The present and the future of the Eurocodes

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Chairman, CEN/TC 250
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• Background
• Implementation
• Future developments
• Final remarks
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Eurocodes: 10 Standards in 58 Parts for Structural and Geotechnical Design
Understanding Eurocode implementation

- European Product Standards
- European Execution Standards

Non-contradictory complementary information

Client implementation and requirements

Support to the profession

European standards for construction
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Are/will be the Eurocodes obligatory?

Source: European Commission
Content

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• Final remarks
Timeline


- Eurocodes started
- ENVs started
- Publication of ENVs
- Conversion of ENV to EN
- Publication 1st generation of the Eurocodes
- Programming Mandate
- Response to Programming Mandate
- Specific Mandate
- Response to Specific Mandate
- Publication 2nd generation of the Eurocodes
There will be a period of stability for the published Eurocodes until 2020
Timeline

- Eurocodes started: 1975
- ENVs started: 1990
- Conversion of ENV to EN: 1998
- Publication 1st generation of the Eurocodes: 2007
- Programming Mandate: 2010
- Specific Mandate: 2011
- Response to Specific Mandate: 2012
- 2nd generation of the Eurocodes Published: 2020
Specific mandate

Eurocodes development should:

- Encourage innovation
- Take into account new societal demands and needs
- Facilitate the harmonisation of national technical initiatives on new topics of interest for the construction sector
- Enhance user-friendliness
Timeline

- 1975: Eurocodes started
- 1990: ENVs started
- 1992: Publication of ENVs
- 1998: Conversion of ENV to EN
- 2007: Publication 1st generation of the Eurocodes
- 2010: Programming Mandate
- 2011: Response to Programming Mandate
- 2012: Specific Mandate
- 2013: Response to Specific Mandate
- 2020: Publication 2nd generation of the Eurocodes
Response to mandate

- 138 pages
- Over 1000 experts from across Europe involved
- Structure of tasks and sub-tasks
- Phased programme
Structure of tasks and sub-tasks

SC / WG etc

Task 1

Task 2

Task n

Sub-task

Sub-task

Sub-task
Overall structure of work programme (Annex 2)
## Complete work programme (Annex 1)

<table>
<thead>
<tr>
<th>Task Ref.</th>
<th>Task Name</th>
<th>Deliverables</th>
<th>Start of Work Programme</th>
<th>Details</th>
</tr>
</thead>
</table>

### Interdependencies

<table>
<thead>
<tr>
<th>Sub-task</th>
<th>Task Interdependencies</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Interdependencies within Task (sub-)activities</td>
</tr>
<tr>
<td>2</td>
<td>Interdependencies within individual Task activities</td>
</tr>
</tbody>
</table>

### Key benefits

- Improved design and construction practices
- Increased efficiency and cost savings
- Enhanced safety and durability

### Output

- Work programmes for each work package
- Relevant EN/ISO standards
- Updated EN/ISO standards

### Priority item for EC contact

- New Annexes to EN 1990
- New EN/ISO standards

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Outline Schedule (Annex 3)
Eurocodes - Design of steel buildings with worked examples

Brussels, 16 - 17 October 2014

EN 1990
EN 1991
EN 1992
EN 1993
EN 1994
EN 1995
EN 1996
EN 1997
EN 1998
EN 1999

Glass
FRP
Membrane

Robustness
Assessment
Climate change
Ease of use
Chairman’s Advisory Panel on ‘Ease of use and reduction of NDP’

5 Pillars

1. Users’ needs
2. Principles and priorities
3. Guidance / Examples
4. Management and support
5. Measurements
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