



## Christian Dworak

Die Digitale Waschküche &  
Geschäftsmodellrelevante Standards

B/S/H/  WeWash



## Framing the Sharing Economy

Enabling Digital Platforms and other Sharing Agents

# WeWash : General Information

March 2023

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# WeWash is a digital pay-per-use business model for sharing laundry appliances. [WeWash in a Nutshell](#)



# A new communal washing experience for users!

## WeWash Advantages



### Reserve machines

Use WeWash to check the occupation status of machines and reserve free ones. Save time and sooth your nerves.



### Real time notifications

WeWash informs you as soon as your laundry is ready. Avoid unnecessary walks to the machine.



### Easy payment

WeWash offers you different payment methods. All easy and transparent. You never have to collect coins or washing chips again.

# We digitalize all existing appliances with our WeWash Box.

## WeWash Box



### No internet connection needed

The owner does not need to provide a WiFi or internet connection in the laundry room. The WeWash Box contains all necessary components.



### 230 or 400 Volt

No matter, if 230V or 400V high voltage, if the appliances are equipped with a commercial plug or a fixed installation by cable. We offer the right solution for every connection type.



### Socket or wall mounting

Locations for laundry rooms are individual. That is why we offer a flexible solution to serve the specific needs of a location.

We digitize existing machines or provide a full service with BSH machines.  
WeWash Products

WeWash  
Box



WeWash  
Care



More than 500 B2B customers from various segments use WeWash.

## Customer Segments

### Housing Companies



### Property Managers



### Project Developers



### Student Living Providers



### Serviced Apartments



### Camping Sites





WeWash



# Geschäftsmodellrelevante Standards CEAP

## 2015 - Normungsmandat M/543



Brussels, 17.12.2015  
C(2015) 9096 final

### COMMISSION IMPLEMENTING DECISION

of 17.12.2015

on a standardisation request to the European standardisation organisations as regards ecodesign requirements on material efficiency aspects for energy-related products in support of the implementation of Directive 2009/125/EC of the European Parliament and of the Council

(Text with EEA relevance)

Only the English, French and German texts are authentic.

Closing the loop – An EU action plan for the Circular Economy (2015)

“...To date, ecodesign requirements have mainly targeted energy efficiency; in the future, issues such as reparability, durability, upgradability, recyclability, or the identification of certain materials or substances will be systematically examined. ...”

#### Stand

Produktion	Transport/Verkauf	Nutzungsphase	weiterer Nutzen
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#### Status

produziert	gehandelt	gebraucht	verändert	neues Produkt
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#### Behandlung

passiv	Alterung/Verschleiß	präventive Wartung	Wartung	Reparatur	Wideraufbereitung	Wiederaufarbeitung	Recycling
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#### Normen des M/543

prEN45555 prEN45557	prEN45552	prEN45554	prEN45553	prEN45555 prEN45557
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prEN45558, prEN45559
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prEN45550, prEN45551
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# Geschäftsmodellrelevante Standards

CEN-CENELEC/TC 10

EN 45552:2019

CEN-CENELEC/JTC 10

Date: 2019-01

**EprEN 45552:2019**

CEN-CENELEC/TC 10

Secretariat: NEN

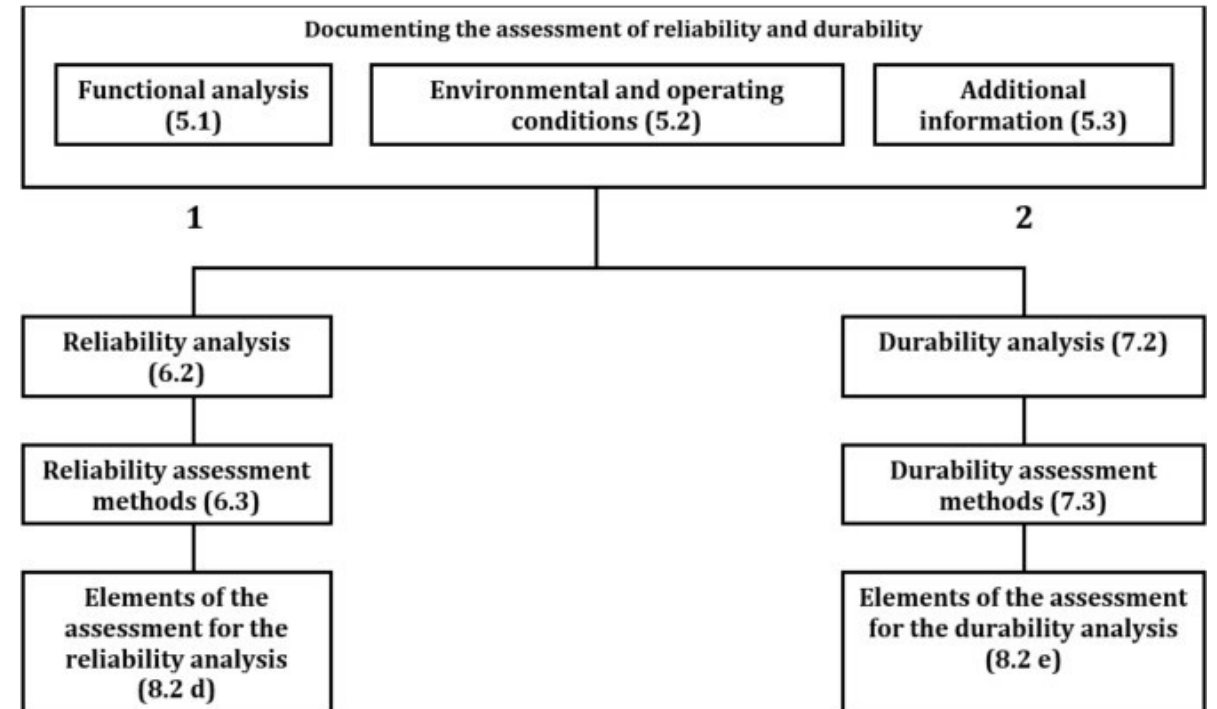
**General method for the assessment of the durability of energy-related products**

**Allgemeines Verfahren zur Bewertung der Funktionsbeständigkeit  
energieverbrauchsrelevanter Produkte**

durability

< of a part or a product >

ability to function as required, under defined conditions of use,  
*maintenance and repair*, until a limiting state is reached



# Geschäftsmodellrelevante Standards

CEN-CENELEC/TC 10

EN 45554:2020

EUROPEAN STANDARD

EN 45554

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2020

ICS 13.030.50

English Version

General methods for the assessment of the ability to repair,  
reuse and upgrade energy-related products

Méthodes générales pour l'évaluation de la capacité de  
réparation, réutilisation et amélioration des produits liés à  
l'énergie

Allgemeine Verfahren zur Bewertung der Reparatur-,  
Wiederverwendbarkeits- und Upgrade-Fähigkeit  
energieverbrauchsrelevanter Produkte

$$S_{depth,i} = 1 - \frac{(D_i - 1)}{(D_{ref} - 1)} \quad \text{with} \quad S_{depth,i} = 0 \text{ for } D_i > D_{ref}.$$

where

- $S_{depth,i}$  is the disassembly depth score for priority part  $i$
- $D_i$  is the depth for part  $i$
- $D_{ref}$  is the reference depth for the product group specified at product-specific level



## Bewertung der Reparatur-, Wiederverwendbarkeits- und Upgrade- Fähigkeit

### Quantitative Kriterien

#### Austauschbare Bauteile / Ersatzteile Einfachheit beim Zerlegen /

Table A.5 — Classification of skill level

Category Description	Class
Layman	A
Generalist	B
Expert	C
Manufacturer or authorized expert	D
Not feasible with any existing skill	E

Verfügbarkeit von

Reparaturanleitungen

Verfügbarkeit von Diagnosetools

Copyright

# Geschäftsmodellrelevante Standards

## CEN-CENELEC/TC 10 prEN 45560:2022 – Under Construction



**CEN-CLC/JTC 10**

Date: 2022-11-01

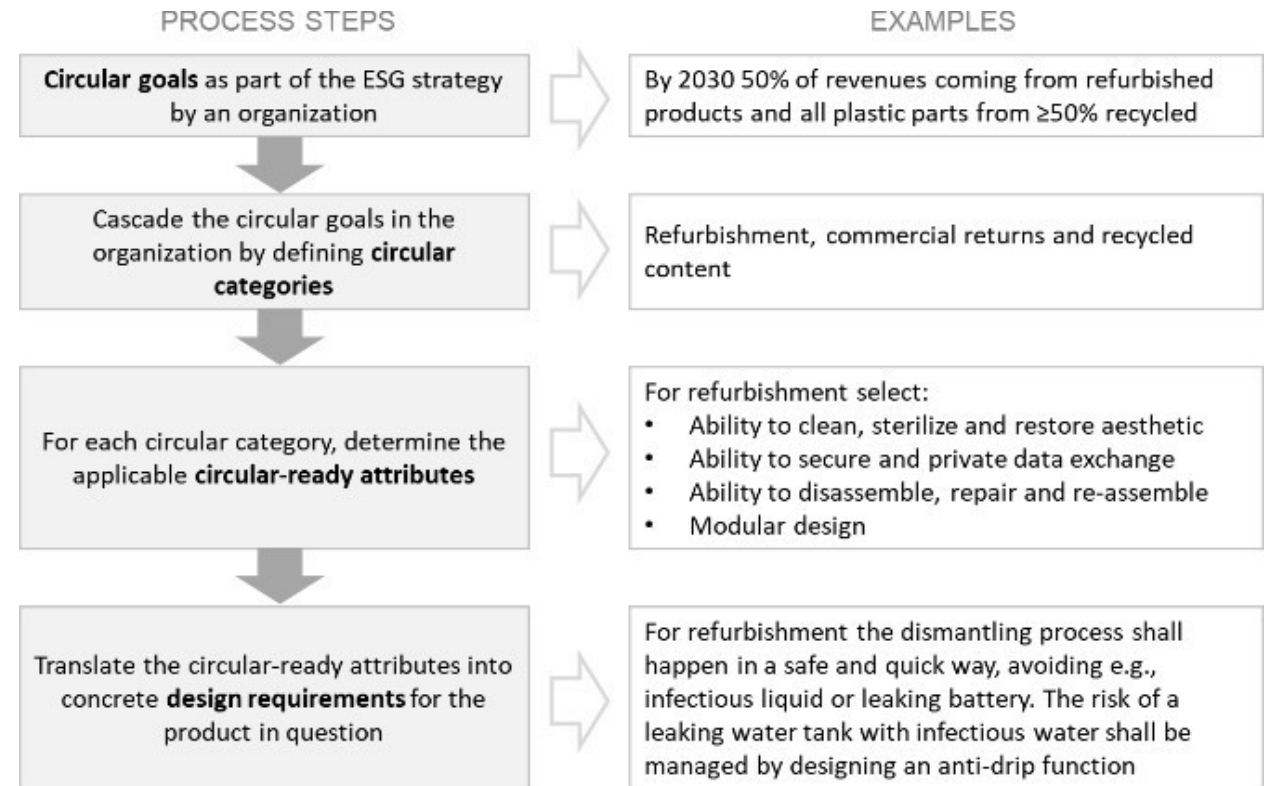
**SecEnq - CLC prEN 45560:2022**

Secretariat: NEN

**Method to achieve circular designs of products**

**(DE NC please translate title)**

**(FR NC please translate title)**



# Fragen & Diskussion

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