



European Standardization Organizations

QI supporting global value chains

A European perspective

QI supporting global value chains - *A European Perspective*

1. About CEN-CENELEC
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CEN-CENELEC

Who we are and what we deliver

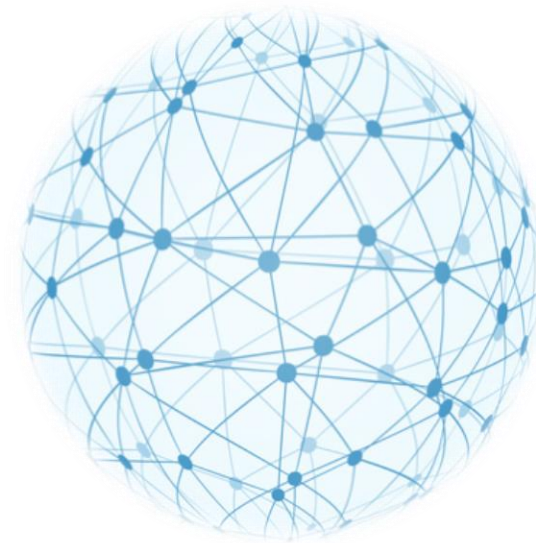
1 standard in 34 different countries










Network of experts








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

	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

ISO – IEC Adoptions

In Europe

European Standard gives access to global markets



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

1 goal:

Identical European and International standards

CEN: **33%** of portfolio identical to ISO

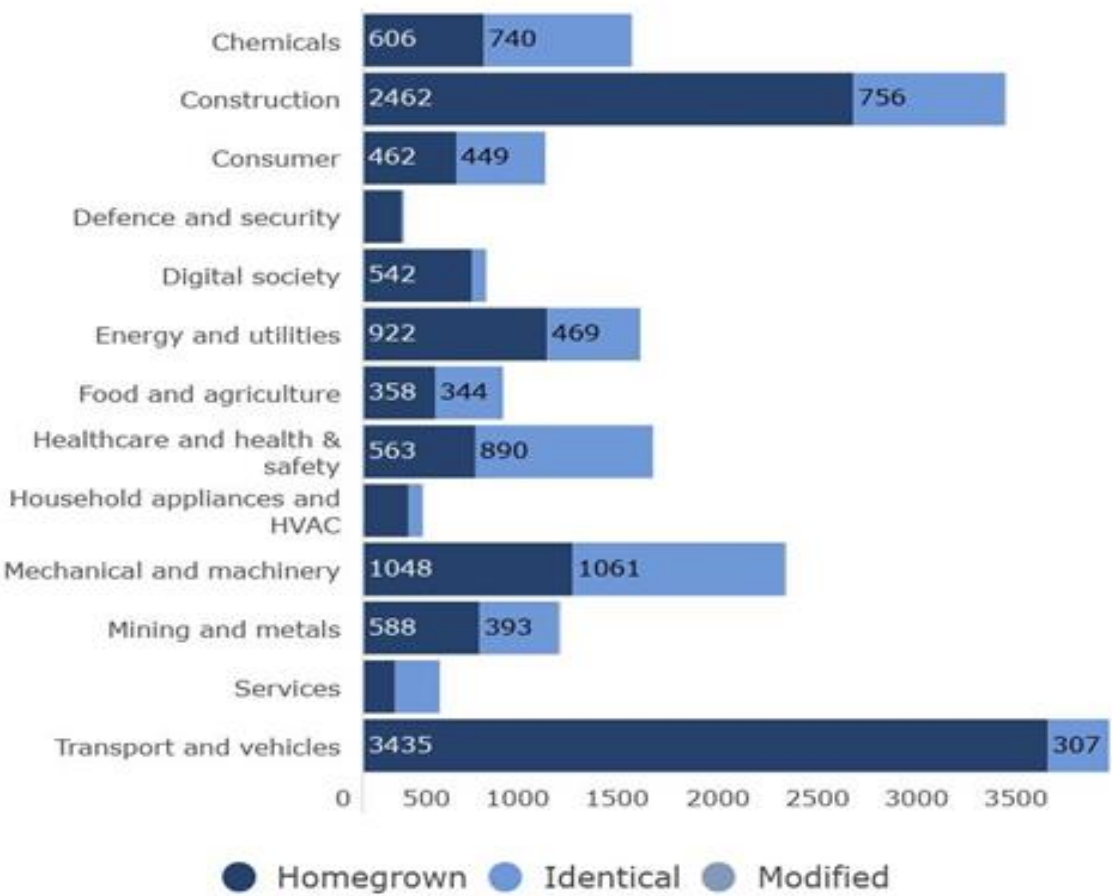
CENELEC: **73%** of portfolio identical to IEC



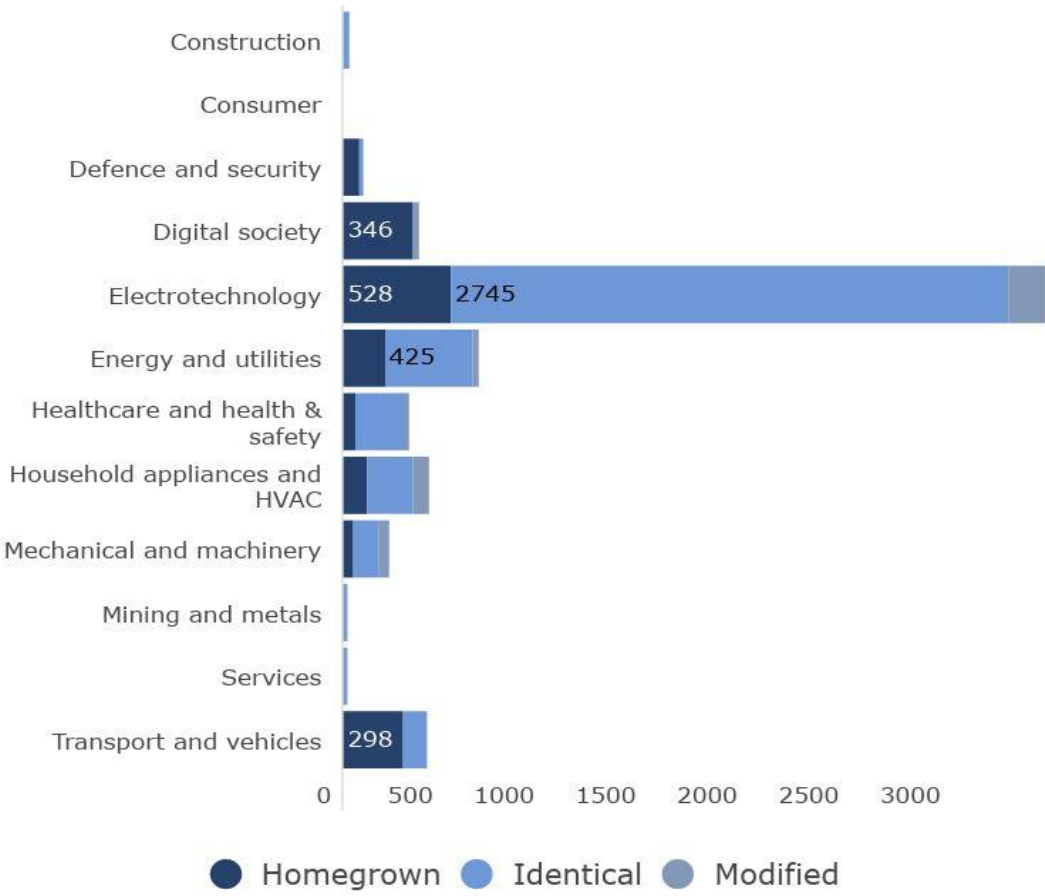
Commitment to international standardization



CEN: 33%



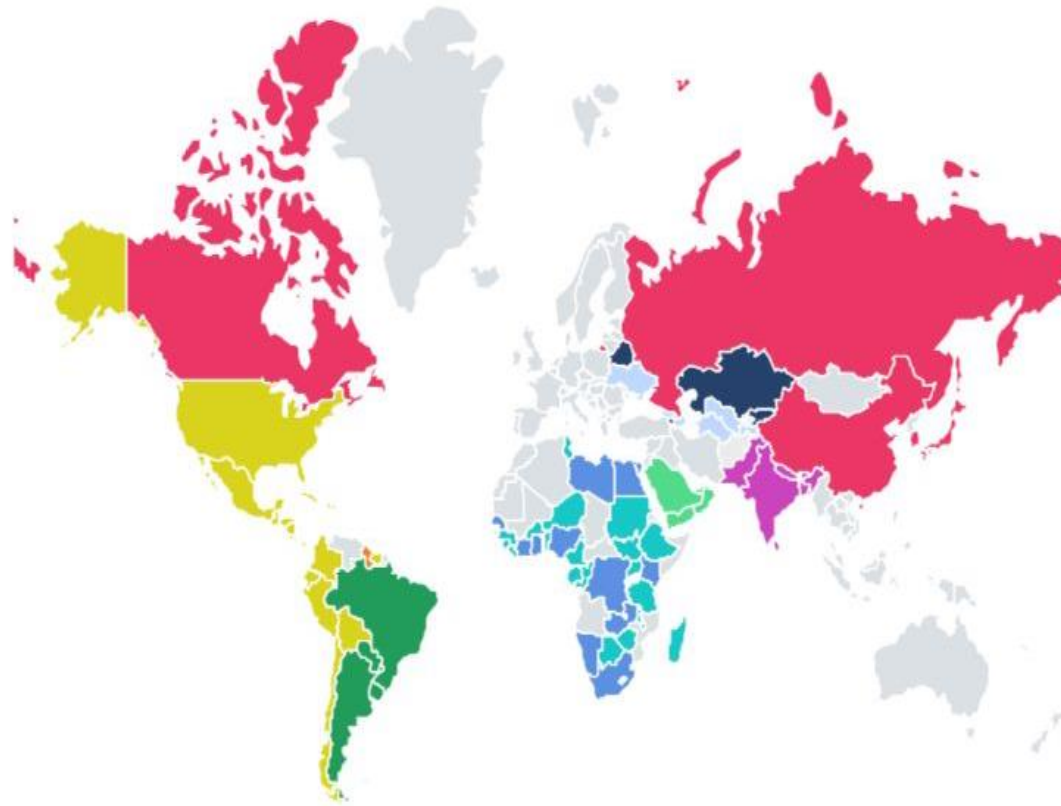
CENELEC: 73%



International Cooperation

Working with our global peers

Working with our global peers



5 Cooperation Agreements

- **JISC** (Japanese Industrial Standards Committee)
- **KATS** (Korean Agency for Technology and Standards)
- **Rosstandart** (Federal Agency for Technical Regulating and Metrology)
- **SAC** (Standardization Administration of the People's Republic of China)
- **SCC** (Standards Council of Canada)



12 MoUs

CEN-CENELEC-ETSI

- **AMN** (MERCOSUR Association for Standardization)
- **COPANT** (Pan American Standards Commission)
- **CROSQ** (CARICOM Regional Organization for Standards and Quality)
- **EASC** (EuroAsian Interstate Council for Standardization, Metrology and Certification)
- **GSO** (Standardization Organization of the Cooperation Council for the Arab States of the Gulf)

CEN-CENELEC

- **EEC** (Eurasian Economic Commission)
- **SARSO** (the South Asian Regional Standards Organization)

CEN

- **ARSO** (African Organization for Standardization)
- **SADCSTAN** (Southern African Development Community Cooperation in Standardization)
- **AIDMO** (Arab Industrial Development and Mining Organization)

CENELEC

- **AFSEC** (African Electrotechnical Standardization Commission)
- **AIDMO** (Arab Industrial Development and Mining Organization)
- **CANENA** (Council for Harmonization of Electrotechnical Standards of the Nations of the Americas)

Tools to reach the international objectives

CEN-CENELEC	Examples	Principles
<i>Affiliates</i>	Albania, Bosnia and Herzegovina, Montenegro	“One-stop shop”
<i>CSBs</i>	Cameroon, Canada, Egypt, Georgia, Israel, Jordan, Lebanon, Moldova, Morocco, Tunisia, Ukraine, ...	
<i>Cooperation Agreements</i>	<div>Soon with India – BIS</div> China, Japan, South Korea, Russia, Canada	Reciprocity Commitment Transparency Strategic
<i>MoUs</i>	<div>BIS-CEN: starting with EN 115</div> EEC, CROSC, SARSO, ARSO/AFSEC, EASC, GSO, COPANT, etc	
<i>License Agreements</i>	<div>SESEI Project</div> 20+ countries all over the World	Dissemination of ENs
<i>Visibility Projects</i>	China, India	Promotion of ESS

Project SESEI



SESEI (Seconded European Standardization Expert in India) is a local face for the European standardization community in India: Dinesh Chand Sharma



CENELEC



Why SESEI: India is a major trade partners for Europe, Increasing role of standards to gain **market access for goods and services**; in an evolving & complex landscape of Indian regulation and standardization. Sharing best practices, work together

Sector: 1. ICT: M2M/IoT, Security, 5G, NFV/SDN, e-Accessibility, eHealth, eCALL... **2. Electrical equipment including Consumer Electronics:** Smart Grid, Smart Meter, LVDC, Micro- Grid, Lift Escalator... **3. Automotive & rail:** Connected Cars, ITS, e-Mobility... **4. Smart Cities:** Mobility, Waste, Energy, ICT and other topics of mutual interests such as Machinery Safety, Cableways, Circular Economy, Railways etc.

www.sesei.eu , www.sesei.in , www.eustandards.in

EU QI & New Legislative Framework (NLF)

- ▶ Quality infrastructure (QI)
 - i. Regulations
 - ii. Standardization
 - iii. Conformity assessment
 - iv. Meteorology
 - v. Market surveillance
- ▶ QI is implemented by national authorities all around the world
- ▶ Regulations are national/regional, need for national standards
- ▶ **But** industry needs access to different national markets
- ▶ National standards need to be based on international standards
 - ▶ Modifications to adapt requirements to specific needs: national regulations, national market needs, national conditions

The New Legislative Framework (NLF)

Implements the EU Single Market & to place products on the EU market.
Reinforces the application and enforcement of internal market legislation.

It:

- ▶ Establishes a common **legal framework for products**, including definitions of terms commonly used in product legislation
- ▶ Clarifies the meaning of **CE marking**
- ▶ Sets clear and transparent rules for the **accreditation** of conformity assessment bodies
- ▶ Sets rules on the requirements for the notification of **conformity assessment** bodies
- ▶ Improves **market surveillance** rules protecting consumers and professionals from unsafe products, including those imported from outside the EU
- ▶ **Applicable to:** toy safety, pressure equipment, construction products, lifts, medical devices, gas appliances, fertilizing products, PPE, RoHS, safety of electrical products,
(Please refer to: https://ec.europa.eu/growth/single-market/goods/new-legislative-framework_en)

Standardization part of the bigger picture



- ▶ **One of the pillars of European quality infrastructure**
 - ▶ New approach to technical harmonisation and standards
- ▶ **Voluntary standards supporting mandatory European legislation**
 - ▶ Essential requirements, safety objectives
- ▶ **Founded on the WTO principles** of coherence, transparency, openness, consensus, voluntary application, independence from special interests, efficiency.
 - ▶ CEN-CENELEC is a signatory to Annex III of the WTO TBT Agreement - **Code of Good Practice**
- ▶ **Supports the Single Market** by eliminating technical barriers to trade, and facilitating the free movement of goods and services, network interoperability, means of communication, technological development and innovation.

Global value chains: QI in companies

The QI system comprises;

- ▶ the organization's policies and approach toward the regulatory framework (country by country, business by business)
- ▶ the organization's policies and involvement in standardization on all levels (international, regional and national)
- ▶ skills, practices and structure needed to support and enhance the conformity to the regulatory framework.



Global value chains: Importance of conformity & market surveillance

- ▶ International certification schemes exchange test report results between conformity assessment bodies around the world. Savings - cost, time to market
- ▶ Conformity assessment requirements in different countries are different
 - ▶ Manufacturers' declaration
 - ▶ Technical files based on:
 - Risk assessment, Test reports, Calculations and drawing
 - ▶ Technical files based on suppliers' declarations
 - ▶ High risk products – notified bodies and mandatory 3rd party certification
- ▶ Market surveillance authorities use the same standards for market surveillance
 - ▶ **ICSMS** (Information and Communication System on Market Surveillance) - IT platform to facilitate communication between market surveillance bodies in the EU and in EFTA countries.
Examples: mobile phone chargers, toys, ,.....



- ▶ A signed BIS and CEN/CENELEC MoU will enhance further cooperation
- ▶ Regulations are mandatory, standards are voluntary
- ▶ National standards need to be based on international standards to offer global markets to industry
- ▶ Conformity is essential for market access and international certification schemes are an essential tool to reach this
- ▶ Market surveillance is key for protecting society

We thank you



Wim De Kesel

Chair TF India

Group Vice-President Standardization, Group Legrand

www.cencenelec.eu

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