



European Commission

Enterprise Directorate General

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Eurocodes in an enlarged market

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Eurocodes facilitating an enlarged market

A. Eurocodes in the internal market

B. Eurocodes in an enlarged market

A. Eurocodes in the internal market

Technical means to support political objectives

1. Health and safety
2. Market functioning/efficiency
3. Technical aspects

A. Eurocodes in the internal market

1. Health and safety

- Contribute to a high level of safety for construction works in Europe (buildings, bridges, etc.)
- Contribute to establishing harmonized European standards (hEN) for structural products (e.g. prefab slabs, beams, etc.)

A. Eurocodes in the internal market

2. Market functioning/efficiency

- Further develop an efficient European sector of construction services and construction products
 - o Facilitate free circulation of products (structural products) and services (contractors, engineers, architects)
 - o Create a larger and more efficient market for structural design activities (for ex. development of common design tools, like calculation software)
 - o Provide a common understanding regarding design issues between owners, operators and users
 - o Facilitate exchanges with third countries, in particular neighbouring countries

A. Eurocodes in the internal market

3. Technical Aspects

- Efficient calculations of mechanical resistance and stability of buildings/civil engineering works
- Constitute a common basis for research and development
- Supporting standards for harmonised product standards (CE marking of such products)

A. Eurocodes in the internal market

3. Technical aspects, ctd

- Most advanced, complete and coherent common codes at the forefront of technical developments (including seismic design)
- Provide a common reference to prove compliance of building and civil engineering works with the CPD Essential Requirement (ER) n° 1 “Mechanical resistance and stability”, parts of (ER) n° 2 “Safety in case of fire” and (ER) n° 4 “Safety in use”
- A unique tool to determine the performance of structural construction products

A. Eurocodes in the internal market

Current standing

- Long process achieving a major milestone with the adoption of all the 58 European standards (EN)
- The Member States must define the Nationally Determined Parameters (NDPs).
 - difference in climate, soils, seismic activity, etc.
 - safety factors prevailing in each country
- Transition period for the implementation as national standard 2007-2010.
- Eurocodes must be used for public procurement.

- Education and training
- Development of tools
- Research/Development leading to updating of the codes

B. Eurocodes, enlarged market, neighbouring countries

Adopting the Eurocodes would:

- Allow neighbouring countries to benefit from the positive effects in the EU internal market (health & safety, advanced coherent design code, etc.)
- Facilitate access to the large EU market for provision of services and products
- Improve functioning/efficiency of national markets
- Facilitate research/technical development

B. Eurocodes, enlarged market neighbouring countries

1. Benefit from the positive effects in the EU internal market (health & safety, advanced coherent design code, etc.)
 - EU southern members have similar natural conditions (climate, seismic activity, etc)
 - Demands adaptation of existing legislation and rules/practices

B. Eurocodes, enlarged market neighbouring countries

2. Facilitate access to the large EU market for provision of services and products
 - General construction products
 - Structural products
 - Engineering services

B. Eurocodes, enlarged market neighbouring countries

3. Improve functioning/efficiency of national markets
 - More competition on the market
 - Strengthen local companies through cooperation/partnerships with EU companies
 - Facilitates harmonization of products

B. Eurocodes, enlarged market neighbouring countries

4. Facilitate technical development/research

- Taking part in research and development projects (universities, institutes & similar)
- EC funding increasingly used for harmonization efforts
- Technical/management development through partnerships w EU companies
- Transferability of development/research
 - o EU to national market
 - o National market to EU

More info on the Europa site

http://ec.europa.eu/enterprise/construction/internal/essreq/eurocodes/eurointro_en.htm

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**Thank you for
your attention!**