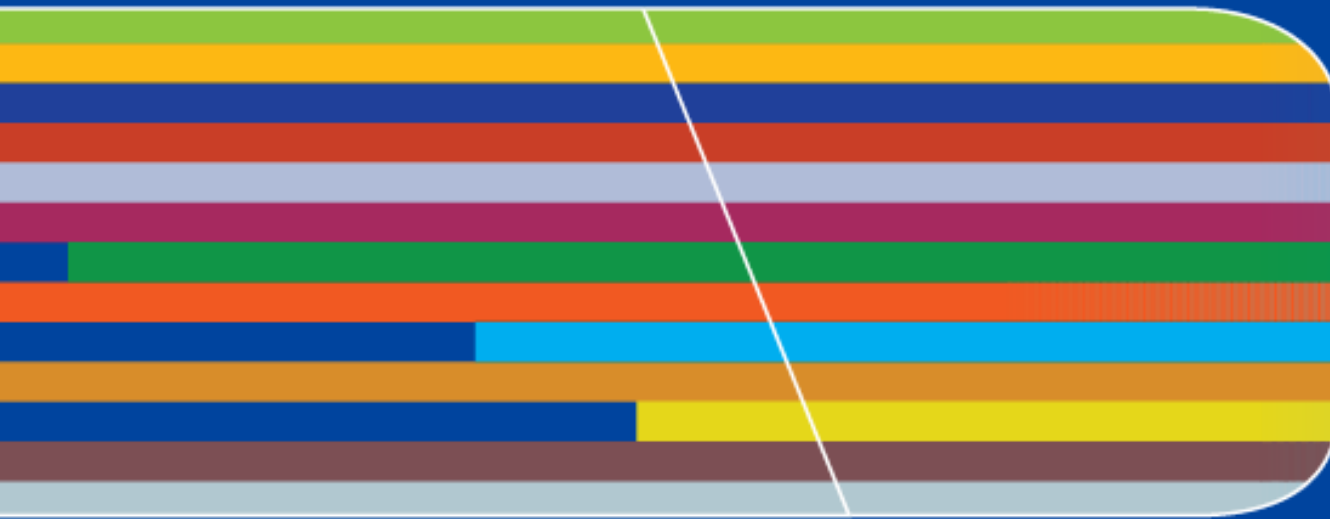


The Process of making European Standards

Frank Moore
Chairman CEN TC/248 Textiles



- **European Standards**
- CEN & CENELEC systems
- Standards development process
- Links to legislation
- International dimension

What is a standard?

It is a document

- voluntary in application
- established by all interested parties
- reflects consensus
- approved by a recognized body
- meant for common and repeated use

National Standards (i.e. BS; DIN, NF, AS)

International Standards (i.e. ISO, IEC)

European Standards (i.e. EN)

What European standards do?

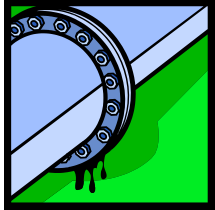
- enhance the safety of products
- allow economies of scale
- help manufacturers comply with European legislation
- promote the interoperability of products and services
- encourage greater competition
- facilitate trade by removing trade barriers
- promote ecological safety and sustainability
- help safeguard the environment
- aid the transfer of research
- promote common understanding



Some types of European standard

Test and measurement standards

- Measure content or parameter



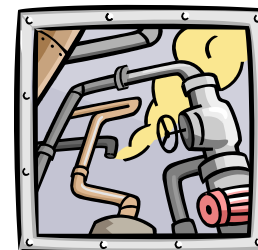
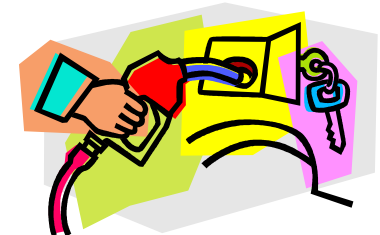
Product standard

- Specify product performance



Management standards

- Models for managing activities



Aims of a Standard

- To support legislation
- Specify safety requirements
- Retail & Institutional purchasing
- Brand support
- Fitness for purpose
- Consumer satisfaction
- Free trade across Europe

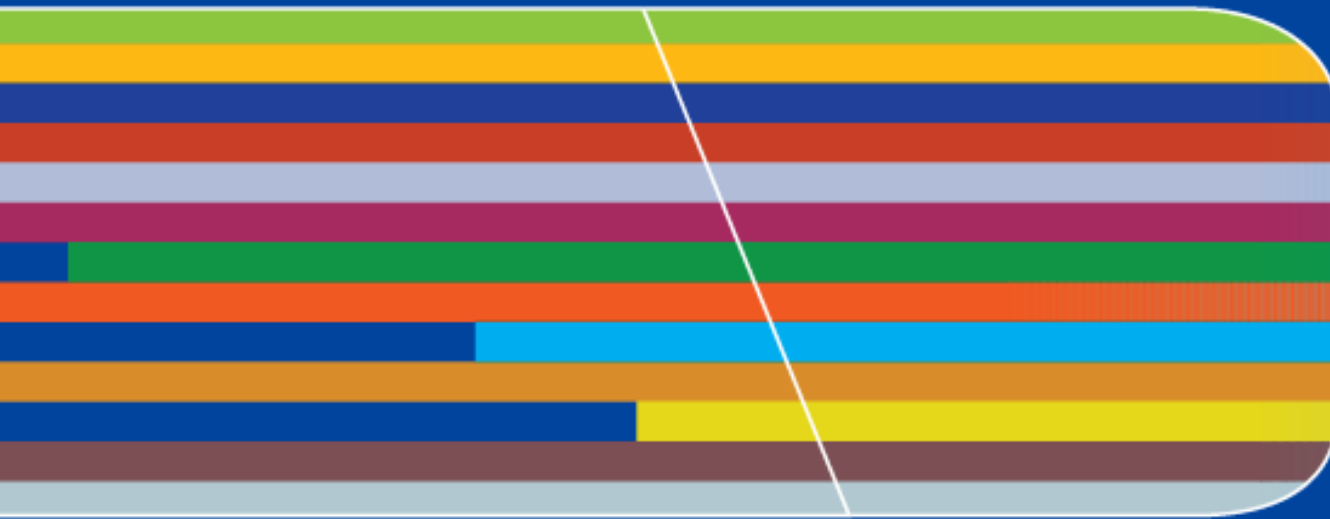
A fact to remember



1 European standard

- Replaces 33 different national standards in Europe
- Creates access to a market of 500 million





- European Standards
- **CEN & CENELEC systems**
- Standards development process
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The European Standardization Organizations (ESOs)



CEN.....



(European Committee for Standardization)

CENELEC



(European Committee for Electrotechnical Standardization)

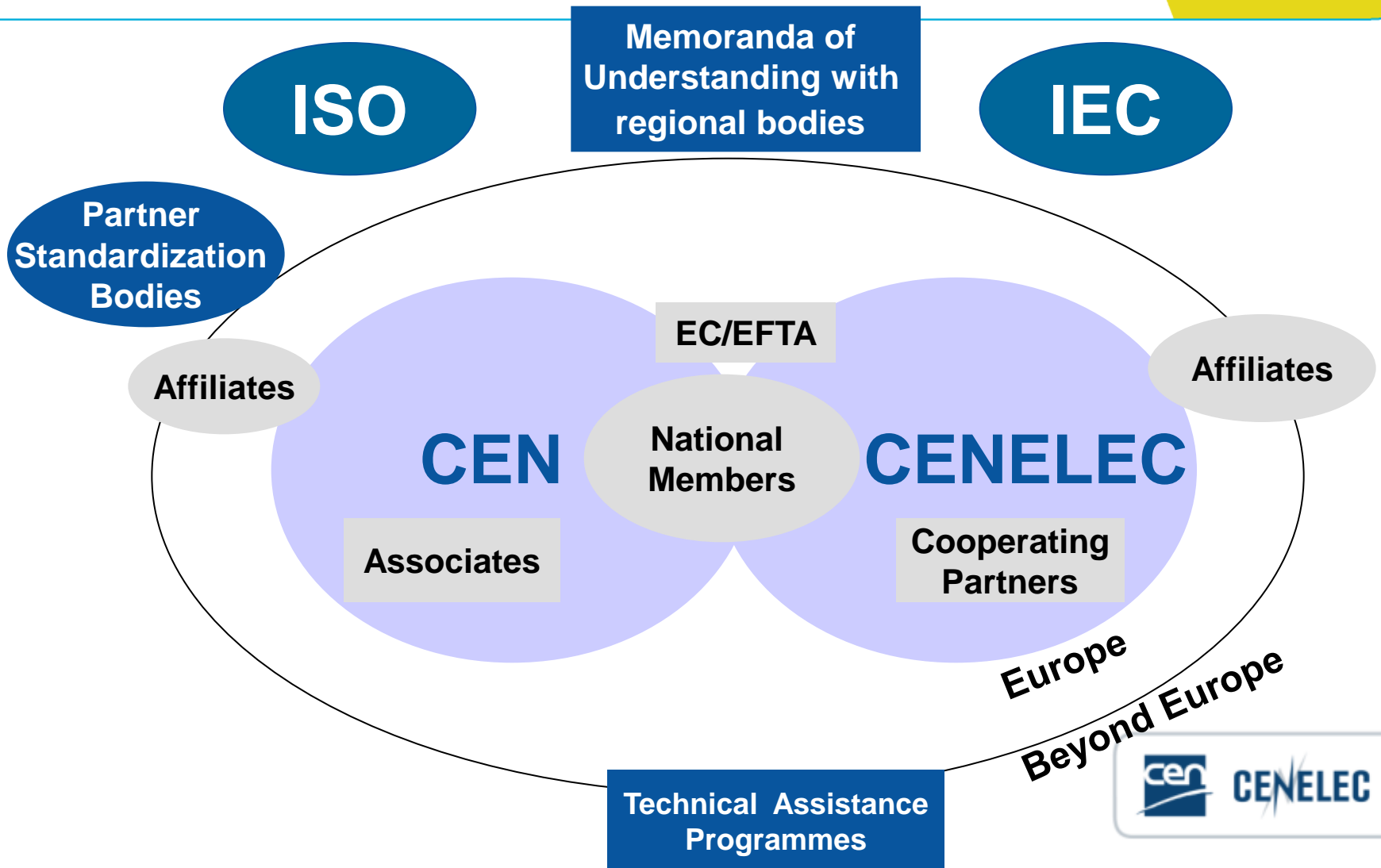
ETSI



(European Telecommunications Standards Institute)



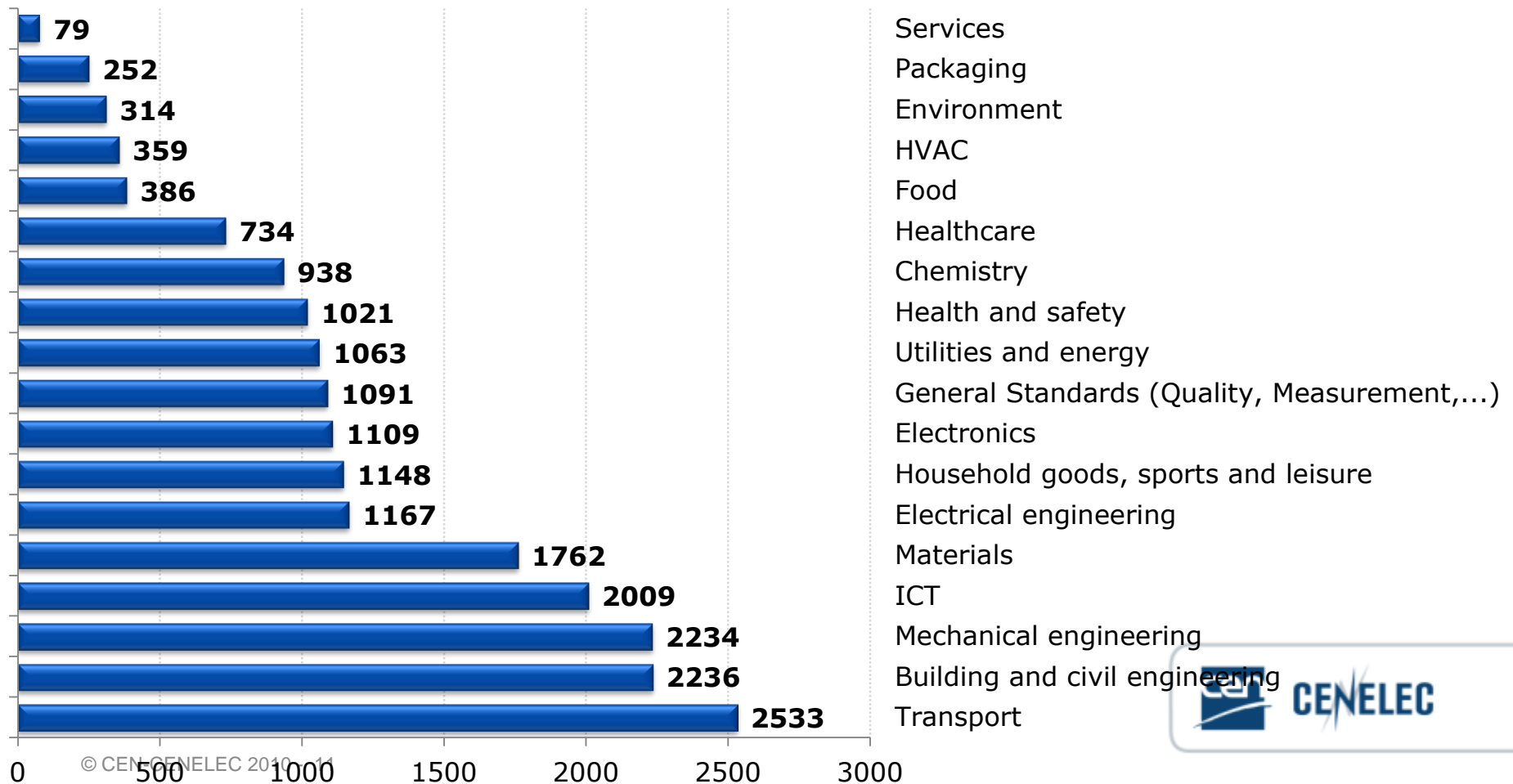
CEN and CENELEC in Europe and beyond



What do we STANDARDISE?



CEN-CENELEC Portfolio per business domain



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)



Deliverables – High consensus



European Standard (EN)

- Participation through Membership
- Public enquiry + weighted vote
- Time to market = 2,5 years
- To be implemented by all Members as the national standard + withdrawal of all conflicting national standards
- Ideal reference for use as complement to European legal framework (New Approach Directives “presumption of conformity” + reference in other Directives)
- Nearly 4000 CEN & CENELEC link to OJ



Deliverables – Limited consensus



CEN-CENELEC Workshop Agreement (CWA)

- Identified request for developing specification
- Simple agreement on developed text (may involve public enquiry using web)
- Very fast (can be virtually immediately)
- Deliverable bears CEN-CENELEC logo but no implementation requirement
- “Take it or leave it”
- A few are used in European (ICT) regulatory context



CEN Technical Specification



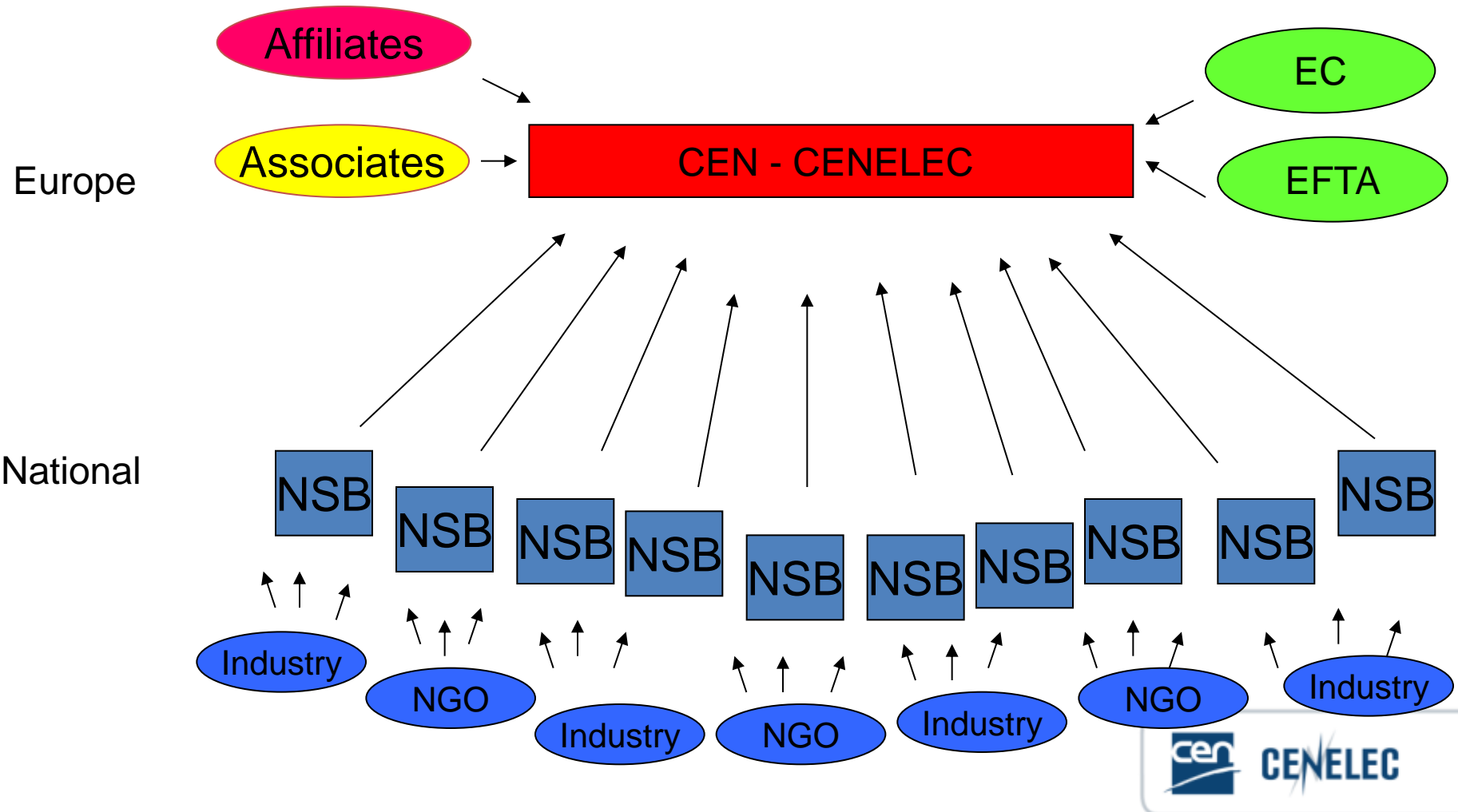
→ A document that gives rules and requirements

→ Can be beneficial

- New technologies
- No immediate need for a European Standard
- Simple development process

- A Technical Specification can be transformed into a European Standard

System – main interactions



CEN & CENELEC



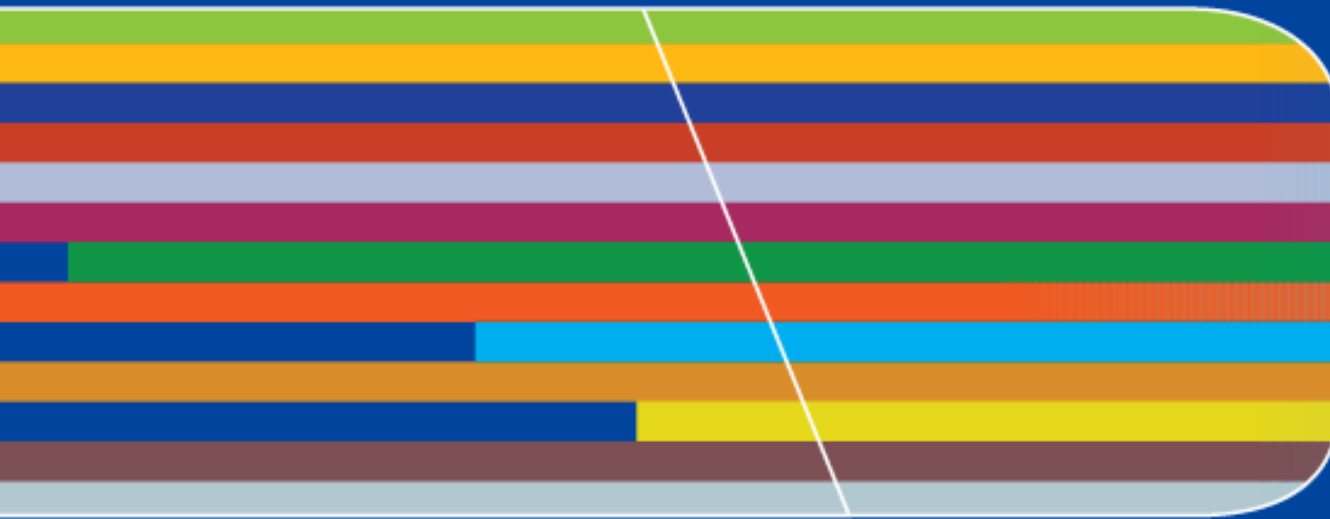
All National Members are members of all TCs

- Other members may join in an observer capacity
- 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 TC/248 TEXTILES

Currently 13 active Working Groups

- WG 10 Size designation of clothing
- WG20 SAFETY OF Children's clothing
- WG24 Test methods for assessing the flammability of textiles
- WG26 Test methods for the analysis of EC restricted substances
- WG32 Organic, green & ecotextiles



- European Standards
- CEN & CENELEC systems
- **Standards development process**
- Links to legislation
- International dimension

Q. Who can propose a new standard?

A. Everyone who has a need

- Business
 - Manufacturers
 - Users
- Consumers
- Regulators
- Non-Governmental Organizations
- Partner organizations
- SME
- Affiliates
-

Q. Who can handle a proposal?

A. CEN & CENELEC members

A. The CEN – CENELEC Management Centre

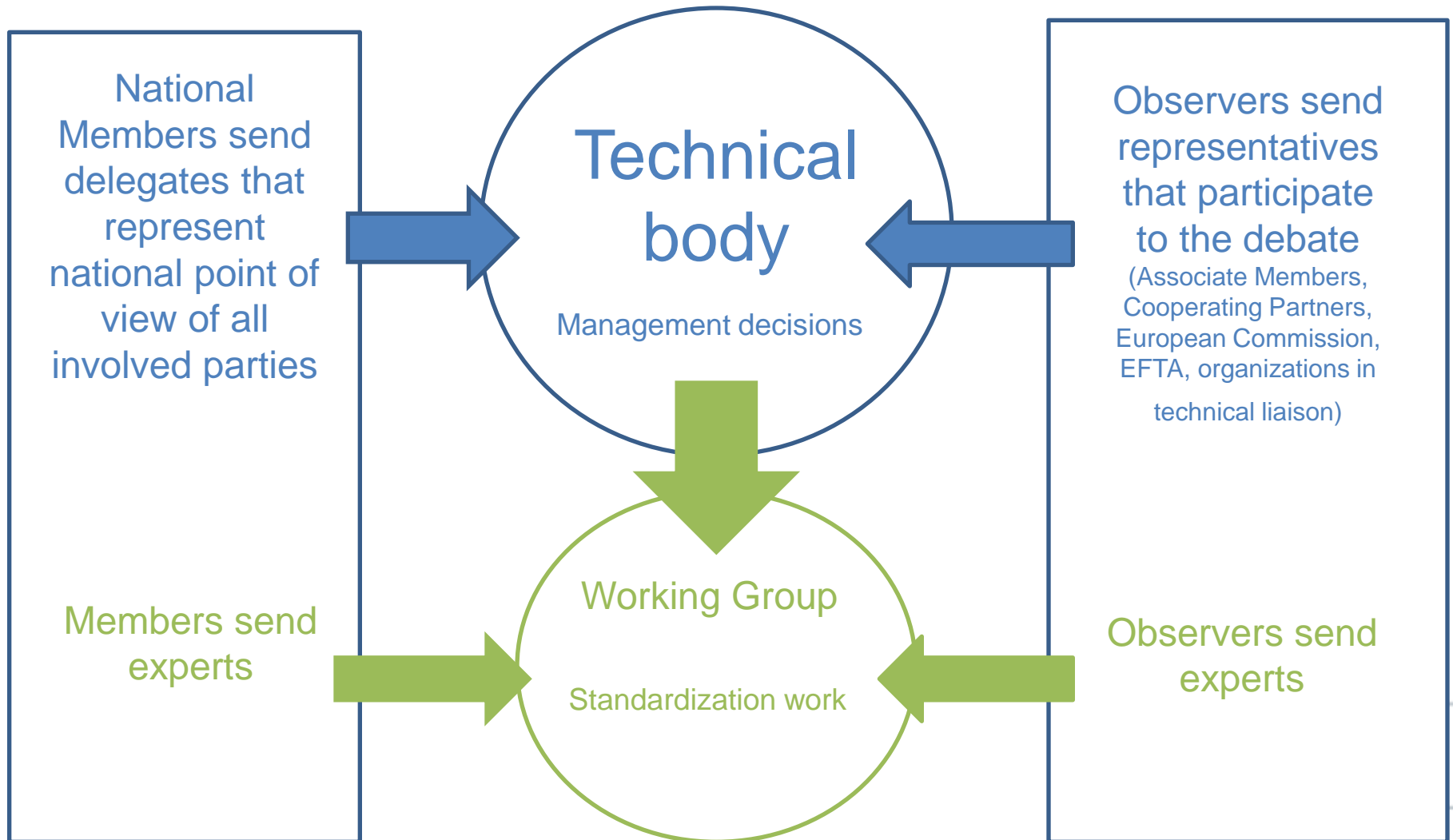
- Programme Managers
- Innovation

Q. Who writes the standard?

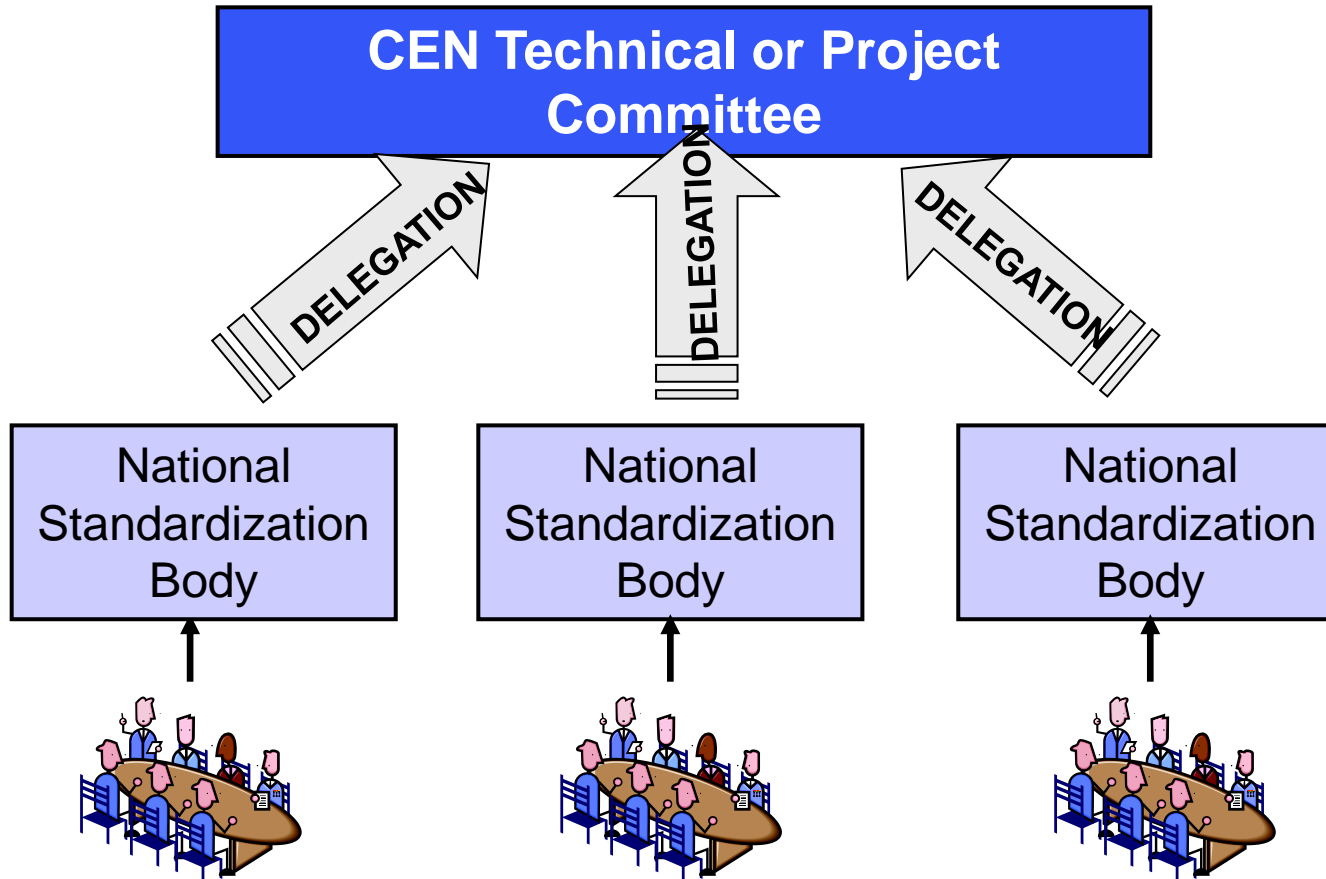
A. Volunteers

- Technical experts
- Coordinated through national members
- In technical committees
- Guided by CCMC & national members

The mechanism




Participation in the standardization process

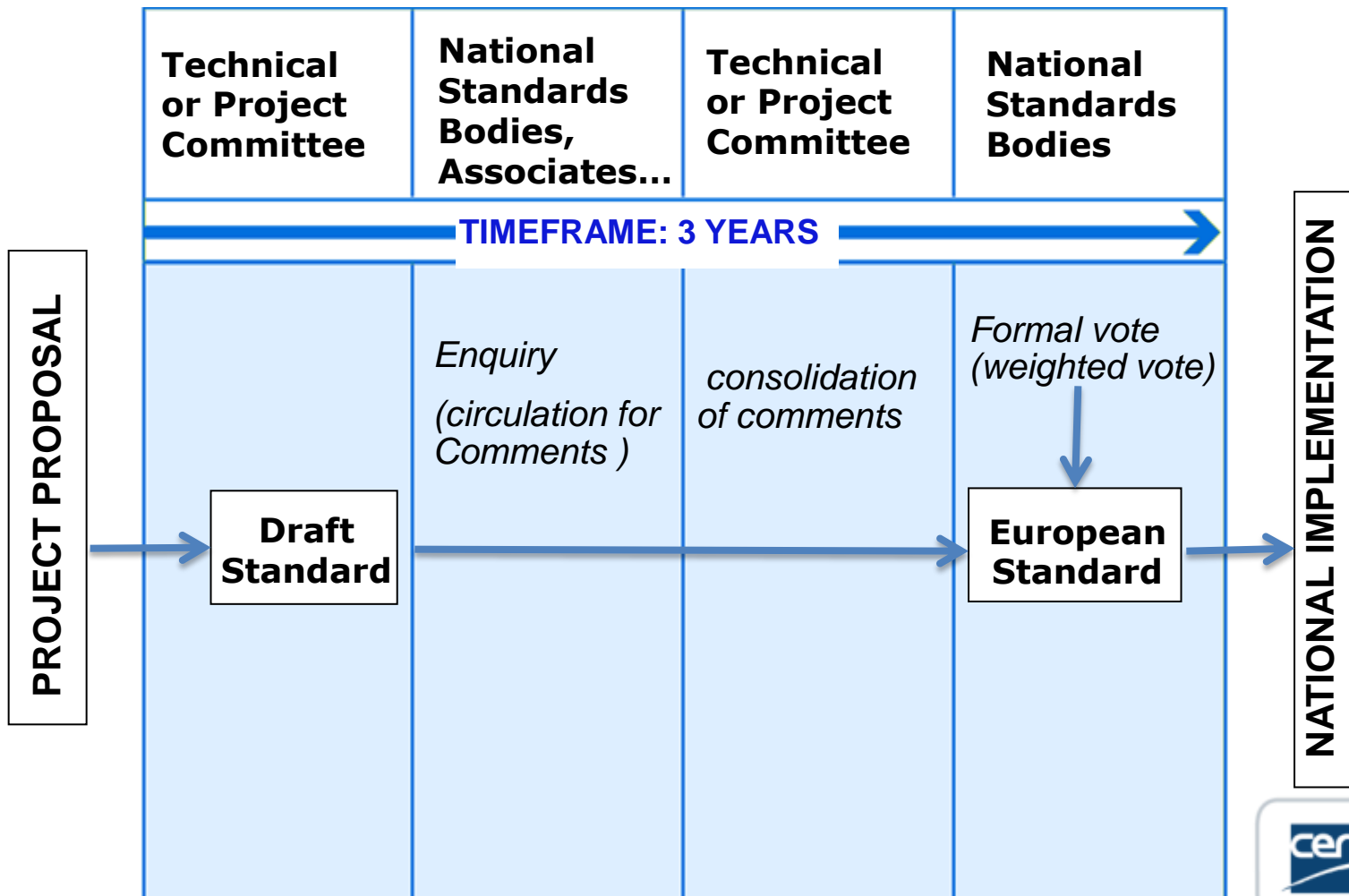


Experts in a specific field representing: industry, trade associations, government, consumer, academia, customers, etc

How are standards made?

1. Proposal – evaluate and decide
 2. Draft and build agreement
 3. Public enquiry – generate comments
 4. Consider comments
 5. Approve the final draft
 6. Publish the standard
 7. Review: confirm / revise
- 
- ```
graph TD; 1[1. Proposal – evaluate and decide] --> 2[2. Draft and build agreement]; 2 --> 3[3. Public enquiry – generate comments]; 3 --> 4[4. Consider comments]; 4 --> 5[5. Approve the final draft]; 5 --> 6[6. Publish the standard]; 6 --> 7[7. Review: confirm / revise]; 7 --> 2;
```

# The standardization process (EN)



# Maintenance of standards

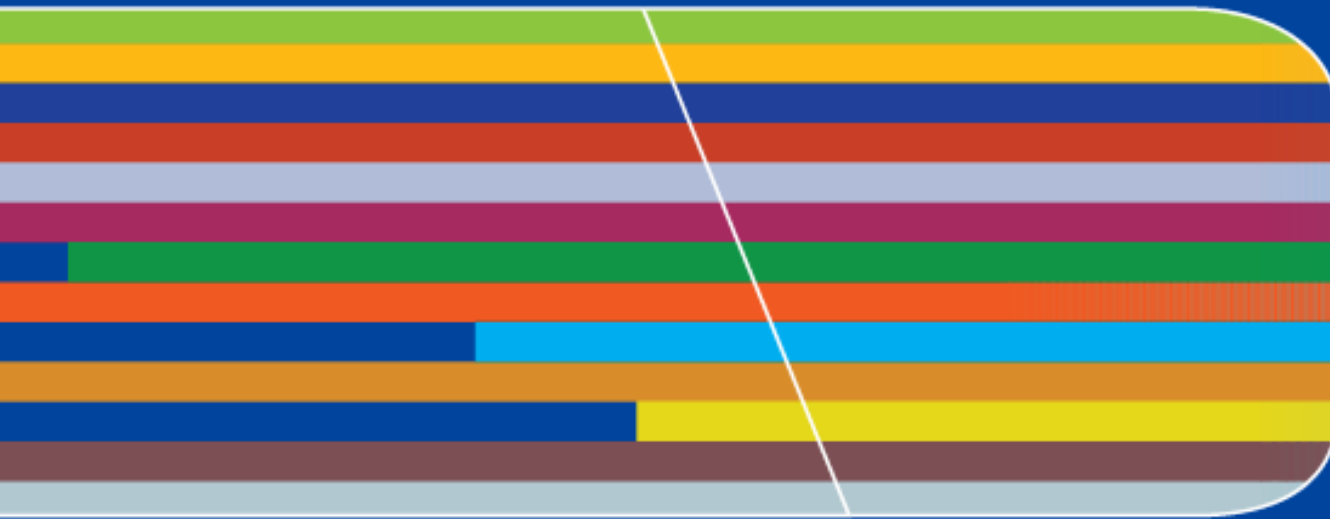


- Reviewed every 5 years (at the latest)
- Ensure standard still current
- Options
  - confirm
  - withdraw
  - amend or revise

# Where can I buy a European Standard?



- From National Standards Bodies
- European Standards are published as national standards
- CEN & CENELEC work in 3 official languages
  - English
  - French
  - German
- European Standards can be translated into other languages



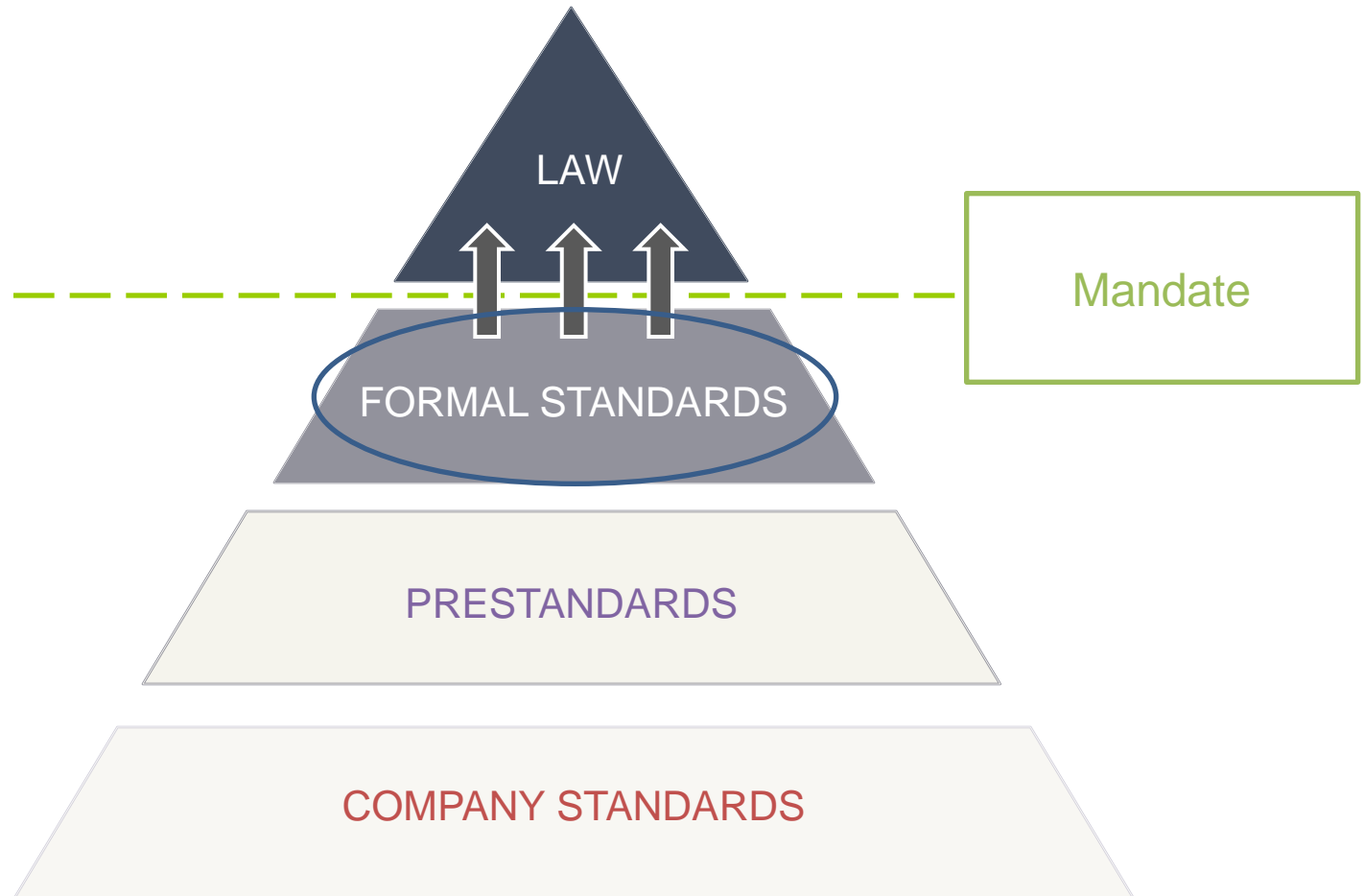
- European Standards
- CEN & CENELEC systems
- Standards development process
- **Links to legislation**
- International dimension



## European standards can support EU policies and legislation

They can help business to comply with requirements established by EU legislation (New approach/New Legal framework) in sectors such as toys, textiles & clothing, pressure equipment, electromagnetic compatibility, machinery, lifts, construction products...

# EN - Link with the law



# New Approach – Basic Principles



## EC Directives

- define essential requirements (ex. safety)
- indicate desired outcome WITHOUT specifying how it should be achieved

## Reference to standards

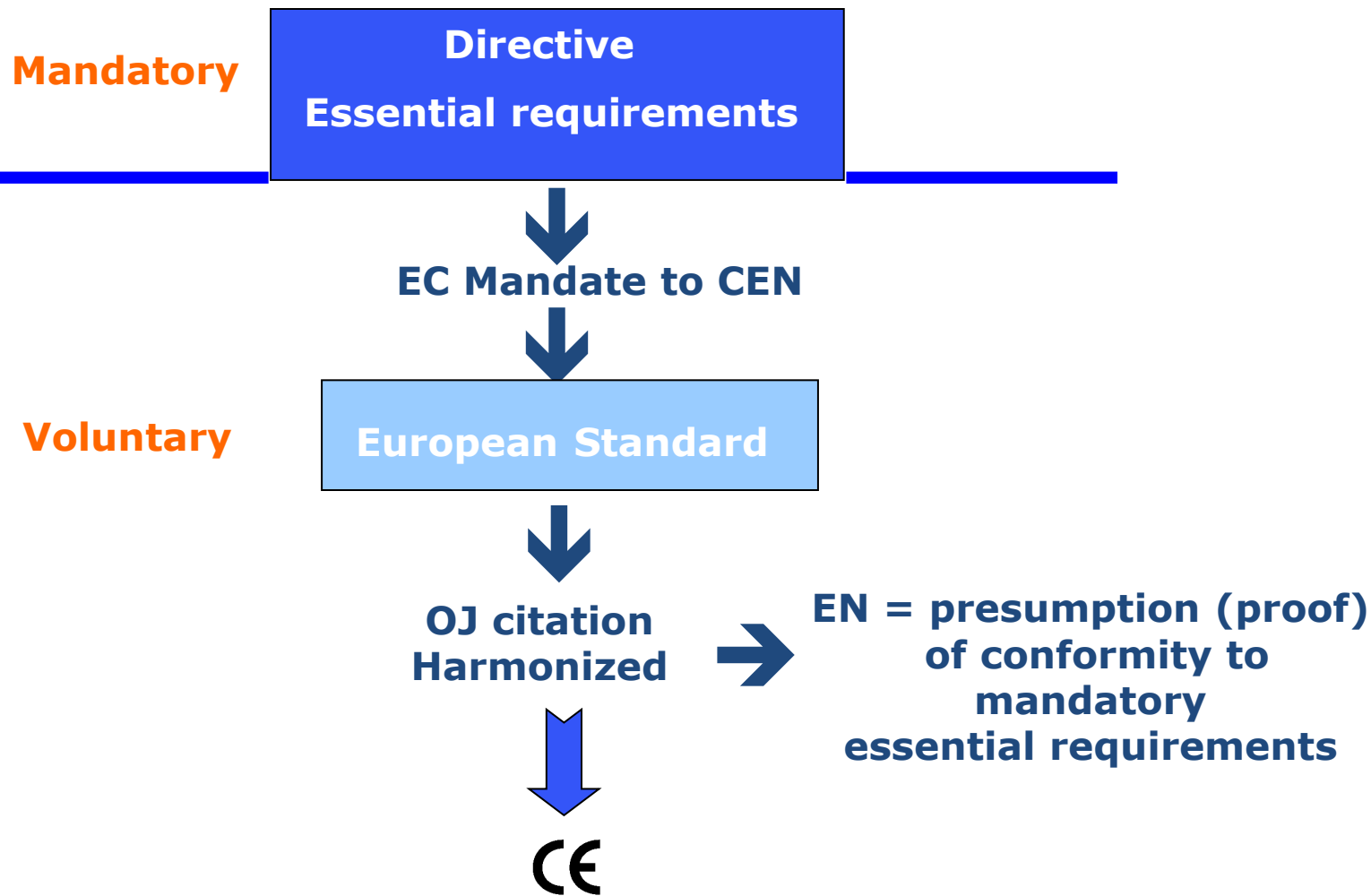
- Standards organizations develop or approve harmonized standards
- EN's set out technical specifications to meet directives essential requirements

## Conformity assessment (CA) policy

- Standards are voluntary – Manufacturers do not have to follow EN
- IF they follow = presumption of conformity (CE marking)
- In many cases opens way for CA without 3rd party intervention



# The standards-based co-regulation in Europe



# Referenced European Standards

1.9.2010 EN Official Journal of the European Union C 236/3

**Commission communication in the framework of the implementation of the Council Directive 88/378/EEC on the approximation of the laws of the Member States concerning the safety of toys**

(Text with EEA relevance)

(Publication of titles and references of harmonised standards under the directive)

(2010/C 236/04)

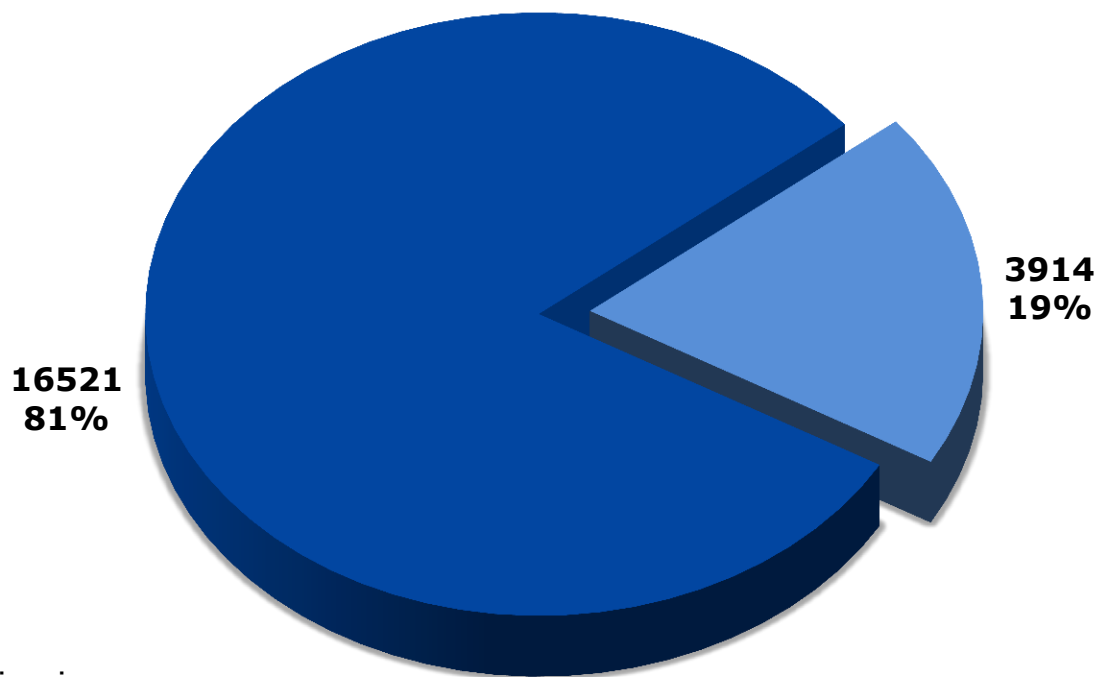
| ESO (*) | Reference and title of the harmonised standard (and reference document)             | First publication OJ | Reference of superseded standard | Date of cessation of presumption of conformity of superseded standard Note 1 |
|---------|-------------------------------------------------------------------------------------|----------------------|----------------------------------|------------------------------------------------------------------------------|
| CEN     | EN 71-1:2005+A9:2009<br>Safety of toys — Part 1: Mechanical and physical properties | 10.8.2010            | EN 71-1:2005+A8:2009<br>Note 2.1 | Date expired<br>(10.8.2010)                                                  |
| CEN     | EN 71-2:2006+A1:2007<br>Safety of toys — Part 2: Flammability                       | 16.9.2008            | EN 71-2:2006<br>Note 2.1         | Date expired<br>(16.9.2008)                                                  |
| CEN     | EN 71-3:1994<br>Safety of toys — Part 3: Migration of certain                       | 12.10.1995           | EN 71-3:1988<br>Note 2.1         | Date expired<br>(30.6.1995)                                                  |

Notice: 'In case of projectiles toys with suction cups with an impact area, the requirement laid down in clause 4.17.1(b), according to which the tension test is performed in accordance with clause 8.4.2.3, does not cover the risk of asphyxiation presented by these toys.' — Commission Decision 2007/224/EC of 4 April 2007 (OJ L 96, 11.4.2007, p. 18).

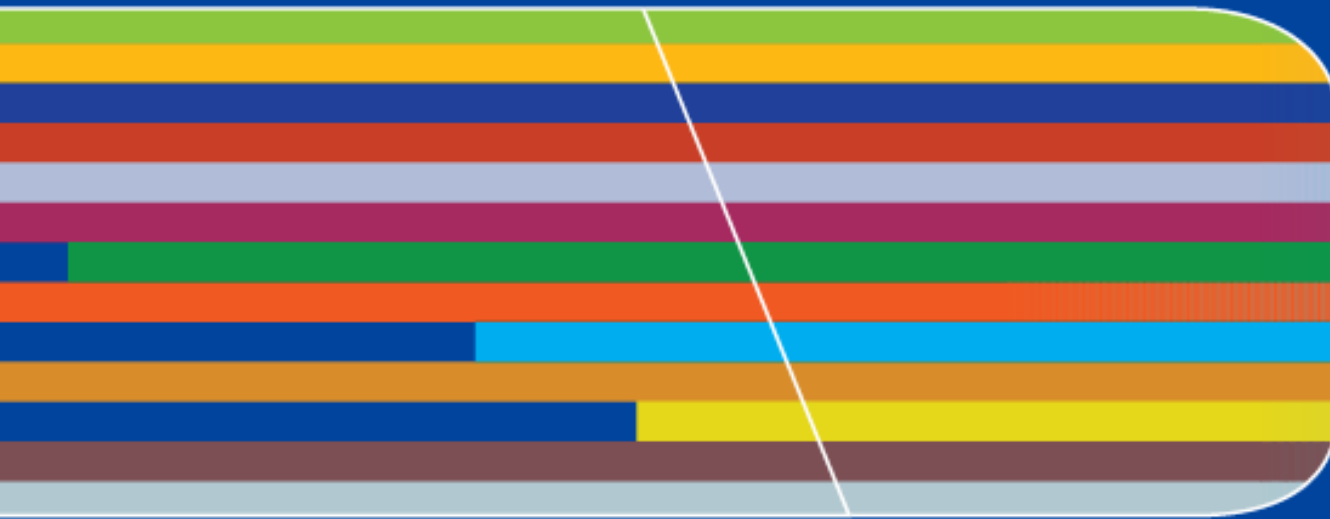
# Supporting European legislation



CEN-CENELEC - Portfolio - Relation to OJEU



- Not for citation in the OJEU
- Cited or to be cited in the OJEU



- European Standards
- CEN & CENELEC systems
- Standards development process
- Links to legislation
- **International dimension**

# A Model With An International Approach



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)



# Integration of regional and global standardization

Vienna Agreement signed between ISO and CEN in 1991 (Dresden Agreement between CENELEC and IEC):

- To adopt International Standards in Europe whenever possible
- No duplication of work

Types of cooperation between ISO and CEN:

- Correspondence
- Mutual representation at meetings
- Adoption of same text as ISO and European standard:
  - Adoption by CEN of an available ISO Standard and vice versa
  - Elaboration of a standard in one organization, parallel ISO/CEN approval procedure



# Opening Up The European System



CEN and CENELEC have harmonized their formal relations with third countries

- **Affiliate** status for the Standardization Organizations of countries listed in the European Neighbourhood Policy
- **Partner Standardization Bodies** for all other Standardization Organizations.
- **Memoranda of Understanding** for regional level

Moreover, CEN, CENELEC and ETSI are increasingly joining forces for international visibility actions



# Thank you! – Questions?



[www.cen.eu](http://www.cen.eu)

[www.cenelec.eu](http://www.cenelec.eu)





# Thank you for listening

- Have a safe journey home

**Frank Moore**

**Chairman CEN TC/248**