The role of standards in Quality Infrastructure

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European Standards Organizations
43 CEN and CENELEC Members

Austria

Belgium

Bulgaria

Croatia

Cyprus

Czech Republic

Denmark

Estonia

Finland

France

FYROM

Germany

Greece

Hungary

Iceland

Ireland

Italy

Latvia

Lithuania

Luxembourg

Malta

Netherlands

Norway

Poland

Portugal

Romania

Slovakia

Slovenia

Spain

Sweden

Switzerland

United Kingdom

United Kingdom
NETWORK of CEN & CENELEC

More than **200 000 experts are connected**

- **800** participants from European industry federations and societal stakeholders
- **30 000** delegates / experts in CEN and CENELEC
- **55 000** delegates / experts in ISO and IEC
- **160 000** participants through the national members of CEN and CENELEC
Business **SECTORS** covered by CEN and CENELEC

- Chemicals
- Construction
- Consumer
- Defence and security
- Digital Society
- Electrotechnology
- Energy and utilities
- Food and agriculture
- Healthcare and health & safety
- Household appliances and HVAC
- Mechanical and machinery
- Mining and metals
- Services
- Transport and vehicles
Some **TOPICS** covered by CEN and/or CENELEC

**ACCESSIBILITY**
- Design for all
- eAccessibility

**ENVIRONMENT**
- Adaption to climate change
- Air quality
- Characterisation of waste, soils and test methods
- Electronic waste
- Water quality, drinking water and water utilities

**SMART TECHNOLOGIES**
- Smart Grids, Smart Metering, Cybersecurity
- Advanced Manufacturing, Distributed Ledger Technologies
- Intelligent transport systems
Fundamentals:
CEN and CENELEC standards are ...

• Based on the **national delegation principle**

• Representing a **consensus** among all interested parties, including **industry & SMEs** and **societal stakeholders**

• Voluntary

• Developed by **independent organizations** clearly distinct from authorities

• Compliance with agreement on Technical Barriers to Trade of the WTO (World Trade Organization)
Fundamentals: CEN and CENELEC standards are ...

- A tool for competitiveness of European business
- Voluntary, business lead and market driven
- Consensus based
- Recognized by Public Authorities and regulations
- Strong international dimension through ISO and IEC
- Access to a huge expert network
- A must for SMEs
- Creating markets for innovative products and services
Standardization: part of the quality infrastructure

• Standards defining:
  o Terminology
  o Assessment methods (testing and calculation)
  o Product and system requirements
  o Design
  o Services

• Supporting:
  o Metrology
  o Certification
The European standardization model

- ENs adopted identically by all members
- Obligation to withdraw standards conflicting with ENs

European Standard (EN) = 34 National standards (XX EN)

Standards supporting **free circulation of goods** in the EU and beyond (600 million consumers)
CEN and CENELEC deliverables

I  European Standard
II  Technical Specification
III  Technical Report
IV  CEN/CENELEC Workshop Agreement
Technical Structure – main bodies

- Technical Board (BT)
  - Technical Committee (TC)
  - Working Group (BT/WG)
  - Working Group (WG)
  - Working Group (WG)
Players: Technical Committee

- Secretariat
- Chair
- European Commission
  - EFTA
  - Observer
- Liaison officers from other TCs
  - Observer
- ISO/IEC
  - Observer
- Affiliates
  - Partner St. Bodies
  - Observer
- CEN or CLC Members
  - Max. 3 delegates
- European Partners (including Annex III)
  - By virtue of CEN-CLC Guide 25
  - Observer
National Delegation Principle
Standard’s development process
Detailed Timeframe

- Registration of NWI
- Circulation of 1st WD
- Drafting 34 weeks
- Start Public Enquiry
- Editing & Translation (5-8) weeks
- ENQ 12w
- Consideration of comments max. 34w
- End Enquiry
- Editing 2w
- FV 8 weeks
- Finalisation

Skip Formal Vote?

Y
N

Finalisation
Publication
Harmonized Standards

Essential Requirements
Safety requirements

Standardization request

European Standard (EN)
Technical requirements

Presumption of conformity

Around 4000 harmonized standards listed in the OJEU
European Standard gives access to world markets

Vienna (ISO-CEN) and Frankfurt (CENELEC-IEC) Agreements

1 goal:
Identical European and International standards

CEN: 33% of portfolio identical to ISO

CENELEC: 73% of portfolio identical to (+ another 6% based on) IEC standards
CEN & CENELEC international cooperation work
Fostering coherence at all levels

- European engagement in ISO & IEC
- CEN and CENELEC alignment with ISO & IEC
- Partnerships & projects supporting strategic cooperation and technical alignment (through ISO & IEC first)
- Dissemination of ‘home-grown’ ENs (complementary tool for technical alignment)
- Support to EU regulatory dialogues & trade negotiations (promoting the European model)
Key Learning Points

• Voluntary, business lead and market driven
• Based on National Delegation Principle
• Open and transparent process
• Recognized by Public Authorities and regulations
• Dealing with different subjects and objectives
• Strong international dimension through ISO and IEC
Thank you

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