Perspectives and benefits of international cooperation in standardization

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17th April 2013

Worked Examples on Bridge Design with EUROCODES, St Petersburg
CEN & CENELEC systems

Links to legislation

Information sources
The European Standardisation Organizations (ESOs)

CEN  
(European Committee for Standardisation)

CENELEC  
(European Committee for Electrotechnical Standardisation)

ETSI  
(European Telecommunications Standards Institute)
Sectors

- Electricity – Electrotechnical
  - European Committee for Electrotechnical Standardization
- Electronic Communications
  - European Telecommunications Standards Institute

- Chemistry
- Material
- Food
- Energy
- Services
- Transport
- Metrology
- Healthcare
- Construction
- Environment
- Security and defence

- Information society
- Mechanical engineering
- HVAC
System – main committees

- General Assembly (AG)
  - Administrative Board (CA)
    - Technical Board (BT)
    - Technical Committee (TC)
      - Working Group (WG)
      - Working Group (WG)
    - Project Committee (TC)
      - Working Group (BT/WG)
  - Financial Affairs
  - External Policy
System main interactions

Affiliates

Associates

Europe

CEN - CENELEC

EC

EFTA

National

NSB

NC

NSB

NC

NSB

NC

NSB

NC

NSB

NC

Standards Users

Government Departments

Consumer Bodies

Enforcement Bodies

Educational Bodies

Certification Bodies

Trades Unions

Professional institutions

Research Organizations
All National Members are members of all TCs

- Official languages are English, French and German
- Development through discussion leading to consensus
- Final decisions reached by weighted vote
- Standards must be adopted as National Standards even if the country voted against the draft
CEN/CENELEC Product Range (Deliverables)

Standards
• European Standard – EN

Pre-Standards
• Technical Specification - TS

Informative
• Technical Report - TR
• CEN/CENELEC Guide

Workshop Agreement
• CEN/CENELEC Workshop Agreement (CWA)
Main principles of European standardisation

Voluntary
- standards are voluntary in application

Openness and transparency
- open to participation of all interested parties and broad consultation

Consensus
- we build European consensus among all stakeholders

National commitment
- to implement European standards as identical national standards and withdraw conflicting national standards

Market relevance
- reflect market needs

Correct integration with international work
- cooperation with ISO (Vienna agreement)
- Cooperation with CENELEC (Dresden Agreement)
Finding and measuring consensus

draft

enquiry at national level

improved draft

formal vote of national members

standard
Why is a European Standard so valuable?

→ Strength and recognition because

- Shaped by those who contribute
- Open and transparent process
- Market driven
- Representation of all interested parties
- Reached through agreement

- One European Standard = 33 national standards = access to a market of over 560 million people
CEN & CENELEC systems

Links to legislation

Information sources
European Standards and laws

- LAW
- FORMAL STANDARDS
- PRESTANDARDS
- PAS/CWA
- COMPANY STANDARDS
CEN & CENELEC systems
Links to legislation
Information sources
Sources of information I

- CEN website, [CENELEC website](https://www.cenelec.eu) and [CEN-CENELEC website](https://www.cen.eu)
- Websites of the National Members of CEN and of CENELEC
- [CEN/BOSS](https://www.cen.eu/)
  - Internal Regulations
Sources of information II

- Latest publications in CEN and in CENELEC
- Search Standards in CEN and in CENELEC
- CEN-CENELEC Newsletter “Connect”
- Technical Committees of CEN and of CENELEC
- CEN-CENELEC Guides
Thank you very much for your attention