



EUROPEAN COMMISSION  
DIRECTORATE GENERAL XVII  
ENERGY  
Directorate XVII  
Unit C2

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M/204

**MANDATE TO CEN/CENELEC FOR THE ELABORATION AND  
ADOPTION OF MEASUREMENT STANDARDS FOR HOUSEHOLD  
WATER HEATER AND HOT-WATER STORAGE APPLIANCES**

**I. Justification**

This standardization mandate is related to Council Directive 92/75/EEC<sup>1</sup> which lays down the legal basis for a compulsory system of energy labelling and information provision for certain energy using household appliances, in particular Water Heater and Hot-water Storage appliances.

In order to provide this information on a comparable basis it is necessary that suppliers of these appliances use a uniform measurement standard. 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 directive are measured on a comparable basis. This means that Council Directive N° 92/75/EEC can best be applied to Water Heater and Hot-water Storage appliances, following the adoption of standards to be provided under this mandate. This will require that existing standards are revised so as to ensure that they provide measurement methods for consumption of electric energy, gas, and other forms of energy, and other essential resources and for supplementary information, which is representative, reproducible, and which allows methods of checking whether sample appliances conform with declared values.

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<sup>1</sup>OJ N° L 297, 13.10.1992,p.16

## **II. Description of mandated work**

1. The Commission hereby requests CEN/CENELEC to elaborate and adopt European measurement standards for household Water Heater and Hot-water Storage appliances using gas or electricity, or other forms of energy, so laying down the methods of measuring their consumption of energy and supplementary information, with a view to meeting the requirements of Council Directive 92/75/EEC, in respect of Water Heater and Hot-water Storage appliances. This standardisation work shall take into account the international and European standards in this field. In particular, the measurement methods should, as far as possible, be independent of the type of Water Heater and Hot-water Storage appliances being tested (gas instantaneous water heater, electric and gas storage water heaters, etc.), or should at least allow the calculation of the energy required to provide a standard 'tapping' cycle of hot water. Test characteristics such as water input, and output temperatures, hardness, and pressure, ambient temperature, humidity, etc., the permitted tolerances of these characteristics and any correction formulae, etc. shall be uniform between the different appliances.

### **2 Characteristics to be dealt with in the standards**

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

Notably    Standing energy loss  
              Consumption of Energy, where applicable at full and partial load  
              Load used in standard cycle  
              Volume and/or capacity of appliance

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For all the characteristics defined above, tolerances permitted to declared values shall be fixed. These tolerances should, as far as possible, also be uniform between different types of appliance.

### **III. Execution of request**

1. The European Standards (EN) taking into account the characteristics referred to above, will be adopted for gas instantaneous water heater, electric and gas storage water heaters, before 31 December 1996.
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 1983<sup>2</sup>.
4. The Commission will communicate to CEN/CENELEC the implementing directives adopted pursuant to Council Directive 92/75/EEC, and reserves the possibility of specifying the minimal requirements more precisely, on this basis.
5. CEN and CENELEC will ensure a close collaboration between them in order to maintain a coherent set of European standards.
6. CEN or CENELEC may choose to adopt the harmonized standards on the basis of the International bodies' standardization activities, via the parallel vote procedure. However, if CEN or 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.

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<sup>2</sup>OJ n° L 109 of 26.4.1983