Market, environment and objectives of CEN/TC 109 – Central heating boilers using gaseous fuels,
as approved by resolution BTC 67/2000

Scope
All the gas-fired central heating boilers, including the boilers of the condensing type, with or without integrated domestic hot water production, of all types and all nominal inputs, i.e.:
- the boilers fitted with atmospheric burners or premixed burners (fan-assisted or not),
- the units composed of a boiler body and its fan-assisted burner, constituting an indissociable entity,
- the assemblings of a boiler body (according to the requirements prescribed by the CEN/TC 57) and a fan-assisted burner (according to the requirements prescribed by the CEN/TC 131), but only for the specific characteristics suited to the utilisation of gaseous fuels.

Comments: Between TC 131 (“Gas burners using fans”) and TC 109 a discussion is taking place about the border between the scopes of the two TC’s. The question should be solved what the difference is between a fan-assisted burner, a TC109 item, and a forced draught burner, which lies within the scope of TC 131. (See also the comment of the CEN consultant for the GAD on EN 303-3/prA1).

Market, Environment and Objectives
This section establishes a sequential development of thoughts regarding the Market for which the CEN/TC aims to fulfill the needs. This sequence of thoughts starts from a description of the current market situation relevant to the product or product grouping under consideration by the CEN/TC, continues on to an analysis of the different factors motivating/influencing the activities of the CEN/TC, to come to a clear description of objectives for the CEN/TC, together with an accompanying strategy how to reach those objectives. Finally, a general ‘risk analysis’ is included highlighting issues that may delay or stop the CEN/TC achieving its set objectives.

Market Situation
The annual European production volume of all types of gas-fired central heating boilers is about 2 million pieces.

Market Environment
Political, economical, social, technical, legal and international factors that either directly require some or all of the standardization activities proposed by the CEN/TC, or significantly influence the way these activities are carried out are the following:
Political Factors:
Energy saving is still a current topic in European politics. Standardisation helps all interested market parties to introduce modern, energy saving central heating appliances.

Economical Factors:
The product volume of gas-fired central heating boilers is still growing in Europe. The main reasons are the continuing penetration of natural gas, the increasing number of dwellings and the constant popularity of central heating boilers for heating dwellings and drinking water.

Social Factors:

Technical Factors:
The major trends are towards increased efficiency and reduced emissions.

Legal Factors:
Several European countries (e.g. CH, DE, NL) have more stringent specifications for efficiency and/or emissions than required under the Gas Appliance Directive. These should not be seen as barriers to trade, but will certainly have an impact on future standardisation for central heating appliances.

International trade and standardisation aspects:
The last decades, European companies producing central heating boilers have been growing by merging. The market for these big companies covers several or all European countries. The use of standards helps in reducing cost for marketing their products in the different European countries.

Objectives of the CEN/TC and Strategies for their Achievement

Objectives of the CEN/TC
Elaboration and maintenance of standards on gas-fired central heating boilers.

Strategies adopted to reach the Objectives
The current set of standards has been based on national standards supplied by the CEN members. Most of the decisions are taken in actual meetings, although urgent matters have been settled by postal consultations from time to time. Translation during meetings is provided at plenary committee level, and for some working groups.
The TC has four working groups for distinct groups of appliances; manufacturers also differ from one working group to another.
In order avoid any duplication of work, the TC has liaisons with CEN/TCs 131 (“Gas burners using fans”), 166 (“Chimneys”) and CLC/TC59X (“Consumers information related to household electrical appliances”).

Risk analysis
The translation of the original in English drafted document is often delayed, especially in the German language. The main reason is the rapid change of (German) members in the working groups drafting the standards. The original EC Mandate M/204 to CEN/Cenelec was not accepted by CEN, who requested major improvements. This plays a role in the finalization of the standard prEN 13203 (“Qualification of domestic hot water function of gas-fired appliances for domestic use”), which supports the Energy Consumption Labelling Directive 92/75/EEC. TC 109/WG4, and the Chairman of TC 109, will continue the negotiations with the new representative within EC DG TREN (Transport and
Energy).