



Brussels, 24 November 1999

M/296 - EN

MANDATE TO CEN/CENELEC FOR THE REVISION AND EXTENSION OF THE
EN 50294 STANDARD “MEASUREMENT METHODS OF TOTAL
INPUT POWER OF BALLAST-LAMP CIRCUIT”

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. Lighting is responsible for large electricity consumption and it is one of the priority area of action of the PACE programme. Substantial energy savings can be achieved with the use of more energy efficient ballasts. In order to develop Union actions to enhance energy efficiency of ballasts it is necessary to have a uniform measurement standard of the energy consumption for 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 allows methods of checking whether sample appliances conform with declared values.

II. Description of mandated work

¹ OJ N° L 307 of 8.11.1991, p. 34 - Specific Actions for Vigorous 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.

1. The Commission hereby requests CEN/CENELEC review and extend the European Standard EN 50294 by elaborating, adopting, or adapting existing European and international measurement standards for ballasts, so laying down the methods of measuring their consumption of electric power and their efficacy. 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 reference ballasts

Ballast Lumen Factor

Total Ballast-lamp Circuit Power

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

3. Ballasts to be covered

The mandate covers all ballasts sold for domestic, commercial, industrial and outdoor public lighting purposes for the following lamps :

1. Fluorescent lighting non covered by the present standard EN 50294 (e.g. lamp with power smaller than 18W, multi-lamp ballasts, etc);
2. Discharge lamps for indoor and outdoor application (public lighting).

Ballast which form an integral parts with lamps are excluded

The work may be divided into two phases as follows:

- 1 Ballasts for fluorescent lighting non covered by the present standard EN 50294 (e.g. lamp with power smaller than 18 W, multi-lamp ballasts, etc)
- 2 Ballasts for discharge lamps for indoor and outdoor application (public lighting)

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 2000

Phase 2 31 December 2001

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 1983³, amended by Directive 94/10/EEC⁴.
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.

³ OJ n° L 109 of 26.4.1983

⁴ OJ n° L 100 of 19.4.1994