



BUSINESS PLAN
CEN/TC 297
FREE-STANDING INDUSTRIAL CHIMNEYS

EXECUTIVE SUMMARY

Business Environment

This development of standards concerns not only the improvements of the chimneys and quality under economical aspects, but it is increasingly influenced by environmental demands required by the society.

Benefits

Improvement on quality

Environmental aspects

The use of these products covers environmental aspects with respect to saving of raw materials and as well as minimizing the need of waste deposits.

Priorities

- To provide European standards,
- to strengthen the competition on the internal market on a common basis,
- to ensure the availability of concerned products on an economic and reliable safety level.

1 BUSINESS ENVIRONMENT OF THE CEN/TC 297

1.1 Description of the Business Environment

The following political, economic, technical, regulatory, legal, societal and/or international dynamics describe the business environment of the industry sector, products, materials, disciplines or practices related to the scope of this CEN/TC, and they may significantly influence how the relevant standards development processes are conducted and the content of the resulting standards:

Standardization in the field of free-standing chimneys for industrial and utility applications including terminology, performance requirements, safety aspects, design as far as not covered by the Eurocodes, construction and maintenance of the shell, lining and accessories. A chimney may also be considered as free-standing, if it is guyed or supported or if it stands on an other structure. All flue gas ducts to the chimney are outside the scope. Note: "Utility applications" can include schools, hospitals, assembly rooms, theatres, swimming pools, prisons etc.

Although the production of chimneys is a rather experienced technique with long-term tradition in various countries, a permanent development with respect to the technology, advanced production methods and the use of modern materials is taking place.

This development concerns not only the improvement of the chimneys and quality under economical aspects, but it is increasingly influenced by environmental demands required by the society.

1.2 Quantitative Indicators of the Business Environment

Colleagues of European Industrial Federations and Associations are asked for information (if any) on:

- Annual production number and/or value (€) of chimneys in Europe

The following list of quantitative indicators describes the business environment in order to provide adequate information to support actions of the CEN /TC:

2 BENEFITS EXPECTED FROM THE WORK OF THE CEN/TC

Improvement on quality

Beside an even quality and performance of chimney structures and the better assessment of these issues by the customer, standardization in the field of the technology leads to an improvement of the structures by increasing the durability and the stability of the chimneys.

Economical aspects

Standardization in the scope of CEN/TC 297 leads to an economical use of chimneys by reliable calculation methods based on tests.

Beside this, the free availability and tradability of chimneys and their components on the European market decreases costs by increasing the competition of producers.

Political aspects

The products of CEN/TC 297 are covered by a mandate M 105 of the Commission and can get the CE Mark. CEN/TC 53 and its working groups provide product specifications to support the aims of the Construction Products Directive 89/106/EEC. This again relates finally to economical and market aspects in accordance with the remarks above.

3 PARTICIPATION IN THE CEN/TC

All the CEN national members are entitled to nominate delegates to CEN Technical Committees and experts to Working Groups, ensuring a balance of all interested parties. Participation as observers of recognized European or international organizations is also possible under certain conditions. To participate in the activities of this CEN/TC, please contact the national standards organization in your country.

All CEN members are on the mailing list of CEN/TC 297. From these about 15 % are actively involved in the technical work of CEN/TC 297 and its working groups.

Furthermore, CEN/TC 297 keeps bilateral contacts with the following CEN/TCs:

CEN/TC 166 "Chimneys"

CEN/TC 250/SC 3 "Eurocode 3 - Design of steel structures".

4 OBJECTIVES OF THE CEN/TC AND STRATEGIES FOR THEIR ACHIEVEMENT

4.1 Defined objectives of the CEN/TC

The main objective is to create a valuable series of European Standards on free-standing chimneys covering the main aspects of general requirements, design, execution and in some cases requirements for prefabricated elements. CEN/TC 297 wants the multi-part standard prEN 13084 to be published as soon as possible.

In close cooperation with CEN/TC 166 "Chimneys", some of the parts of EN 13084 will include conditions under which products in accordance with standards drafted by CEN/TC 166 may be used in free-standing chimneys.

CEN/TC 297/WG 3 has participated in the drafting of ENV 1993-3-2 "Design of steel structures – Part 3-2: Towers, masts and chimneys - Chimneys" which has been worked out by CEN/TC 250.

4.2 Identified strategies to achieve the CEN/TCs defined objectives.

The four WGs have prepared almost the complete set of standards.

A coordination between CEN/TC 166 and CEN/TC 297 takes place in order to avoid conflicting regulations.

There also is a permanent liaison with CEN/TC 250 "Structural Eurocodes". The liaison with the project team under CEN/TC 250 that prepared ENV 1993-3-2 is reactivated as a revision of the Eurocode concerned starts.

4.3 Environmental aspects

In line with the CEN policy on addressing environmental issues in product standards, CEN/TC 297 recognises the need to consider any potential impact by taking into account environmental issues in its standards. Therefore, it is necessary to understand how the product interacts with the environment during its life-cycle.

For this reason, standards under CEN/TC 297 should include processes, techniques and materials that can help to control, reduce or avoid negative environmental impacts, also involving material reuse, recycling and recovery at end-of-life.

CEN/TC 297 deals with materials without harmful characteristics. The use of these products covers environmental aspects with respect to saving of raw materials and as well as minimizing the need of waste deposits.

CEN/TC 297 will encourage experts to include environmental issues, at any stage in the standard development process, in their comments or proposals inviting them to participate actively in developing robust and properly validated standards.

5 FACTORS AFFECTING COMPLETION AND IMPLEMENTATION OF THE CEN/TC WORK PROGRAMME

No serious reasons do interfere or delay the publication of EN 13084-2 and the revision of EN 13084-1. These standards are expected to be published in 2006.