the actions undertaken under the SAVE¹ and PACE² programmes for the promotion of energy efficiency in the Union; both the programmes foresee initiatives to improve the energy efficiency of energy using equipment. Stand-by, off-mode and no-load losses are responsible for a large and increasing electricity consumption and it is one of the priority area of action of the PACE programme. Within these programmes, it also relates to Council Directive 92/75/EEC³, which lays down the legal basis for a compulsory system of energy labelling and information provision for certain energy using household appliances and lighting equipment.

In order to develop Union actions to reduce stand-by, off-mode and no-load losses of domestic appliances and lighting equipment it is necessary to have a uniform measurement standard of the energy efficiency of these appliances. Existing European, and International standards provide a basis for obtaining this information, but common standard(s) are required to ensure that all appliances covered by this mandate are measured on a comparable basis. This will require that existing standards are revised so as to ensure that they provide measurement methods for energy efficiency, which are

¹ OJ N° L 307 of 8.11.1991, p. 34 - Specific Actions for Vigourous Energy Efficiency, Council Decision of 29.10.1991 (91/565/EEC)

² OJ N L 157 of 9.6.1989, p.32, Council Decision of 5.6.1989 (89/364/EEC) - the acronym is from the name in French: Programme d'action communautaire visant à améliorer l'efficacité de l'utilisation de l'électricité.

³ OJ N L 297 of 13.10.1992, p.16

representative, reproducible, and which allows methods of checking whether sample appliances conform with declared values.

II. Description of mandated work

1. The Commission hereby requests CEN/CENELEC to elaborate, adopt, or adapt existing European and international measurement standards for domestic appliances and lighting equipment, so laying down the methods of measuring their consumption of electric power while in stand-by. This standardisation work shall take into account international and European standards in this field

2. Characteristics to be dealt with in the standards

The standards should define the principal characteristics referred to above to be measured.

Definition of the various operational modes, including, off, no-load and standby modes

Measurement of the power consumption in off, no-load and stand-by modes

For all the characteristics thus defined, tolerances permitted to declared values shall be fixed.

3. Appliances to be covered

The mandate covers the major domestic appliances and domestic lighting equipment, including at least the appliances covered by Council Directive 92/75/EEC. The minimum list of covered equipment shall include:

Refrigerators, freezers and their combination;

Washing machines, dryers and combined washer dryers

Dishwashers

Air-conditioners

Instantaneous and storage gas and electric water heaters

Gas, electric and microwave ovens

Domestic boilers

Domestic lighting equipment (notably low voltage halogen lamp luminaires)

The work may be divided in two phases as follows:

Phase I: definitions of operational modes and an establishment of a work programme for the appliances in the above list.

Phase II: elaboration of the measurement methods for the individual appliances according to the work programme

III. Execution of request

1. The European Standards (EN) taking into account the principal characteristics referred to above, will be adopted by :

Phase I 31 December 2001

Phase II 31 December 2002

2. Three linguistic versions (DE, EN, FR) of the each standard will be available at adoption, together with the correct titles in the other Community languages.
3. Acceptance by CEN/CENELEC of this mandate will initiate the standstill period referred to in Article 7 of the Council Directive 98/34/EC⁴ of 22 June 1998 shall commence when the CEN accepts this standardisation mandate.
4. CEN and CENELEC will ensure a close collaboration between them in order to maintain a coherent set of European standards.
5. CEN/CENELEC may choose to adopt the European standards on the basis of the International bodies' standardisation activities, via the parallel vote procedure. However, if CEN/CENELEC notes that the target date, referred to above, will not be met, they will undertake to do the necessary in order to prepare European standards, after consulting with IEC and ISO, at their own level.

⁴ OJ L 204 of 21.07.98, p. 37, as amended by Directive 98/48/EC (OJ L 217 of 5/8/98, p. 18)