



BUSINESS PLAN

CEN/TC 183 "Waste management"

EXECUTIVE SUMMARY

Business Environment

The main activity of CEN/TC 183 is standardisation in the field of waste management including public cleaning, taking into particular account technical and logistical aspects, safety requirements for the collection, transport, storage and transfer of solid and liquid waste and the incorporation of terminology and methodology.

Being considered as state-of-the art worldwide, European waste disposal technology is used by private and municipal waste disposal companies. 40 % of the demand of the world market are produced in Europe.

Parties involved: Users, producers and public authorities.

Benefits

By the use of standards in the field of waste management the state-of-the-art between those who develop waste containers, refuse collection vehicles, equipment for public cleaning etc. and the operators is ensured. By using European Standards access of products to the market is made easier; this leads to a better acceptance of these products in the EU-Countries and throughout the world. By applying Harmonised Standards for the European market the multiplicity of different safety-related technical solutions could be further reduced, thus leading to additional cost saving.

Standardisation of vehicles, equipment, measures, test methods, safety and health requirements contributes to:

- a decrease of costs in production, operation and maintenance;
- a decrease of accidents and occupational diseases; consequently social costs will be reduced;
- the provision of (added values to the essential health and safety requirements of) European Directives.

Since 1989, 24 standards have been adopted and are applied worldwide.

Priorities

To provide European Standards or other CEN documents, e.g. CENTS or CEN/TR, related to:

- basic concepts and general principles for design of e.g. refuse collection vehicles and waste containers;
- identification and determination of waste volume;
- fundamental safety and health issues;
- Services.

1 BUSINESS ENVIRONMENT OF THE CEN/TC 183

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 183, and they may have significant influence on the way relevant standards development processes are conducted and the content of the resulting standards:

- Standardization in the field of waste management including public cleaning, taking into particular account technical and logistical aspects;
- Drafting of Standards for products and procedures as well as safety requirements for the collection, transport, storage and transfer of solid and liquid waste.

It is the aim of CEN/TC 183 to successfully meet the requirements of EU Directives, for example:

- EU Directive 2006/42/EC (New Approach Directive),
- EU Directive 2000/14/EC, amended by 2005/88 EC,
- EU Directive 2012/19/EU.

Waste management is of world-wide interest and a problem which has also been taken into account by the Agenda 21, the Agenda for the 21st Century of the UN Conference on Environment and Development (Rio de Janeiro, 1992). The standardised products are used in all European countries, harmonised EN are therefore an important basis for a common European market for these products. The identification and weighing technique is useful to minimise the amount of waste by easing the application of the "Polluter pay" principle.

Interested parties (stakeholders) in the standardization process are all parties interested in waste management regarding the collection, transport, storage etc. of waste, road cleaning and winter services, for example manufacturers of all kinds of waste containers, waste collection vehicles, machines and equipment for road-surface cleaning and machines for maintaining sports and leisure areas; all public authorities, institutes, laboratories, consumer representatives and other governmental / non-governmental organisations.

Already taking part in the standardization activity within CEN/TC 183 are associations and national companies, suppliers of raw material for the containers, test institutes, producers of vehicles and machines, national standard organisations representing a national point of view and others. There has been international standardization activity under ISO/TC 200 „Solid wastes“ with which liaison has firmly been established, but the TC 200 has been disbanded.

1.2 Quantitative Indicators of the Business Environment

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

Trends of the business environment

- Development of new collection, treatment and disposal technology for reducing collection, treatment and disposal costs.
E. g. saving labour costs when emptying waste containers by using automatic systems.
- Reducing occupational health and safety problems, e.g. by providing safe and efficient means for handling the waste.
- Separation of waste in different fractions already at collection - e. g. glass, paper, metal, synthetic packaging, biological waste and residual waste – in order to ease the recycling or

separate treatment of these fractions.

- Identification of waste containers in order to support waste containers administration and accounting systems.
- Identification and weighing systems for realisation of accounting systems which are equitable according to expenditure and consequently for waste reduction.

Purpose of usage and acceptance

- Usage of standards of TC 183 in Europe:
 - Conformity assessment
 - All producers of vehicle and waste bin technology
 - Requirement by private and municipal waste management companies
 - Basis of quality systems, e. g. AFNOR/mark NF and RAL-GZ 951/1 and /2
 - Basis for test institutes
- Usage of standards outside Europe:
 - Worldwide
 - Corresponding national standards only exist in USA and Australia – but the Australian standards are based on the standards of TC 183

2 BENEFITS EXPECTED FROM THE WORK OF THE CEN/TC 183

- Better understanding among users and manufacturers;
- Reduction of the number of types of equipments;
- Interchangeability of components of systems and/or pieces of equipment;
- Supporting manufacturers to develop machines, e.g. refuse collection vehicles, to meet essential safety and health requirements;
- Development of product standards which are based on an accepted European approach;
- Provision of an overall framework and guidance to enable designers, manufacturers, etc. to produce machinery, etc. which is safe to be used as intended for professional and private purposes;
- Contribution towards the abolition of technical barriers to trade and opening of the markets throughout Europe;
- Provision of a common basis for coherent and comprehensive product safety and health standards;
- Avoiding duplication of work on horizontal subjects like methodology, protective devices and particular health and safety aspects;
- Support or are expected to support European legislation, in particular New Approach Directives.

3 PARTICIPATION IN THE CEN/TC 183

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 183, please contact the national standards organization in your country.

4 OBJECTIVES OF THE CEN/TC 183 AND STRATEGIES FOR THEIR ACHIEVEMENT

4.1 Defined objectives of the CEN/TC 183

The objectives of CEN/TC 183 are:

- to elaborate standards within the scope of the CEN/TC 183 including standards for test methods;
- to adjust the work programme to meet market needs;
- to provide designers, manufacturers, etc. with an overall framework and guidance to enable them to produce machines and products which are safe for their intended use;
- to adjust the work programme for the elaboration of standards according to mandates given by the EC;
- to work in co-ordination with ISO, when appropriate.

4.2 Identified strategies to achieve the CEN/TC 183 defined objectives.

- contribute to eliminate trade barriers;
- serve to harmonize the reference terms in the sector, thus making it easier for the parties to understand each other;
- give orientation to manufacturers on how to meet legal requirements in relation to areas of growing interest, such as occupational, safety and health and also environmental protection;
- give standards of international diffusion thus favoring the global market.

The CEN/TC 183 has already elaborated standards on requirements for mobile waste containers and rear-end loaded refuse collection vehicles because of their very large use in Europe and are therefore considered as basic documents for the further work programme.

The work is being done in parallel, that is, several projects are developed at the same time, however, the pace at which new work items are incorporated has slowed down significantly compared to the first years after foundation of the CEN/TC 183. After having finished the standards, first revisions would be due.

As CEN/TC 183 and WG members have gained experience in the standardization process, they work more efficiently.

The CEN/TC 183 acknowledged that most of the work is done in English. The TC meetings are held in English. Most documents are provided in English via Internet (e-mail and/or Livelink). The TC reports and resolutions are provided in English.

The CEN/TC 183 meetings are held once a year. In between, WGs have their own meetings and all other matters are solved by correspondence.

CEN/TC 183 has established three Working Groups:

- CEN/TC 183/WG 1 "Waste containers"
- CEN/TC 183/WG 2 "Waste collection vehicles and their associated lifting devices"
- CEN/TC 183/WG 3 "Identification and/or determination of the quantity of waste"

4.3 Environmental aspects

- All CEN/TC 183 working units when creating new or revising existing standards or other CEN documents are taking care on environmental aspects of that document using N810 "Environmental Aspects in Standards – Checklist".
- The relevant environmental aspects already have to be reflected when asking for a New Work Item.
- CEN/TC 183 checks the attention to environmental aspects during the annual plenary meetings. All WGs are considering environmental aspects in their area of responsibility.

5 FACTORS AFFECTING COMPLETION AND IMPLEMENTATION OF THE CEN/TC 183 WORK PROGRAMME

Depending on the tasks of the working group, the extent to which the experts participate in the work of the individual WGs/PWGs varies considerably. In future, the convenors should make further efforts to ensure that at least representatives of five countries will actively take part in the work. Although this exigence has expressly been enforced by CEN in case a resolution concerning the approval of a new item is to be adopted, it would be of considerable importance for the (national) acceptance of the various standards. NSBs should verify that their nominated experts actively participate in the works and then the TC secretariat would ask the NSBs for any explanations or new appointments if they do not.