



Brussels, December 22 1997.

M 267 EN

MANDATE TO CEN/CENELEC FOR THE ELABORATION AND ADOPTION OF
STANDARDS FOR THE DESIGNATION OF OPERATIONAL MODES AND FOR
THE MEASUREMENT METHOD FOR THE POWER CONSUMPTION OF AUDIO
SYSTEMS

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. Consumer electronics, and in particular audio systems, is responsible for large electricity consumption in the domestic sector. In addition, this type of equipment operates in a variety of operational modes (stand-by, active, off, etc.) and the power consumption in each operational mode varies greatly among identical type of equipment. It is one of the priority area of action of the SAVE and PACE programme to improve energy consumption of domestic appliances through legislative actions such as labelling and other actions such as voluntary agreements. Comprehensive studies carried out for the Commission³ indicate that substantial energy savings can be achieved with the use of more energy efficient audio systems. In order to develop Union actions to enhance energy efficiency of these type of consumer electronics, it is necessary to have a uniform definition of operational modes and of measurement method for the power consumption 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 consumption, which is representative, reproducible, and which

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 Study for the Commission of the European Communities on Stand-by Losses and Energy Savings Potential for Television and Video Recorder Sets in Europe, carried out by NOVEM (the Netherlands), (Final Report September 1996).

Study for the Commission of the European Communities on Miscellaneous Stand-by Power Consumption of Household Equipment in Europe, carried out by OMVA (Sweden), (Final Report September 1997).

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 and adopt standards, or to adapt existing European and international measurement standards for audio systems, so laying down the definition of the operational modes, and for each operational mode, methods for measuring the power consumption. 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 operational modes, including the definition of the mode connected, inactive at zero consumption;

For each operational mode method of measurement of power consumption;

Definition of standard cycles of operation for each type of appliance covered by the present mandate and methods of measure for these standards cycles;

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

3. Equipment to be covered by the present mandate

The mandate covers all main operated audio systems put on the market for domestic uses:

The work may be divided into two phases as follows:

- ① Definition of operational modes
- ② Power consumption in the different operational modes identified at point 1

III. Execution of request

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

Phase 1	31 December 1998
Phase 2	30 June 1999

- 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 83/189/EEC of 28 March 1983⁴, lastly amended by Directive 94/10/EEC⁵.
- 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' standardization 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 n° L 109 of 26.4.1983

⁵ OJ n° L 100 of 19.4.1994