

The logo for DIN (Deutsches Institut für Normung) is displayed in white text on a dark blue rectangular background. The letters 'DIN' are in a bold, sans-serif font, with a horizontal line above the 'I' and another below the 'N'.

DIN

2019 SBS Forum on PPE – Closing the Loop

SESSION 1: Sustainability in the PPE Industry

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Overview – CEN/SABE part

1. What is CEN/SABE?
2. Why do we need to support circular economy?
3. What is the role of the PPE industry in circular economy?
4. Which information/tools exist to support committees to address sustainability and circular economy?

What is CEN/SABE?

SABE “Strategic Advisory Body on Environment”

SABE is

- Strategic advisor of CEN/BT on EU environmental policy developments and its impact on standardization
- Platform of exchange on environmental topics open to all CEN National Members, partners & stakeholders

SABE does e.g.

- Identification of future relevant and significant topics
- Promotion of environmental standardization within the EC and across the CEN community

SABE “Strategic Advisory Body on Environment”

SABE

**Environmental
Issues in
Standardization
Team (ENIS)**

Following up strategic
and horizontal issues

**Environmental
Monitoring
Strategy Team
(ENV)**

Standardisation needs in
environmental measure-
ments and monitoring

**Environmental
Management
Team (EMT)**

Dealing with environ-
mental management and
climate-related issues

**In preparation /
discussion**

Extension of scope
to CENELEC

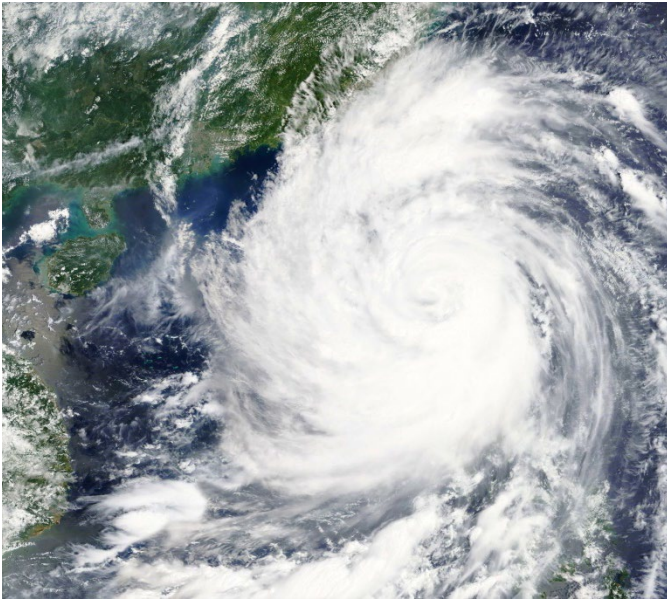
Coordination group
on circular economy

Why do we need to support circular economy?

Circular Economy (CE)

- Circular Economy is a strategic objective from the European Commission for many years (e.g. circular economy package in 2015)
- Standardization significantly supports circular economy – but there is still a high potential for a better support
- It is important to take advantage of this potential – circular economy is a key strategy to address our present and future challenges, such as...

Circular Economy addresses...



Climate Change



**Overpopulation /
Planetary Boundaries**



**Loss of
Biodiversity**

**What is the role of the PPE industry
in circular economy?**

Sustainability/circular economy and PPE industry

- Circular economy is relevant for the whole economy (and society), i.e. also the PPE industry

Challenges for the PPE industry:

- many types of PPE, differing in materials, application etc.
 - It might be difficult to address all kinds of PPE with the same approach
- certain PPE are strongly affected by contamination
 - impacts on the recyclability
- PPE often use composite materials, special coatings or production procedures
 - protective function vs recyclability
- use/integration of electronic equipment in PPE (e.g. smart textiles)
 - special recycling requirement apply

Which information/tools exist to support committees to address sustainability and circular economy?

Relevant Guides

- CEN Guide 4 *Guide for addressing environmental issues in product standards*
 - identical to ISO Guide 64
 - central concept: life-cycle thinking
 - provides an environmental checklist to systematically assess relevance of environmental issues over the different life-cycle stages

- Further relevant guides:
 - CEN Guide 16 *Guide for addressing chemicals in standards for consumer-relevant products*
 - Webinar on CEN Guide 16 available on CEN-CENELEC website
 - CEN-CENELEC Guide 32 *Guide for addressing climate change adaptation in standards*
 - CEN-CENELEC Guide 33 *Guide for addressing environmental issues in testing standards*
 - ISO Guide 82 *Guidelines for addressing sustainability in standards*
 - IEC GUIDE 109 *Environmental aspects - Inclusion in electrotechnical product standards*

Webinars on environmental topics

2019

- **CEN Guide 16** *Guide for addressing chemicals in standards for consumer-relevant products*
– recorded; available on [CEN-CENELEC website](#)
- *Addressing climate change adaptation within or across organizations by using the new standard EN ISO 14090*
– Thursday 14 November 2019 (14:00 – 15:00 CET), registration on CEN-CENELEC website under <https://attendee.gotowebinar.com/register/8783609569305592332>
- **practical examples (plastic) for circular economy** (planned still to held in Q4 2019)

Planned for 2020

- water stewardship (planned for Q1 2020)
- SDGs (planned for Q2 2020)
- sustainable finance (planned for Q3 2020)
- **material efficiency** (planned for Q4 2020)

Material efficiency standards

- Being developed under standardization request M/543 „Material Efficiency“
- Three top level objectives of M/543:
 - Extending product lifetime
 - Ability to re-use components or recycle materials from products at end-of-life
 - Use of re-used components and/or recycled materials in products
- 9 standards/technical reports
- horizontal standards with general requirements (to be implemented in specific product standards)
- Due to its relation to the ecodesign directive the scope is in principle restricted to energy-related products; most requirements are, however, generic and could also be applied to other product standards

Material efficiency standards – Overview

- TR 45550 *Definitions related to material efficiency* (under development)
- EN 45552 *General method for the assessment of the durability of energy-related products* (under development)
- EN 45553 *General method for the assessment of the ability to remanufacture energy-related products* (under development)
- EN 45554 *General methods for the assessment of the ability to repair, reuse and upgrade energy-related products* (under development)
- EN 45555 *General methods for assessing the recyclability and recoverability of energy-related products* (under development)
- EN 45556 *General method for assessing the proportion of reused components in energy-related products*
- EN 45557 *General method for assessing the proportion of recycled material content in energy-related product* (under development)
- EN 45558 *General method to declare the use of critical raw materials in energy-related products*
- EN 45559 *Methods for providing information relating to material efficiency aspects of energy-related products*

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