

## **BUSINESS PLAN**

### **CEN/TC 342**

#### **Metal hoses, metal hose assemblies, metal bellows and expansion joints**

### **EXECUTIVE SUMMARY**

#### **Business environments**

The scope of the TC 342 is the standardization in the field of metal hoses, metal hose assemblies, metal bellows and expansion joints for general applications and for specific applications as required by the market, but avoiding overlapping conflicts with other functional CEN/TC's.

The products covered by the CEN/TC 342 are used for a wide range of applications such as:

- pressure equipment;
- gas distribution and appliances;
- water distribution and appliances;
- chemical and petrochemical industry;
- engine building industry;
- machine building industry;
- automotive;
- cryogenic industry;
- solar energy.

Parties interested in the standardisation process are:

- major industries of manufacturers and assemblers;
- manufacturers of original equipments;
- operators of the sector of application;
- public authorities;
- non-governmental organisations.

Benefits:

- harmonized products and materials to be used within applications governed by European Directives where CE marking is needed;
- maintaining and guaranteeing a worldwide recognized and accepted level of quality of products concerned;
- avoiding of fragmentation of the market with a lot of products manufactured in accordance with national standards which were very similar;
- offering a common base for manufacturers, assemblers and customers regarding minimum requirements for products due to performance, safety and installation.

## **1 BUSINESS ENVIRONMENT OF THE CEN/TC 342**

### **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:

The scope of the TC 342 is the standardization in the field of metal hoses, metal hose assemblies, metal bellows and expansion joints for general applications and for specific applications as required by the market, but avoiding overlapping conflicts with other functional CEN/TC's.

Parties interested in the standardisation process are:

- major industries of manufacturers and assemblers;
- manufacturers of original equipments;
- operators of the sector of application;
- public authorities;
- non-governmental organisations.

A major part of the work of CEN/TC 342 is carried out in the context of the European Directives and Regulations [e.g. the Pressure Equipment Directive 97/23/CE and Construction Product Regulation (EU) 305/2011] and relating Mandates.

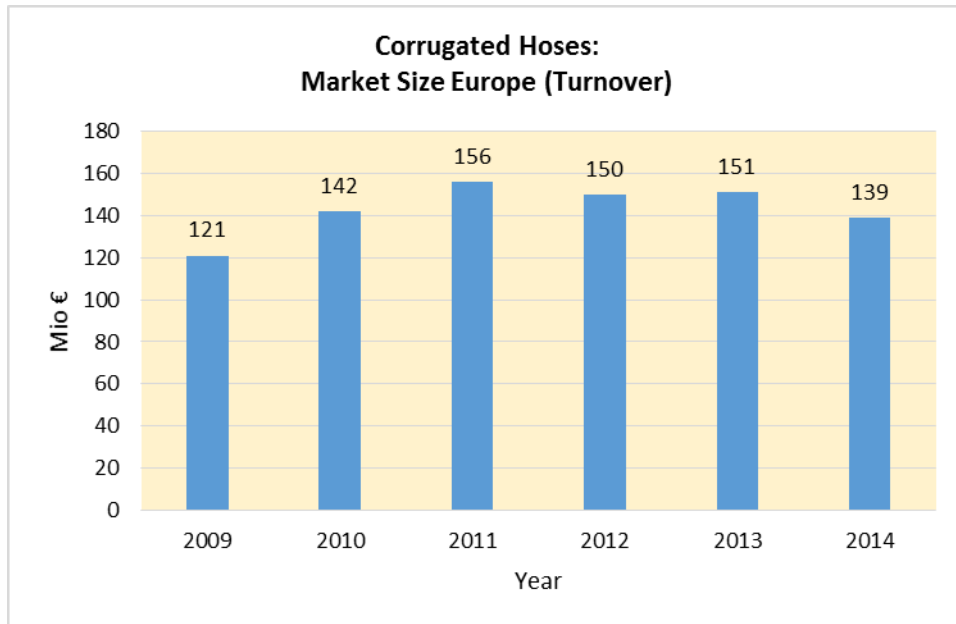
Europe is the dwelling of some of the largest manufacturers of products falling within the scope of CEN/TC 342. A strong European standardisation activity could be a base for influencing the international standardisation activity; a good liaison with ISO is already existing in the in the view of the new context of WTO.

The products covered by the CEN/TC 342 are used for a wide range of applications such as:

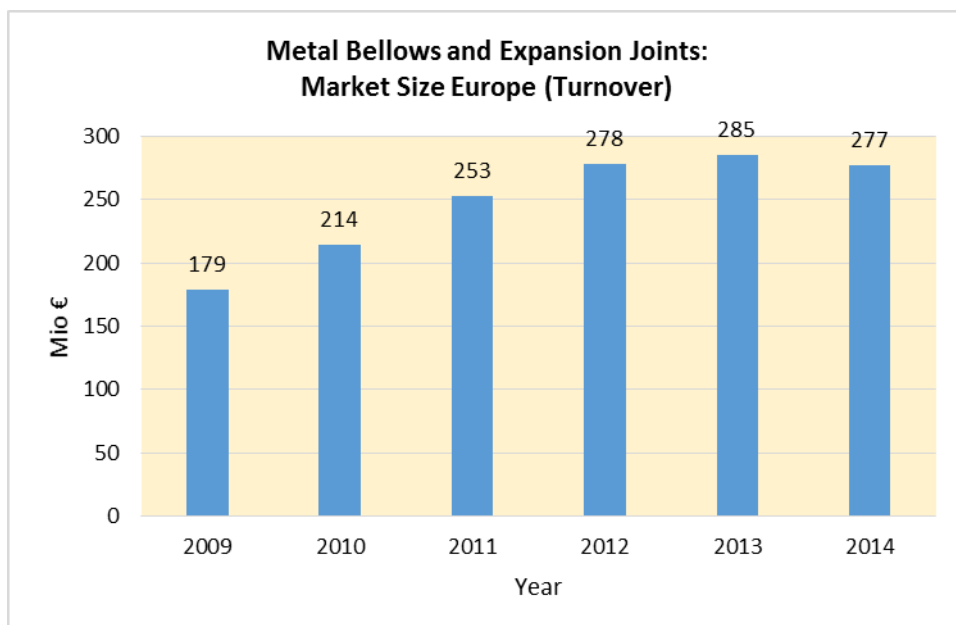
- pressure equipment;
- gas distribution and appliances;
- water distribution and appliances;
- chemical and petrochemical industry;
- engine building industry;
- machine building industry;
- automotive;
- cryogenic industry,
- solar energy.

## 1.2 Quantitative Indicators of the Business Environment

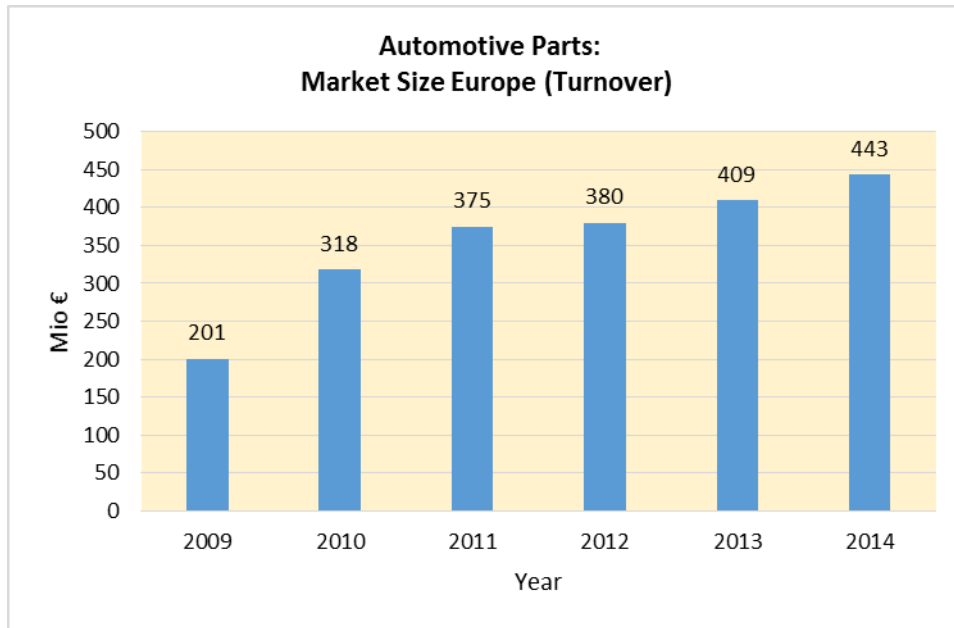
The following list of quantitative indicators describes the business environment in order to provide adequate information to support actions of the CEN /TC:



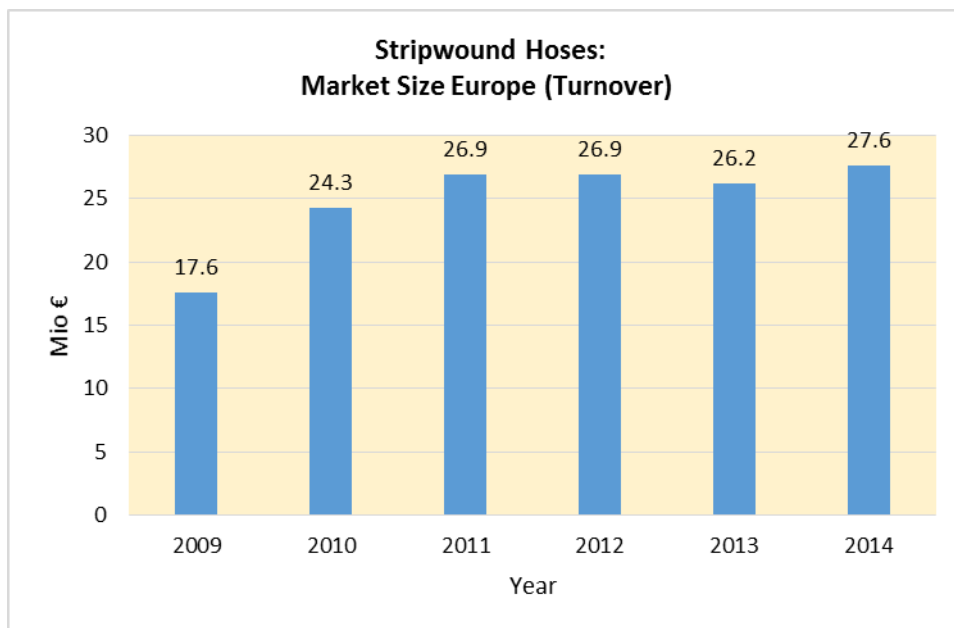
(Source: association Euroqualiflex)



(Source: association Euroqualiflex)



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## **2 BENEFITS EXPECTED FROM THE WORK OF THE CEN/TC 342**

A major part of the work of CEN/TC 342 is carried out in the context of the European Directives and Regulations [e.g. the Pressure Equipment Directive 97/23/CE and Construction Product Regulation (EU) 305/2011] and relating Mandates.

The opportunity to have, all over Europe, a single standard for a given product/application leads to:

- harmonized products and materials to be used within applications governed by European Directives where CE marking is needed;
- maintaining and guaranteeing a worldwide recognized and accepted level of quality of products concerned;
- avoiding of fragmentation of the market with a lot of products manufactured in accordance with national standards which were very similar;
- offering a common base for manufacturers, assemblers and customers regarding minimum requirements for products due to performance, safety and installation.

## **3 PARTICIPATION IN THE CEN/TC 342**

All 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 and EFTA Members are represented in the TC.

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

### **4.1 Defined objectives of the CEN/TC 342**

- prepare standards covering products and materials intended for specific applications, which can be used in the field of the European Directives and thus considered either Harmonised or Harmonised Supporting Standard; (CEN/TC 342 in its programme of work includes standards covering assemblies and then falling within the scope of CE 97/23 directive, see clause 2.1.5)
- prepare complementary standards regarding tests which could be considered as supporting standards;
- prepare standards covering products and materials intended for specific applications, which do not fall under European Directives until now, but are needed by the market.

### **4.2 Identified strategies to achieve the CEN/TC 342 defined objectives.**

The work is done within three working groups which deal with products for specific application.

Important part of the work for developing the EN standards was made taking into account the existing ISO standards which were eventually widely modified and adapted to European market and technical situation.

#### **4.3 Environmental aspects**

Environmental commitment:

Products in the scope of CEN/TC342 provide in their application often a significant contribution in the reduction of all kind of emissions or in the production of clean energy. Improved, safe, reliable and state-of-the-art products assure a maximum impact in terms of energy consumption, lifetime and recycling of their applications.

CEN/TC342 promotes environmentally conscious thinking and behavior at all levels by sustainable and focused work on standards; ecological megatrends, e.g. renewable energies, are of the same importance as economical aspects.

### **5 FACTORS AFFECTING COMPLETION AND IMPLEMENTATION OF THE CEN/TC 342 WORK PROGRAMME**

- Difficulties could be found in the harmonisation of the technical requirements being considered for the various standards of the products, due to the existing differences in the national standards;
- The impact and influence of normative organizations outside of the European Union, e.g. ANSI (USA) on the work of the TC.