European Standards: Structural Eurocodes

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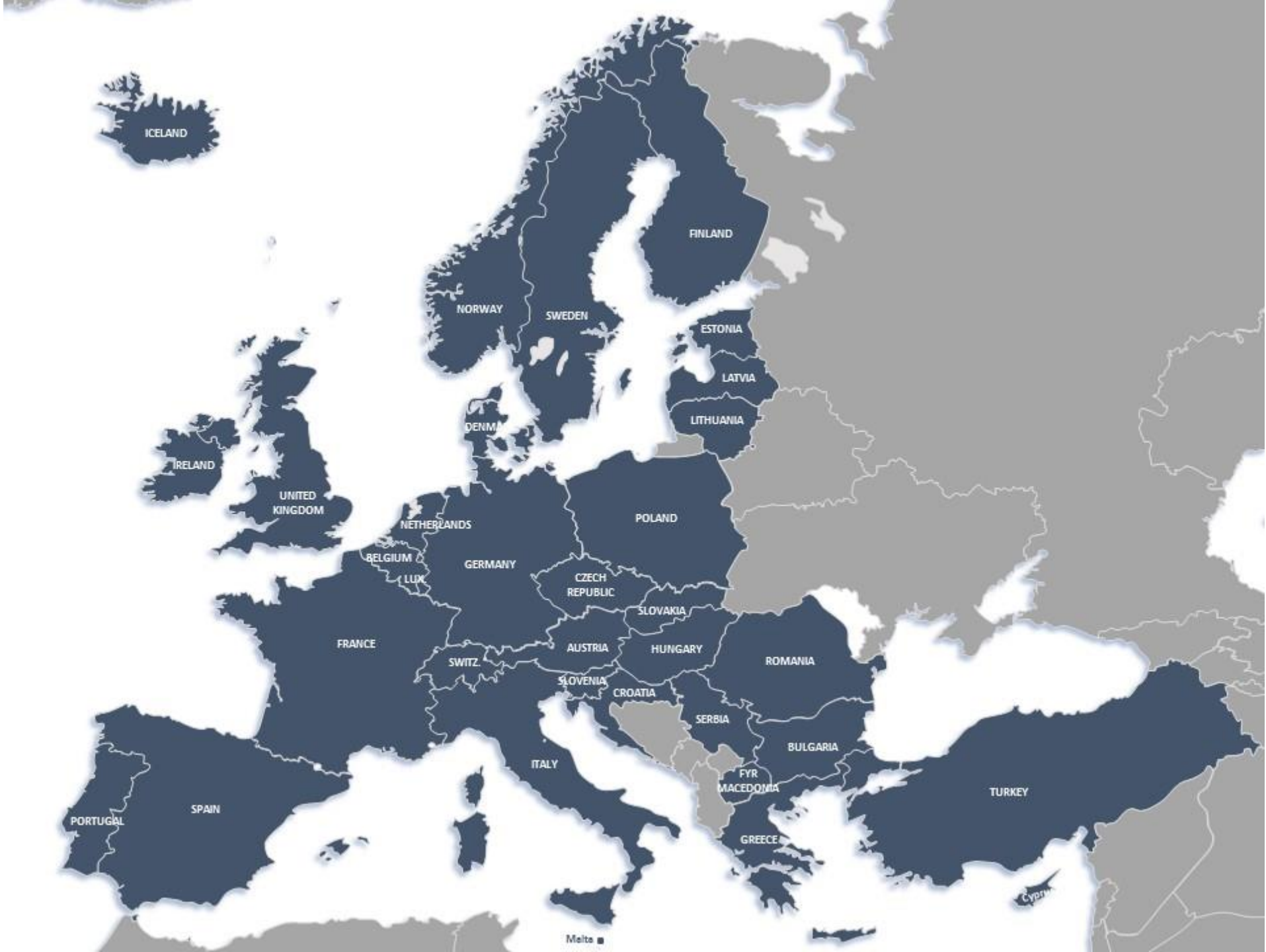
The way forward for the Eurocodes implementation in the Balkans 2018-10-10/11


ICELAND
FINLAND
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CEN CENELEC

1 network

Austria

Belgium

Bulgaria

Croatia

Cyprus

Czech Republic

Denmark

Estonia

Finland

France

FYROM

Germany

Greece

Hungary

Iceland

Ireland

Italy

Latvia

Lithuania

Luxembourgg

Malta

Netherlands

Norway

Poland

Portugal

Romania

Serbia

Slovakia

Slovenia

Spain

Sweden

Switzerland

Turkey

United Kingdom

Our fundamentals

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.

Gare de Liège (BE)

Milleau Viaduct (FR)

EN 1990	Eurocode: Basis of structural design
EN 1991	Eurocode 1: Actions on structures
EN 1992	Eurocode 2: Design of concrete structures
EN 1993	Eurocode 3: Design of steel structures
EN 1994	Eurocode 4: Design of composite steel and concrete structures
EN 1995	Eurocode 5: Design of timber structures
EN 1996	Eurocode 6: Design of masonry structures
EN 1997	Eurocode 7: Geotechnical design
EN 1998	Eurocode 8: Design of structures for earthquake resistance
EN 1999	Eurocode 9: Design of aluminium structures

http://eurocodes.jrc.ec.europa.eu/showpublication.php?id=544

https://www.cencenelec.eu/Pages/default.aspx

http://eurocodes.jrc.ec.europa.eu/home.php

https://ec.europa.eu/growth/sectors/construction_en

Interested National Standards Bodies should address CEN:

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