



European Standardization Organizations

# The role of European Standards

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CEN-CENELEC

# The European Standardization System



National

European

International

# What do CEN & CENELEC deliver?



Technical documents designed to be used as a rule, guideline or definition, which are:

- ▶ Produced by all **interested parties** in a **transparent, open** and **consensus** based process
- ▶ Intended for a **common** and **repeated** use
- ▶ **Voluntary** in use, business lead and market driven
- ▶ Approved by a **recognized body**

NORME EUROPÉENNE

EUROPÄISCHE NORM

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ICS 91.140.60

Supersedes EN ISO 4064-1:2014

English Version

## Water meters for cold potable water and hot water - Part 1: Metrological and technical requirements (ISO 4064-1:2014)

Compteurs d'eau potable froide et d'eau chaude - Partie 1: Exigences métrologiques et techniques (ISO 4064-1:2014)

Wasserzähler zum Messen von kaltem Trinkwasser und heißem Wasser - Teil 1: Metrologische und technische Anforderungen (ISO 4064-1:2014)

This European Standard was approved by CEN on 11 May 2017.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Ref. No. EN ISO 4064-1:2017 E

# The uniqueness of the European Standardization System

## 1 European Standard



34 identical national standards  
All conflicting standards removed

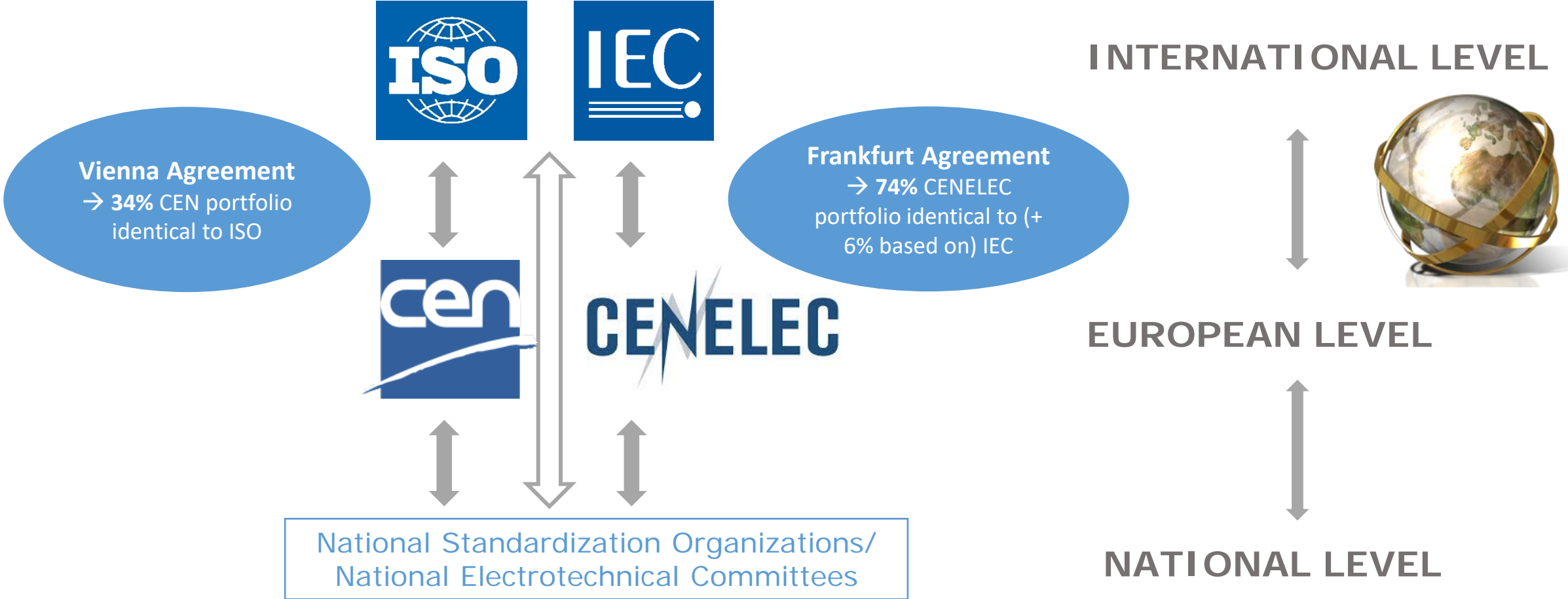


**Access to a market of 600  
million consumers**



# Towards global trade

Europe's preference → Global solutions whenever possible



# What standards brought to the Single Market?



- ▶ Harmonization of the Single Market
- ▶ Keeping it open for trade
  - Support the introduction of new products & services
- ▶ Reduce cost and boost competitiveness of European industry
  - Flexible tool to raise quality and safety
  - Facilitate the implementation of legislation
  - Help innovation
- ▶ Avoidance of new barriers to trade
  - Support global trade
  - Benefit consumers and society at large

# Integrating standardization in Horizon Europe projects





- CEN and CENELEC meet the needs of industry sectors that digitally transform providing the relevant set of standards  
→ **Digital transformation of industry**
  
- Make the CEN and CENELEC system more agile and adaptable to market and technology innovation  
→ **Digital transformation CEN and CENELEC and its deliverables**



# CEN-CENELEC activities

- ▶ CEN/TC 92 'Water meters'
- ▶ CEN/TC 294 'Communication systems for meters'
- ▶ CEN-CENELEC-ETSI Coordination Group on Smart Grids → including smart meters
- ▶ CEN-CENELEC-ETSI developed under M/441 the following deliverables:
  - ▶ CEN-CLC-ETSI TR 50572:2011 'Functional reference architecture for communications in smart metering systems'
  - ▶ Smart Meters Coordination Group - Privacy and Security approach – part I, part II, part III and part IV



*Thank you for your attention*



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