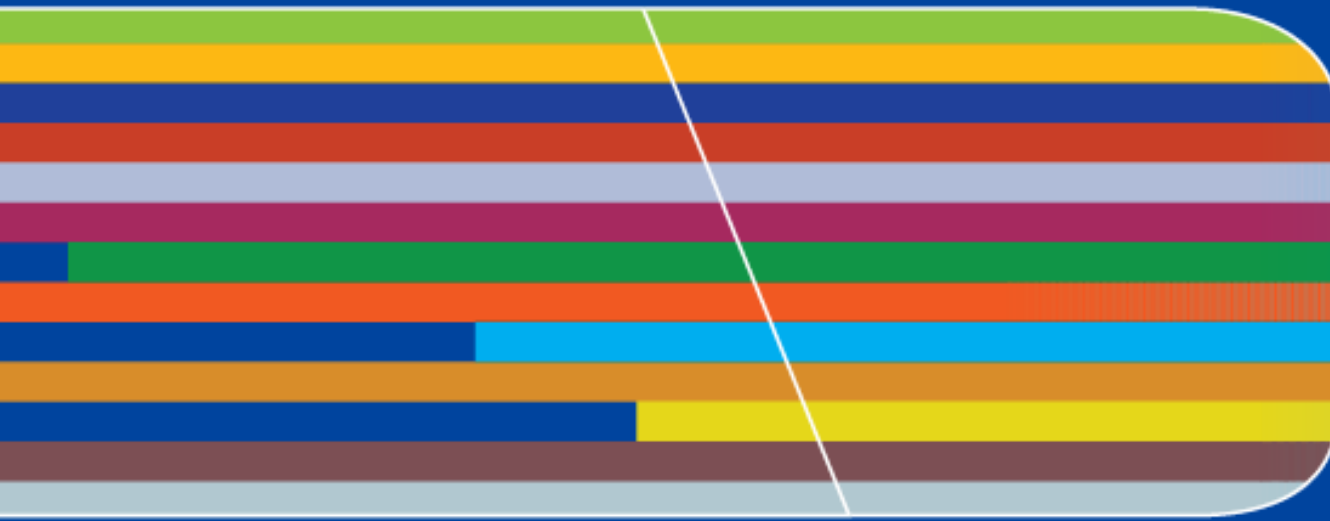


# **CEN strategies and plans for a global acceptance of the Eurocodes**

*Gonçalo Ascensão*

*5th December 2013*

*Adoption of the Eurocodes in the Balkan Region*



- **European Standardization System**
- Links to legislation
- International cooperation
- Information sources

# European Standardization Organizations (ESOs)



CEN.....



(European Committee for Standardization)

CENELEC .....



(European Committee for Electrotechnical Standardization)

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



European Committee  
for Standardization





# CEN & CENELEC World

## CEN & CENELEC

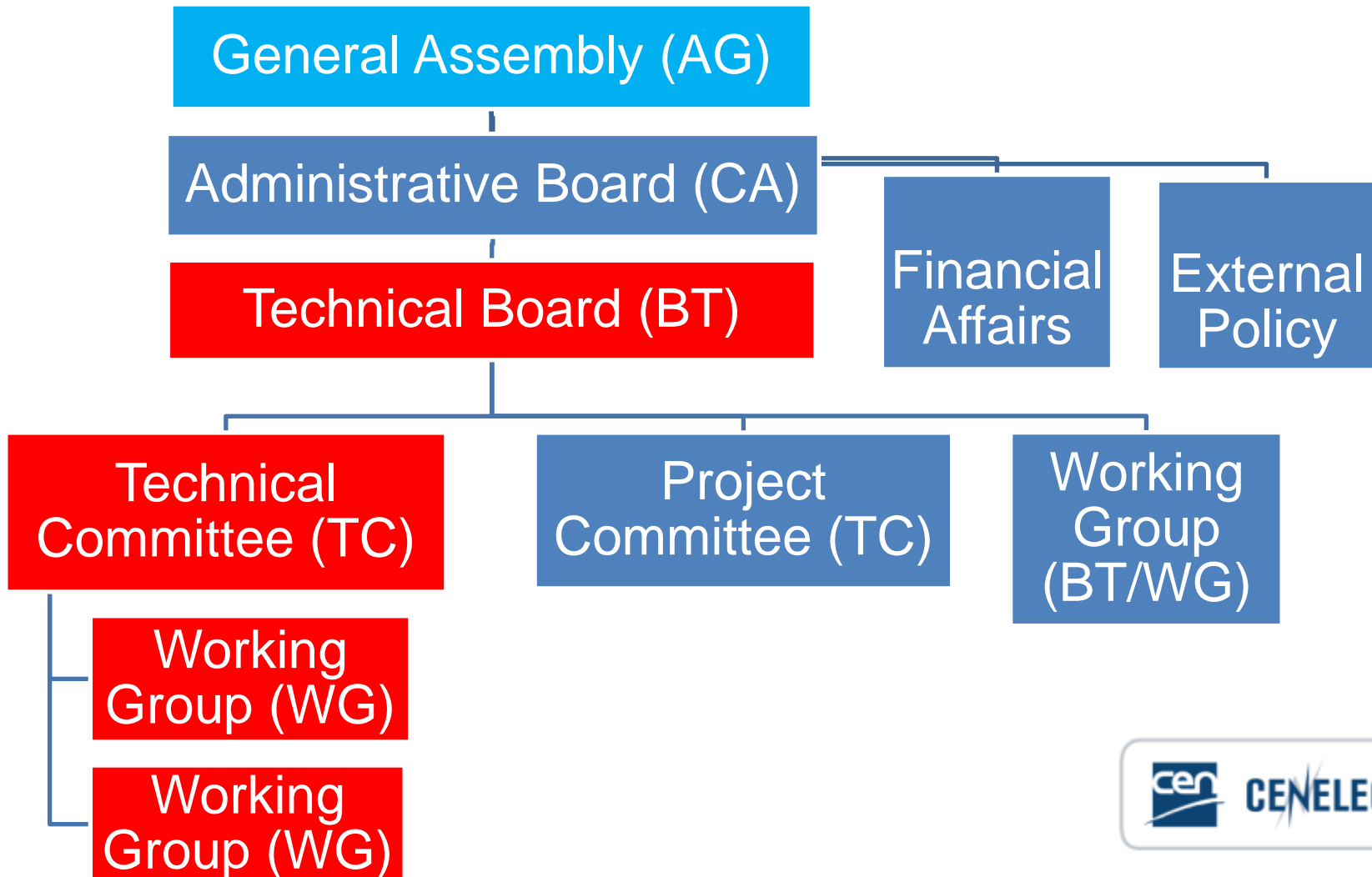
- 33 Members  
(NSB-NC of 28 EU Members +  
3 EFTA countries +  
Turkey and Macedonia)
- Affiliates (17 CEN, 12 CLC)
- Associate Members (8 CEN)
- Partner Standardization Bodies  
(3 CEN)
- Co-operating Partners (48 CLC)
- > 400 Technical Committees
- ~ 20.000 of published document



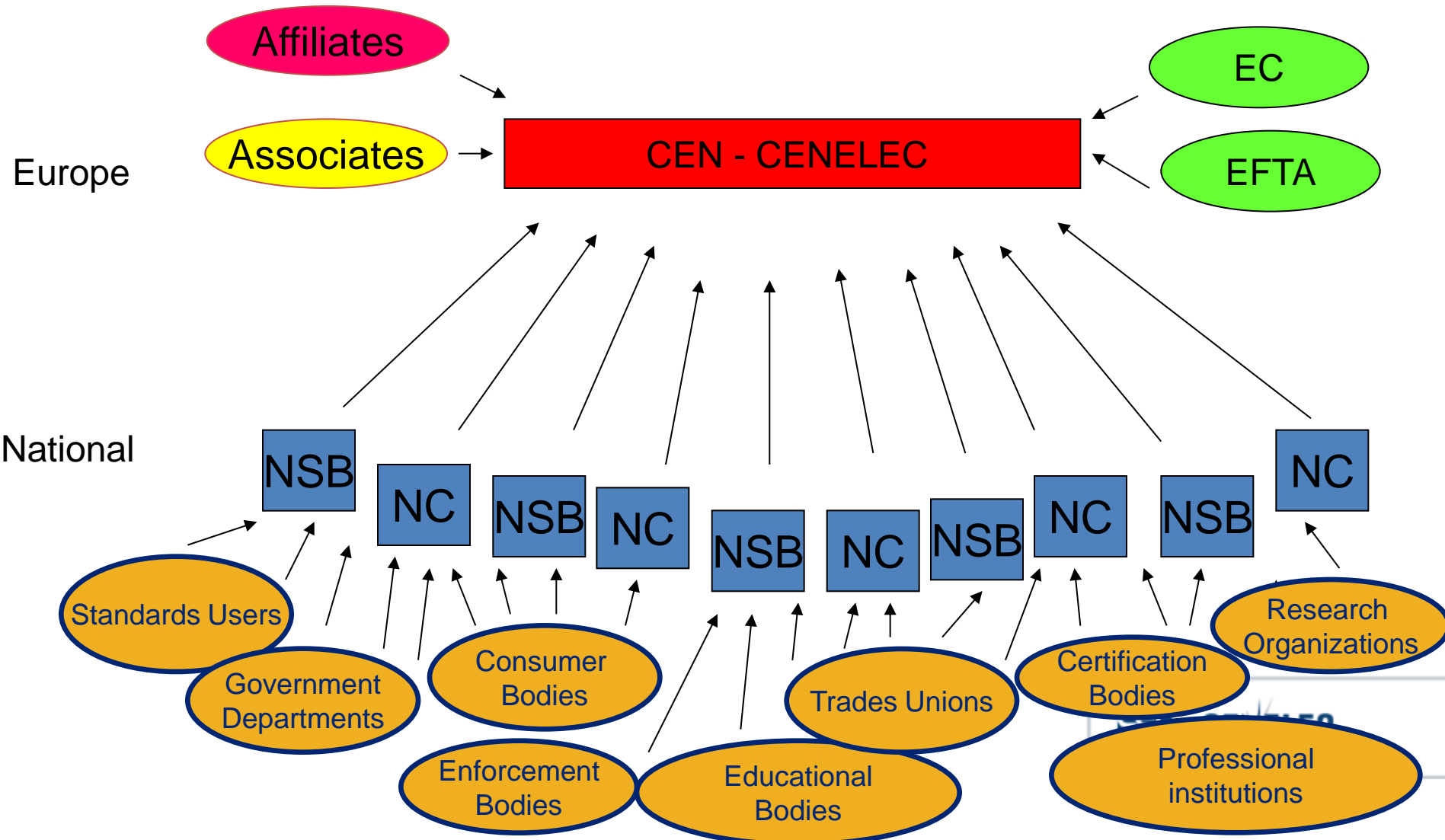
 Members  
 Affiliates

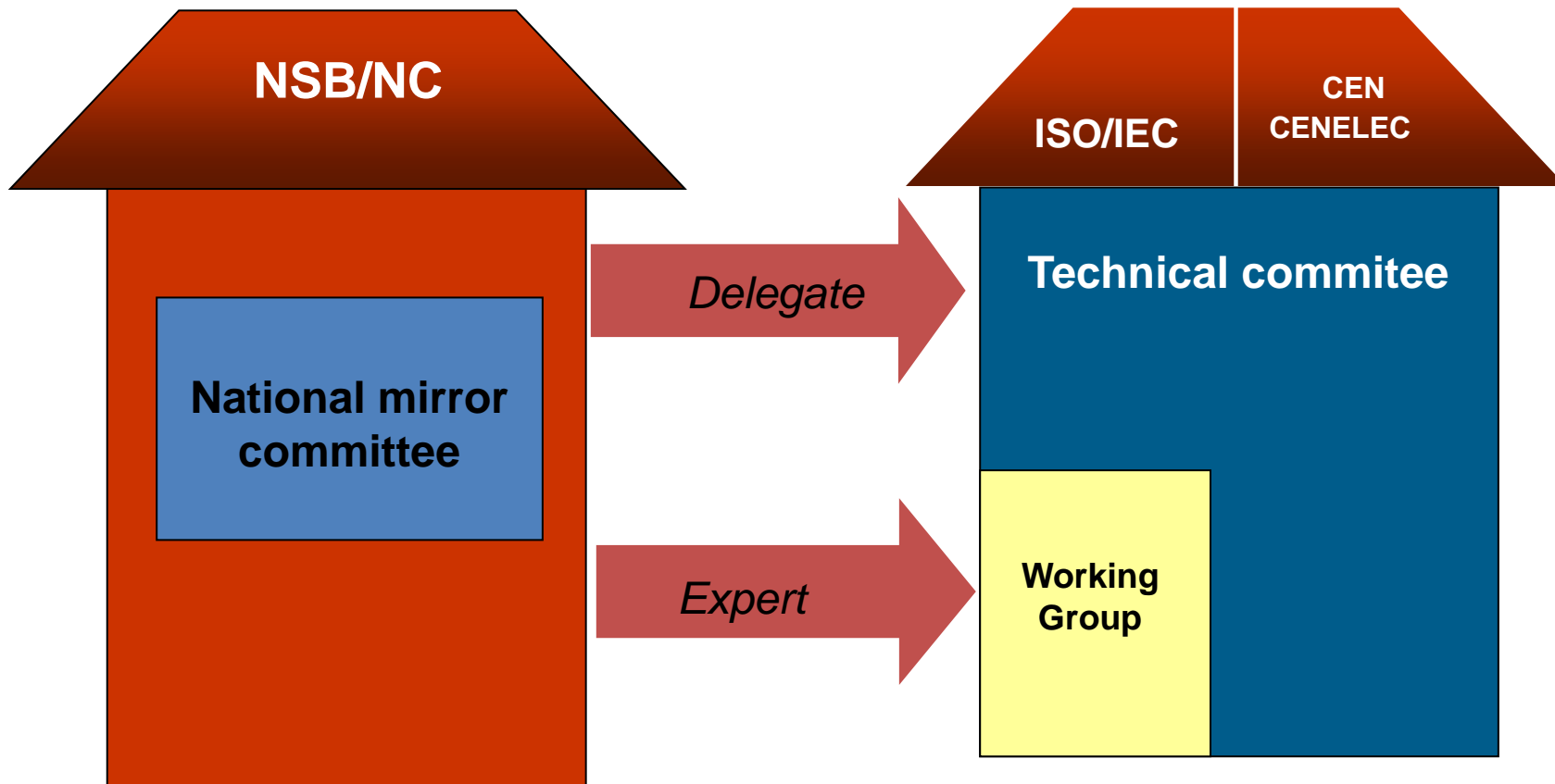


# System – main structure



# System – main interactions







# CEN & CENELEC



## 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 shall be adopted as National Standards even if the country voted against the draft

# CEN/CENELEC 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 standardization



**Voluntary:** standards are voluntary in application

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

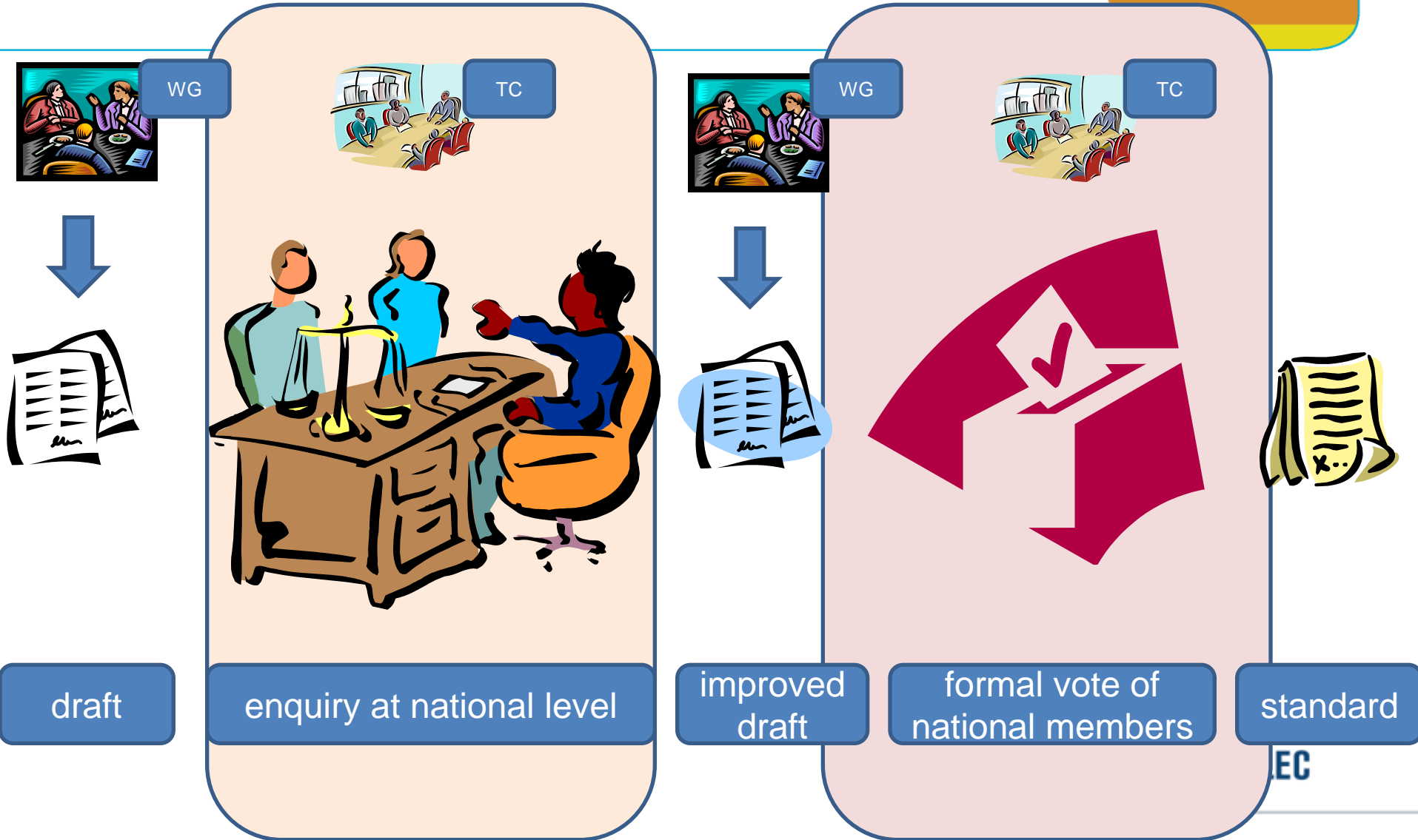
**Consensus:** we build European consensus among all stakeholders

**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



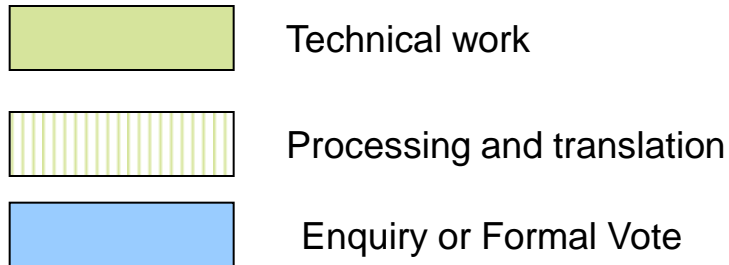
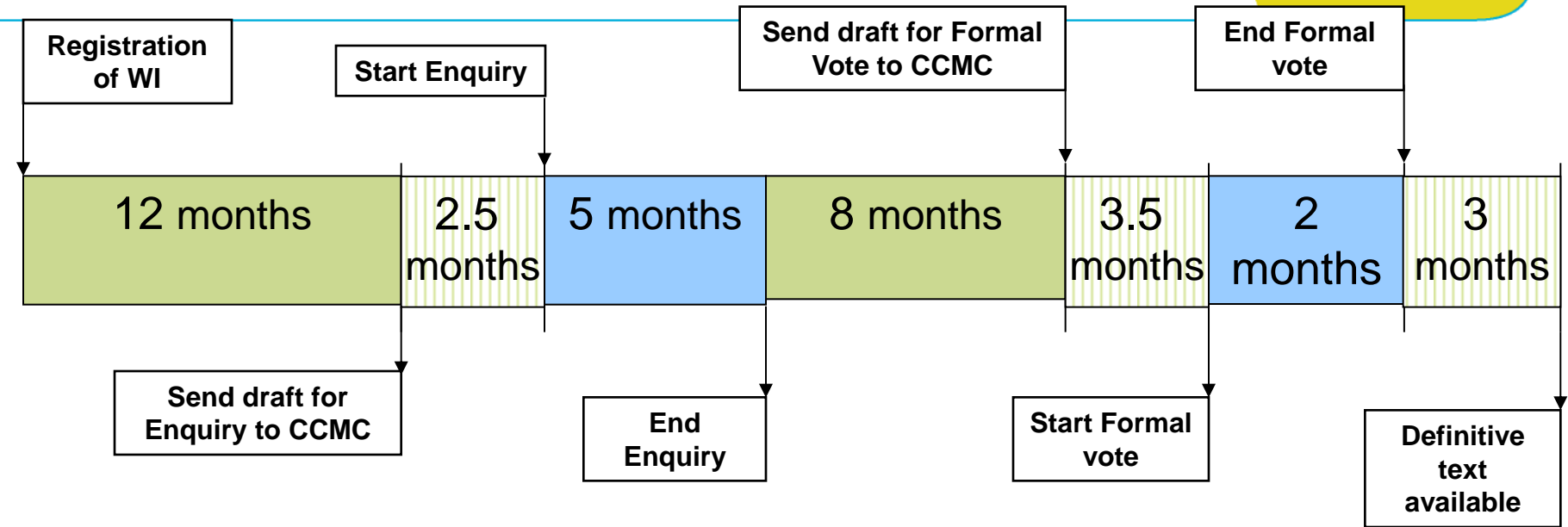
# Why is a European Standard so valuable?



## → 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

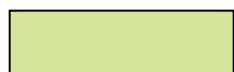
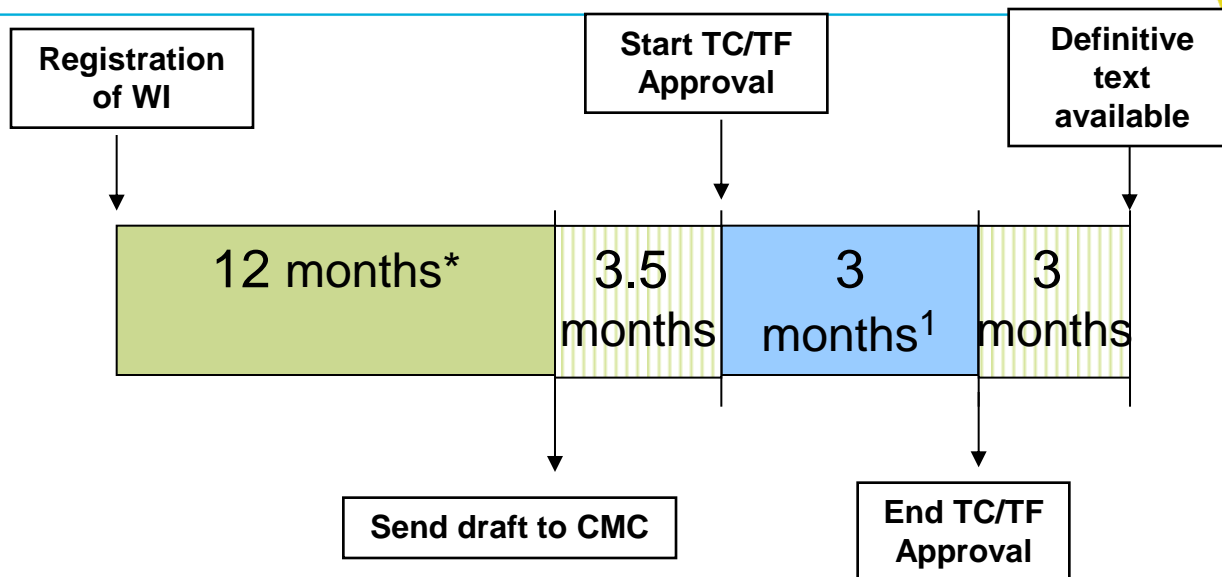
# Detailed Timeframe European Standard (EN)



Total  
36 months

\* An extension of 9 months may be requested

# Detailed Timeframe Technical Specifications/reports (TS/TR)



Technical work



Processing and/or translation

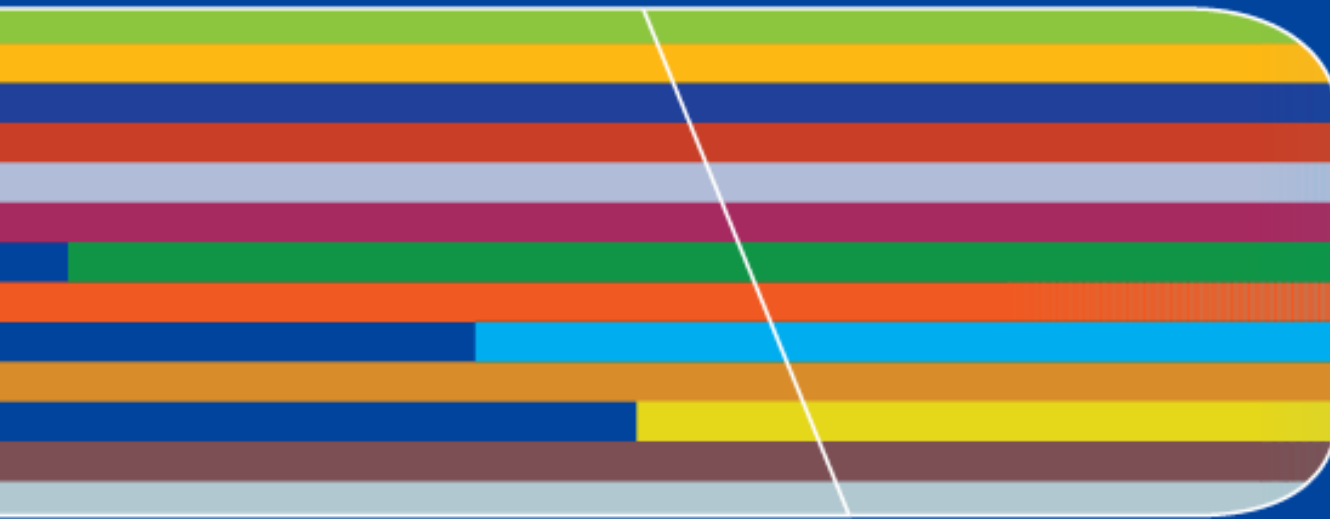


Technical Committee vote

Total  
21,5 months

\*An extension of 9 months may be requested

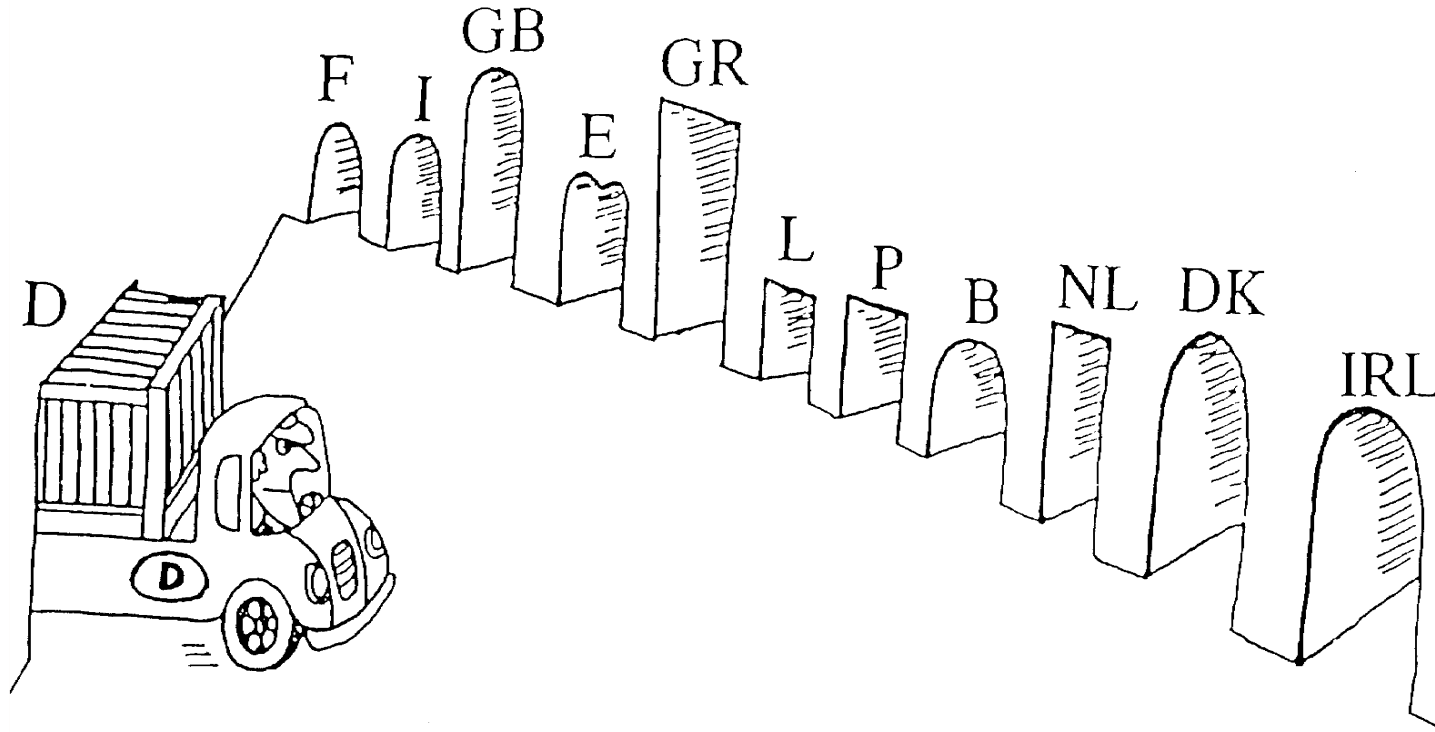
<sup>1</sup>Technical specifications (TS) by weighted vote and Technical reports (TR) by simple majority vote



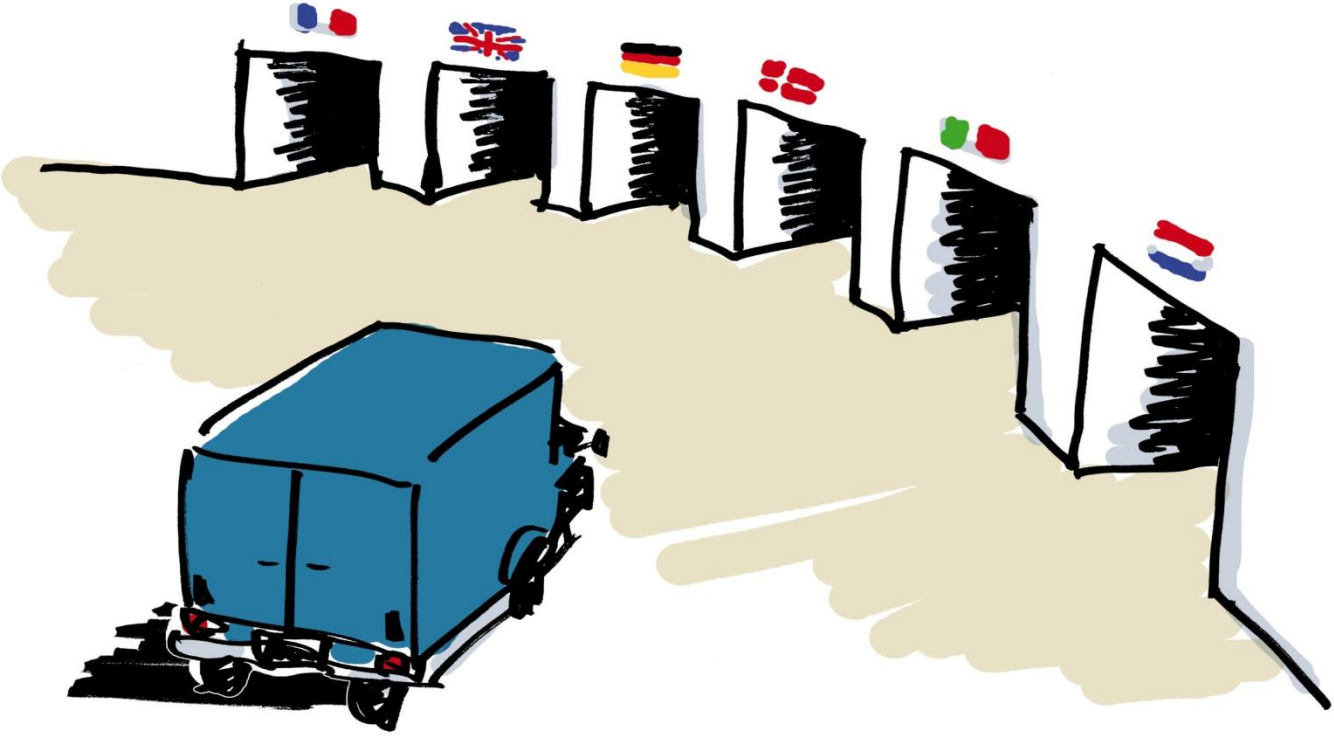
- European Standardization System
- **Links to legislation**
- International cooperation
- Information sources



# Before trade barriers hindered the European economy



# Removing trade barriers ...



# To support legislation

**Mandatory**

**Directive  
Essential requirements**

**EC Mandate (request) to ESOs**

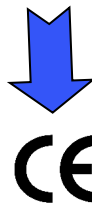
**Voluntary**

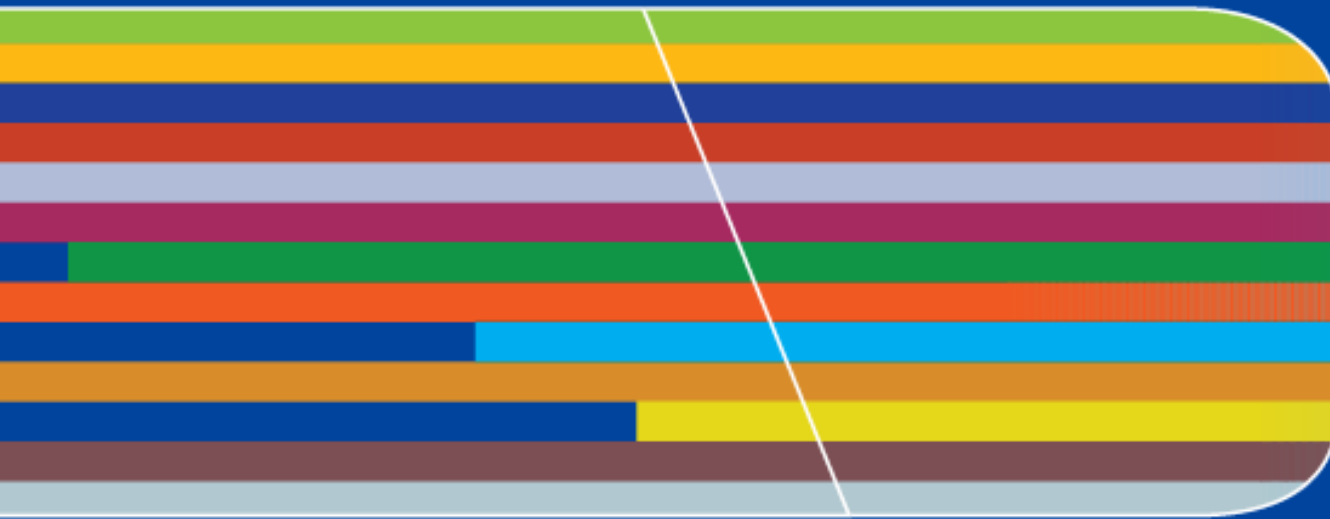
**European Standard**

**No presumption of  
conformity  
for construction products**

**OJ citation  
Harmonized**

**EN = presumption (proof)  
of conformity to mandatory  
essential requirements**





- European Standardization System
- Links to legislation
- **International cooperation**
- Information sources

# Do it once, do it internationally



Vienna Agreement



~ 30 % of CEN standards are developed under the Vienna Agreement (**depending on sectors**)



Dresden Agreement



~ 80 % of CENELEC standards are identical to or based on IEC standards



MoU for telecommunications sector (ITU-T)  
Agreement on radio-communication sector (ITU-R)



# International cooperation

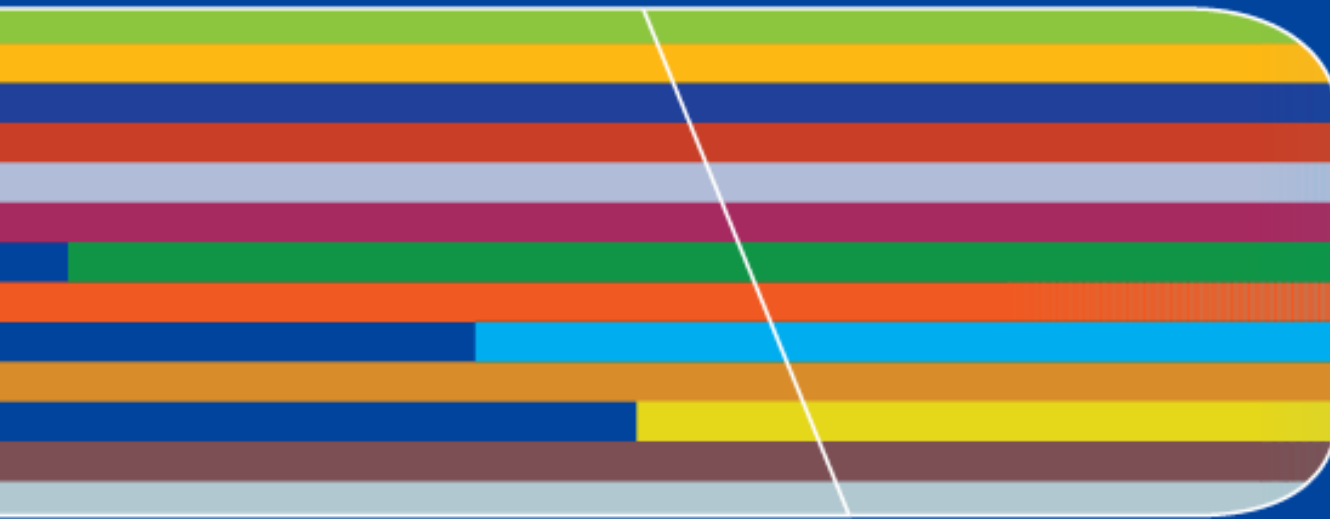


- Cooperation Agreements with third country NSBs (Rosstandart, JISC)
- Memoranda of Understanding with Regional standardization organisations (ARSO, AMN)
- Licence agreements for specific standards or series of standards
- Visibility Projects improving the awareness of the European Standardization System in specific countries (SESEI)

# Adoption of Eurocodes in CEN Affiliates and other third countries



- Several Affiliates have adopted Eurocodes (in totality, partially or specific ENs)
- Other third countries have adopted and or requested the Eurocodes (e.g. Ethiopia, Kenya, Singapore, Sri-Lanka)
- Vietnam showed interest for adoption
- Very often bilateral requests for adoption of ENs



- European Standardization System
- Links to legislation
- International cooperation
- **Information sources**



# Sources of information I



- CEN website, [CENELEC website](#) and [CEN-CENELEC website](#)
- Websites of the National Members [of CEN](#) and [of CENELEC](#)
- [CEN/BOSS](#)
- [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*

*[gascensao@cencenelec.eu](mailto:gascensao@cencenelec.eu)*