European Standards: Structural Eurocodes

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The way forward for the Eurocodes implementation in the Balkans 2018-10-10/11
Our fundamentals

- National Delegation Principle
- Market Driven
  Built on consensus
- Industry, SMEs, Consumers...
- Voluntary
  Single Standard Model
- Independent
  Support NLF
- Coherent
  - National
  - Regional
  - International
A unique system

- CEN, CENELEC and ETSI Officially recognised as European
- Standardization Organizations (Regulation EU 1025/2012)

- 1 European Standard
  - 34 identical national standards
  - All conflicting standards removed

- Access to a market of 600 Million consumers!
CEN & CENELEC Standardization
Sectors & Topics

CEN
Bio-based products
Chemicals
Construction
Food
Heating, Ventilation and Air Conditioning (HVAC)
Materials
Nanotechnologies
Pressure equipment
Services

CEN & CENELEC
Air and Space
Consumer products
Electric Vehicles
Energy and utilities
Health and safety
Healthcare
ICT
Machinery safety
Measurement
Medical equipment
Railways
Security and Defence
Smart Grids / Smart Meters
Transport and Packaging

CENELEC
Electrical engineering
Electromagnetic Compatibility (EMC)
Fibre-optic communications
Fuel Cells
Household Electrical Appliances
Solar (photovoltaic) electricity systems

Cross-sectoral issues
Accessibility | Environmental Protection | Energy-efficiency (Eco-Design)
Strong Partnership
CEN/TC 250 Structural Eurocodes
CEN/TC 250/SC 1  Eurocode 1: Actions on structures
CEN/TC 250/SC 2  Eurocode 2: Design of concrete structures
CEN/TC 250/SC 3  Eurocode 3: Design of steel structures
CEN/TC 250/SC 4  Eurocode 4: Design of composite steel and concrete structures
CEN/TC 250/SC 5  Eurocode 5: Design of timber structures
CEN/TC 250/SC 6  Eurocode 6: Design of masonry structures
CEN/TC 250/SC 7  Eurocode 7: Geotechnical design
CEN/TC 250/SC 8  Eurocode 8: Earthquake resistance design of structures
CEN/TC 250/SC 9  Eurocode 9: Design of aluminium structures
CEN/TC 250/SC 10 EN 1990 Basis of structural design
CEN/TC 250/SC 11 Structural Glass
The Eurocodes

are a complete set of design standards that cover all principal construction materials, all major fields of structural engineering and a wide range of structural types.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tr>
<td>EN 1990</td>
<td>Eurocode: Basis of structural design</td>
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<td>EN 1991</td>
<td>Eurocode 1: Actions on structures</td>
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<td>EN 1992</td>
<td>Eurocode 2: Design of concrete structures</td>
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<td>EN 1993</td>
<td>Eurocode 3: Design of steel structures</td>
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<td>Eurocode 4: Design of composite steel and concrete structures</td>
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<td>Eurocode 6: Design of masonry structures</td>
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<td>EN 1997</td>
<td>Eurocode 7: Geotechnical design</td>
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<tr>
<td>EN 1998</td>
<td>Eurocode 8: Design of structures for earthquake resistance</td>
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<tr>
<td>EN 1999</td>
<td>Eurocode 9: Design of aluminium structures</td>
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</tbody>
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Interested National Standards Bodies should address CEN:
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thank you!

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