

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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Introduction





Making standards for Europe

The European Standardization Organizations





Standardization happens on different levels...











International

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European

CENELEC

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 de liver?



Technical documents designed to be used as a rule, guide line 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

EUROPEAN STANDARD

EN 50575

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2014

ICS 13:220.50; 29:060:20

English Version

Power, control and communication cables - Cables for general applications in construction works subject to reaction to fire requirements

Câbles d'énergie, de commande et de communication -Câbles pour applications générales dans les ouvrages de Starkstromkabel und -leitungen, Steuer- und ommunikationskabel - Kabel und Leitungen für allgemeine Anwendungen in Bauwerken in Bezug auf die Anforderungen an das Brandwerbalten

This European Standard was approved by CENELEC on 2014-08-11. CENELEC members are bound to comply with the CENECENELEC 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 Measurement Centre or to any CENELEC Measurement Centre or to any CENELEC

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 CENILEC member into its own language and notified to the CEN-CENILEC Management Centre has the same status as the official versions.

CINILIZ Crembes as the national electroschrick committee of Austria, Belgium, Bulgaria, Creatia, Optium, the Carch Republic, Demants, Estatin, Frinted, Former Virgualet Republic of Manderias, France, Gentrary, Osson, Hurgay, Indead, Inland, Lief, Lithiu, Lithiania, Lusembourg, Mats, the Netferlands, Norwey, Poland, Portugal, Romania, Stovistia, Sloveria, Spain, Sweden, Sertzerland, Turkey and the United Kinddon.

CENELEC

European Committee for Electrotechnical Standardizatio Comité Européen de Normalisation Electrotechnique Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Mamix 17, B-1000 Brussel:

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Business sectors



- u <u>Chemicals</u>
- u Construction
- u <u>Consumer</u>
- u <u>Defence and Security</u>
- u <u>Digital society</u>
- u **Energy and Utilities**
- u Food and Agriculture
- u <u>Healthcare and Health & Safety</u>
- u Household appliances and HVAC
- u Mechanical and Machines
- u <u>Mining and Metals</u>
- u <u>Services</u>
- u <u>Transport and Packaging</u>



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



12

u Published PPE 500 standards

u Link with EU legislation \rightarrow 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 \rightarrow Possible vote at the next COS



On-going discussion:

PPE Smart Garment



On-going discussions



Smart garment

- u M/553 standardisation request as regards <u>advanced garments and ensembles of garments that provide protection</u> <u>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>
- u Work programme submitted to EC on 2018-02-22
 - Technical Report on terms and definitions
 - Initial publication target date: mid-2019
 - o Technical Report on selection, use, care & maintenance
 - o Initial publication target date: mid-2019
 - 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

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Circular Economy Challenge





Efficient production process: product design and material efficiency

- u In the field of Ecodesign (2009/125/EC) and Energy Labelling (2017/1369/EU) \rightarrow 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 <u>8 projects under development</u> -> 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

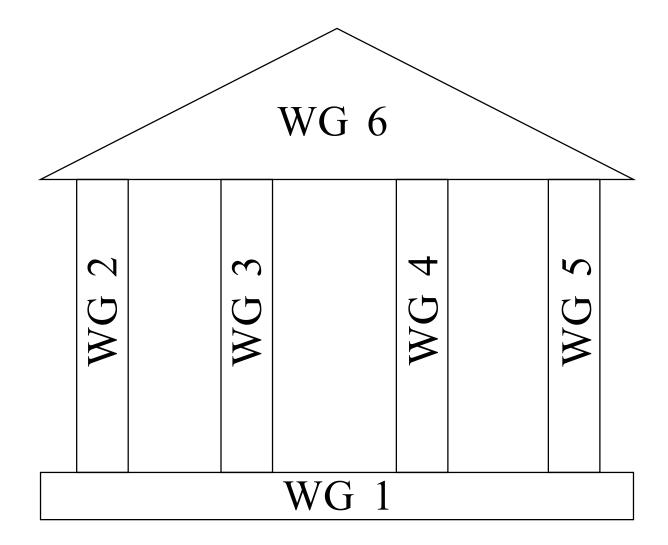


CEN-CENELEC/JTC 10



Working groups:

- 1. Te rm in o lo g y
- 2. Dura b ility
- 3. Re p a ir, re -use, up g ra d e
- 4. Remanufacture,
- 5. Recycling
- 6. Communication





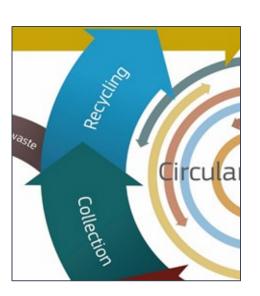


Raw Material Recovery

- 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







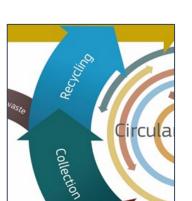




- u The generic findings of this CEN-CLC/BTWG 11
- u Group disbanded → BTWGs make strategic activities delegated by Technical Board
- u Circular Plastic Alliance founded in 2019 comprising Industries, Researcher, EC, CEN-CENELEC etc.
- u BTWG 11 report circulated to the Circular Plastic Alliance
 → validation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









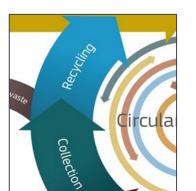


Waste Management

- 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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