

European Standardization Organizations

CEN and CENELEC

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Closing the loop! Promoting Circular Economy Models in the Personal Protective Equipment Sector -
2019-10-24

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- u Overview on Personal Protective Equipment 'PPE' activities**
- u PPE Standardization Request**
- u On-going discussion**
- u Circular Economy Challenge**

Introduction



Making standards for Europe

The European Standardization Organizations



Standardization happens on different levels...



European

National



International

European Standardization System specificities

1 European Standard



34 identical national standards
All conflicting standards removed



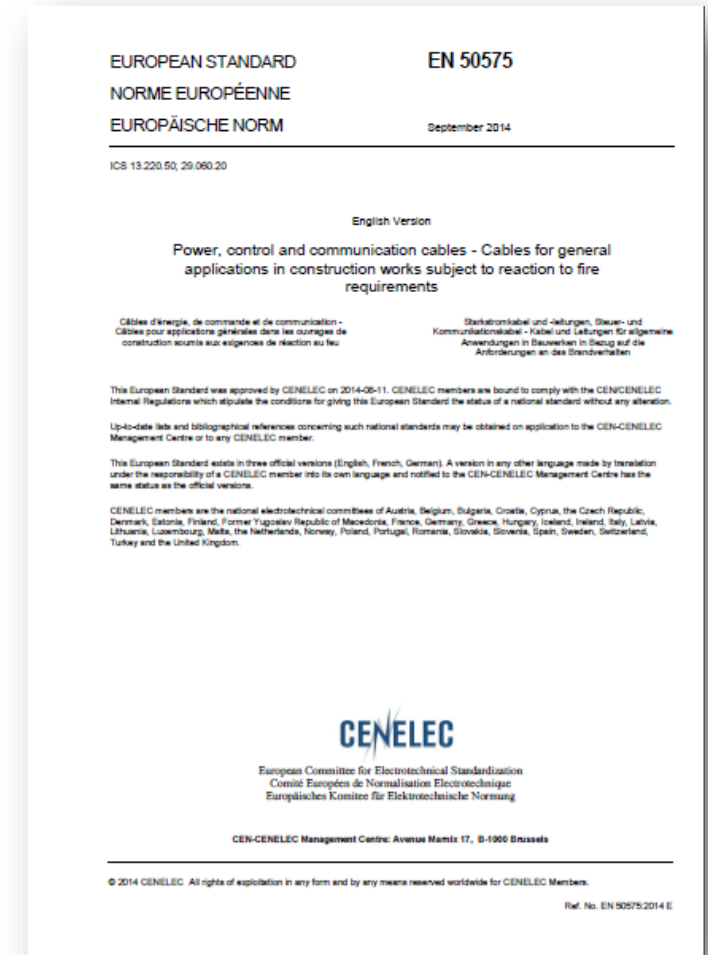
**Access to a market of 600
million consumers**



What do CEN & CENELEC deliver?

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

- u Produced by all **interested parties** in a
- u **transparent, open** and **consensus** based process
- u Intended for a **common** and **repeated** use
- u **Voluntary** in use
- u Approved by a **recognized body**
- u Possible tools to underpin **legislation**



Business sectors

- u [Chemicals](#)
- u [Construction](#)
- u [Consumer](#)
- u [Defence and Security](#)
- u [Digital society](#)
- u [Energy and Utilities](#)
- u [Food and Agriculture](#)
- u [Healthcare and Health & Safety](#)
- u [Household appliances and HVAC](#)
- u [Mechanical and Machines](#)
- u [Mining and Metals](#)
- u [Services](#)
- u [Transport and Packaging](#)

Overview PPE Activities

CEN and CENELEC involved Committees PPE



- u CEN/TC 79 'Respiratory protective devices'
- u CEN/TC 85 'Eye protective equipment'
- u CEN/TC 122 'Ergonomics'
- u CEN/TC 136 'Sports, playground and other recreational facilities and equipment'
- u CEN/TC 158 'Head protection'
- u CEN/TC 159 'Hearing protectors'
- u CEN/TC 160 'Protection against falls from height including working belts'
- u CEN/TC 161 'Foot and leg protectors'
- u CEN/TC 162 'Protective clothing including hand and arm protection and life jackets'
- u CLC/TC 78 'Equipment and tools for live working'



CEN-CLC PPE Sector Forum



- u Coordinates European standardisation activities on PPE
- u Chaired by Sector Rapporteur
- u Meets twice a year
 - April & November 2019

- u Current activities:
 - Day to day guidance on the impact of the PPE Regulation on standards
 - Guidance on innocuousness & the link with REACH
 - Discussion on dating on normative references

PPE standards

- u Published PPE 500 standards

- u Link with EU legislation → PPE Regulation (EU) 2016/425:

- ca **178** cited references under PPE Regulation 2016/425

- **21** references offered for OJEU citation under the PPE Regulation in 2017, 2018 and 2019

- **3** to be offered in October 2019

- u Ongoing work: ca **78** projects under development (to be offered for citation)

PPE Standardization Request

PPE Standardization Request



- u New PPE **Regulation (EU) 2016/425** repealing **Directive 89/686/EEC** → no longer applicable as from 21 April 2019
- u PPE SReq discussed in 3 meetings of the Committee on Standards (COS) + one written procedure (suspended)
- u COS meeting **24 June 2019** – PPE SReq was not presented for vote due to political clearances
- u New features of the PPE SReq due the James Elliot's case
 - An **exhaustive list** of precise standards to be developed by CEN-CENELEC Members.
 - An expiry date to avoid '**open SReq**' and questions regarding the **validity** of a Standardization Request.
- u Non-citation of harmonised standards in OJEU under the PPE **Regulation (EU) 2016/425**
- u Positive collaboration and communication with the EC → Possible vote at the next COS

On-going discussion:

- **PPE Smart Garment**



On-going discussions

Smart garment

- u M/553 *standardisation request as regards advanced garments and ensembles of garments that provide protection against heat and flame, with integrated smart textiles and non-textile elements for enhanced health, safety and survival capabilities, in support of **Regulations (EU) No 1007/2011 and (EU) 2016/425*** accepted by CEN and CENELEC in January 2017
- u Work programme submitted to EC on 2018-02-22
 - o Technical Report on terms and definitions
 - o Initial publication target date: mid-2019
 - o Technical Report on selection, use, care & maintenance
 - o Initial publication target date: mid-2019
 - o Standard on test methods & requirements
 - o Publication target date: end 2021
- u Lead: CEN/TC 162 'Protective clothing including hand and arm protection and lifejackets'
 - u Cooperation is established with:
 - CEN/TC 248/WG 31
 - CEN/TC 122/WG 14
 - u Expected contribution from CLC/SR 124 (Liaison with IEC/TC 124 'Wearable electronic devices and technologies')
- u Coordination of work by CEN-CENELEC PPE Sector Forum



On-going discussions

Smart garment on smart garment

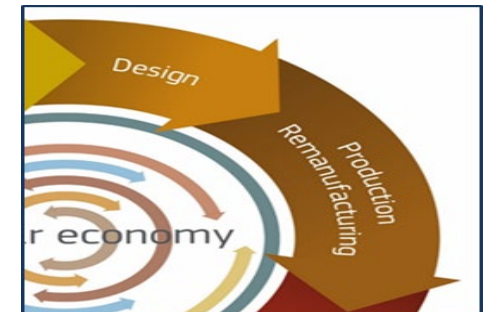
- u Work ongoing
 - u Project leaders nominated
 - u Project groups established
 - u Work Item ballot started
 - u Ballot on formal vote be launched
- u Annual report for 2019 in preparation
- u Deadline for deliverables in Standardization Request: December 2021
- u CEN-CENELEC PPE second workshop on Smart Garment 14 October 2019
- u Report will be available soon

Circular Economy Challenge

Tackling the challenge - examples

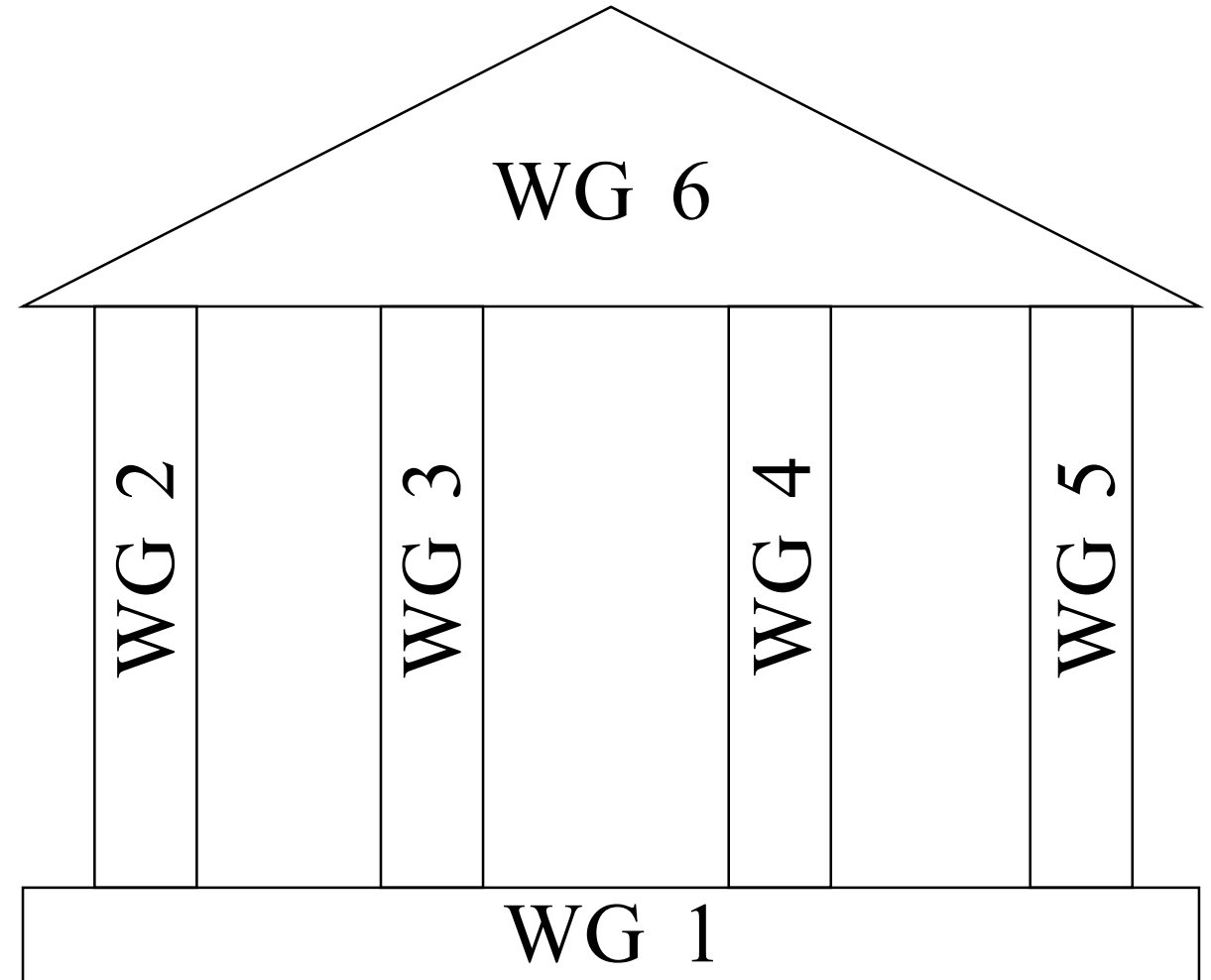
Efficient production process: product design and material efficiency

- u In the field of Ecodesign ([2009/125/EC](#)) and Energy Labelling ([2017/1369/EU](#)) → **energy utility and household appliances**
- u CEN and CENELEC produce European Standards that provide dedicated methods for measuring the energy performance of various energy-related products against the compulsory values and thresholds laid down in Ecodesign Regulations.
- u EU Circular Economy Package - Action plan
- u M/543 'Ecodesign requirements on material efficiency aspects for energy-related products' issued by EC 17.12.2015 and accepted in January 2016
- u CEN-CENELEC/JTC 10 'Energy-related products - Material Efficiency Aspects for Ecodesign'
- u 8 projects under development → generic principles to take into account when addressing material efficiency of products
 - u Extending product lifetime → LONGER
 - u Ability to re-use components or recycle materials at end-of-life → LESS
 - u Use of re-used components and/or recycled materials → SMART



Working groups:

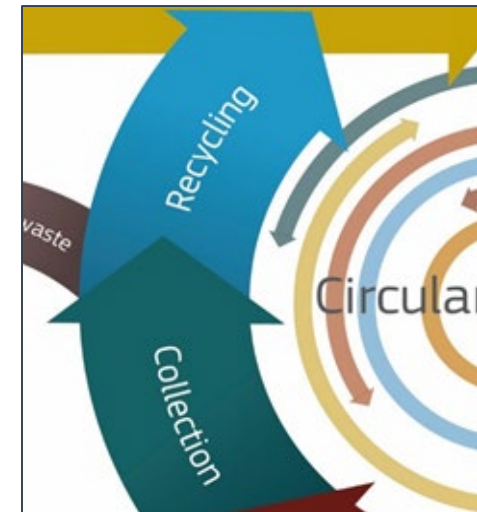
1. Terminology
2. Durability
3. Repair, re-use, upgrade
4. Remanufacture,
5. Recycling
6. Communication



Tackling the challenge - examples

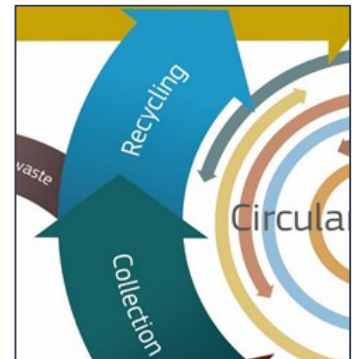
Raw Material Recovery

- u The proper management of raw material is crucial as their extraction, in certain cases, also causes significant environmental impacts
- u EC ancillary actions on *'Identification of potential needs of standardization for sustainable chemicals from primary and secondary raw materials related to the circular economy action plan'*.
- u CEN and CLC established a dedicated group ([CEN-CLC BTWG 11 'Sustainable chemicals'](#))
- u Identification and mapping of over 1100 existing standardization initiatives across all levels
- u Recommendations submitted for further actions to CEN and CLC Technical Boards and to EC



Tackling the challenge - examples

- u The [generic findings](#) of this CEN-CLC/BTWG 11
- u Group disbanded → BTWGs make strategic activities delegated by Technical Board
- u Circular Plastic Alliance founded in 2019 comprising Industries, Researcher, EC , CEN-CENELEC etc.
- u BTWG 11 report circulated to the Circular Plastic Alliance → validation of the need of standards in plastics
- u CEN and CENELEC signed the [Declaration of Circular Plastic Alliance on 20 September 2019](#).
- u Committed to ensure that 10 million tonnes of recycled plastics are used to make products in the EU in 2025





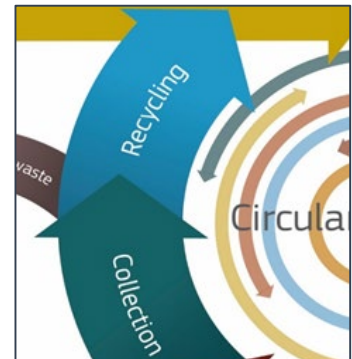
Tackling the challenge - examples

Waste Management

u Benefit of waste management

- Environment
- Economy industries to (reduced waste costs, new revenue from reuse and recycling).

u CEN/TC 292 'Waste characterization' works on the standardization of procedures **to determine the characteristics of waste and waste behaviour**, especially leaching properties and standardization of subsequent terminology.



Thank you



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