



## EUROPEAN COMMISSION

DIRECTORATE-GENERAL III  
INDUSTRY

Directorate B: legislation and standardization; telematics networks  
**Unit III/B-2: standardization**

**M/066**

### **STANDARDIZATION MANDATE TO CEN CONCERNING EFFICIENCY REQUIREMENTS FOR BOILERS**

#### **I. MOTIVATION.**

This order follows on from Council Directive 92/042/EEC of 21 May 1992 on efficiency requirements for new hot-water boilers fired with liquid or gaseous fuels.

The efficiency requirements laid down in that Directive need to be applied in all standards, whether already in place or under preparation, that fall within the scope of this Directive, e.g.:

- under TC 57:
  - EN 303/2
  - prEN 304
  
- under TC 109:
  - EN 297
  - prEN 303/3
  - prEN 483
  - prEN 656
  - prEN 677

and, where applicable, the field of application of these standards/draft standards needs to be extended to that defined in Directive 92/042/EEC, namely boilers with an output of no less than 4 kW and no more than 400 kW.

## **II. FACTORS TO BE TAKEN INTO ACCOUNT.**

- The aim of Directive 92/042/EEC is to ensure the free circulation of the appliances in question throughout the territory of the Community, while:
  - contributing to improving the efficiency of final energy demand by at least 20%, as advocated by the Council resolution of 16 September 1986 on new energy-policy objectives for 1995;
  - contributing to stabilizing CO<sub>2</sub> emissions in the Community in the year 2000 at their 1990 level.
- It would thus be inconsistent and inadmissible if this operation led to a reduction in the energy performance of certain types of appliance for which current standards already provide for high efficiency.
- Standards for liquid fuels and for gaseous fuels must be consistent.
- Standards must indicate the variability of laboratory measurements (repeatability and reproducibility). Such variability must be updated in line with the evolution of testing techniques and procedures.
- Standards must also specify how the results of laboratory measurements are to be interpreted, so as to prevent the stipulations of Directive 92/042/EEC being watered down or evaded.
- Performance requirements are to be defined in such a way that the information supplied to consumers is unambiguous, particularly in the case of boilers with adjustable outputs.
- As Directive 92/042/EEC also covers appliances marketed separately (burners and boiler shells), the standards must also define the parameters to be observed in ensure that the energy performance of the final assembly complies with the level laid down in the Directive.
- For boilers where it is mentioned in article 4, paragraph 3, of the Directive, special provisions are required which do not admit to evasive interpretation of the Directive's stipulations.

## **III. EXECUTION OF THE MANDATE.**

1. The European standards - taking into account the factors mentioned under point II above - must be adopted at the dates foreseen by the mandates established for implementation of the Directive 90/396/EEC of the Council of 29 June 1990 related to appliances burning gaseous fuels, ie. at the latest at 31 December 1995. These dates will apply mutatis mutandis for the new hot-water boilers fired with liquid fuels.

2. CEN will send the Commission a draft of the respective European standards made in accordance with the programme, they will send the standards which it has adopted under this mandate to the Commission in three language versions (English, French and German), in view of the Commission's obligation to publish the reference numbers of the harmonised standards in the Official Journal of the European Communities, which is a condition for the standards to produce a presumption of conformity with essential requirements, CEN will also send together with the official versions, the titles of the standards in all official languages of the Community.
3. The EN standards will be transposed into national standards and any diverging national standards will be withdrawn within the Member States of the EEC.
4. The standstill period referred to in Article 7 of Council Directive 83/189/EEC of 28 March 1983 (OJ N° L 109 of 26 April 1983) amended by Council Directive 88/182/EEC (OJ N° L 81 of 26 March 1988) shall apply from the date CEN accept the present mandate.
5. The revision of standards adopted on the basis of the mandate, carried out in conformity with the internal rules of CEN, are covered by this mandate.