

Britta T. Hougaard  
18. Marts 2025

Den nye  
byggevarereforordning  
- vejen til mere  
bæredygtige  
byggematerialer på det  
europæiske marked?

**VELUX®**



## Kort om mig

- Civilingeniør fra AAU
- 20+ år i vindues- og dørbranchen med ansvarsområder indenfor lovgivning (EU og national), test samt standardisering
- Siden 1/7-2023 hos VELUX



Britta Tipsmark Hougaard  
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# Agenda

1. CPR's rolle i den grønne omstilling

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2. Primære ændringer og deres betydning

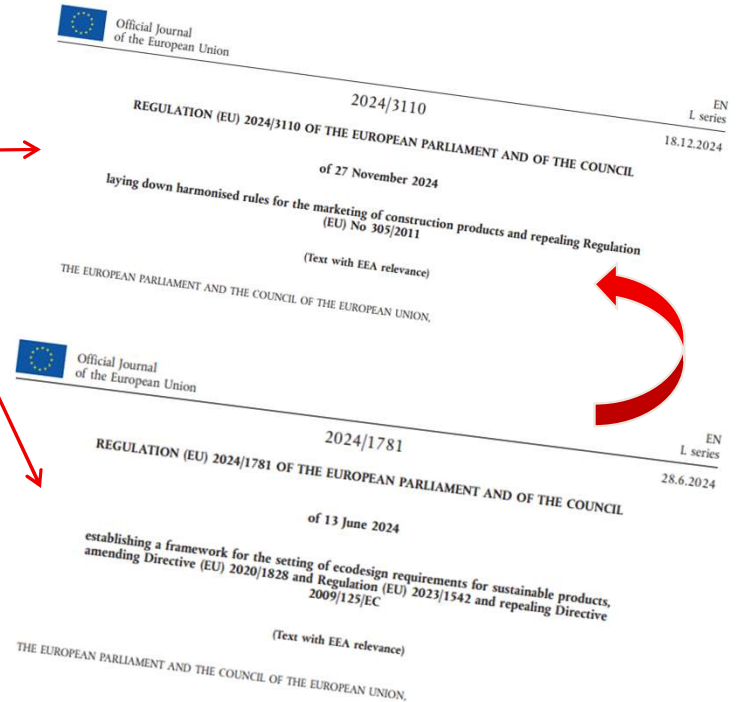
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3. Hvad så nu?

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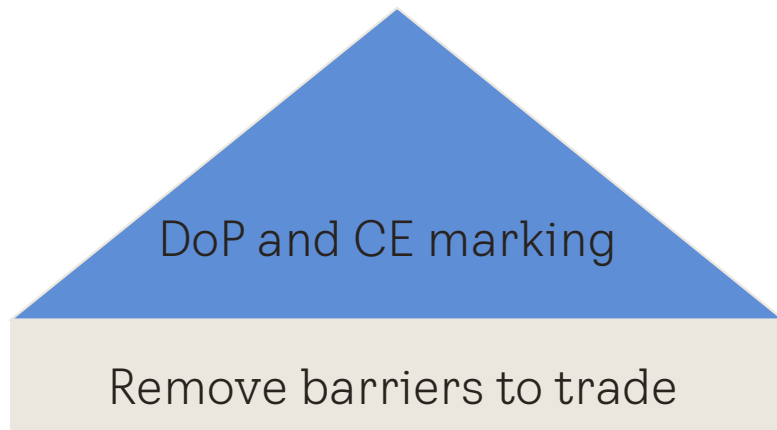
# CPR's rolle i den grønne omstilling

# CPR er en del af European Green Deal

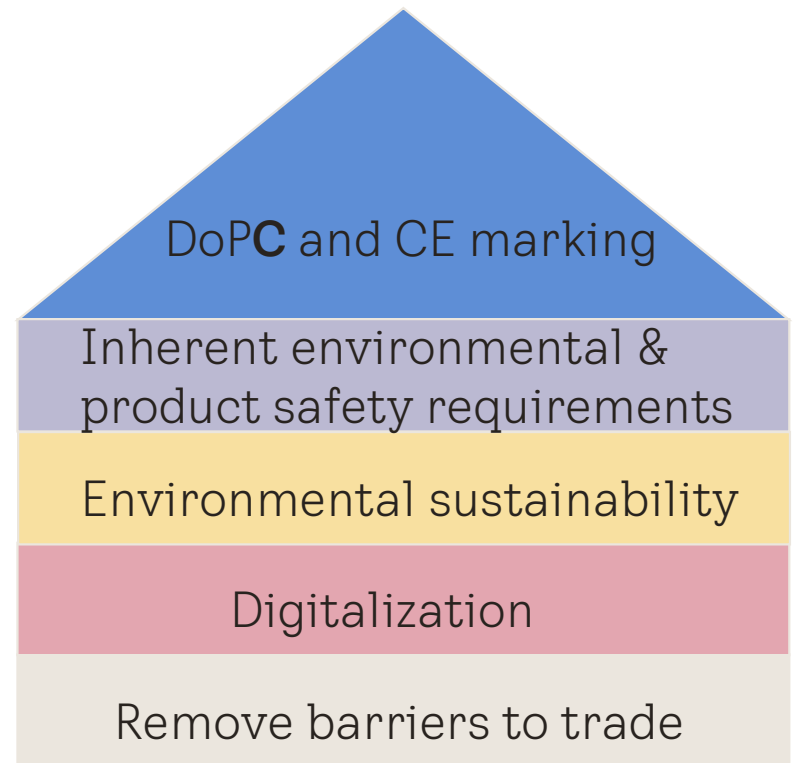


# Primære ændringer og deres betydning

# Formålet med den nye CPR er udvidet



“Old” CPR



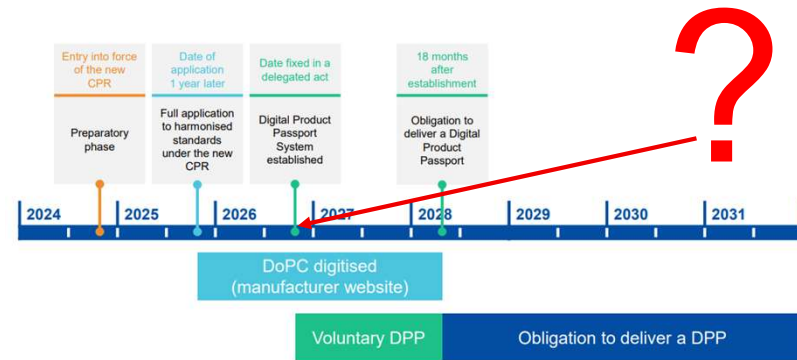
“New” CPR

# AI dokumentation skal digitaliseres og indgå i det Digitale Produktpas (DPP)

DPP registret (en form for telefonbog med links) – fra ESPR

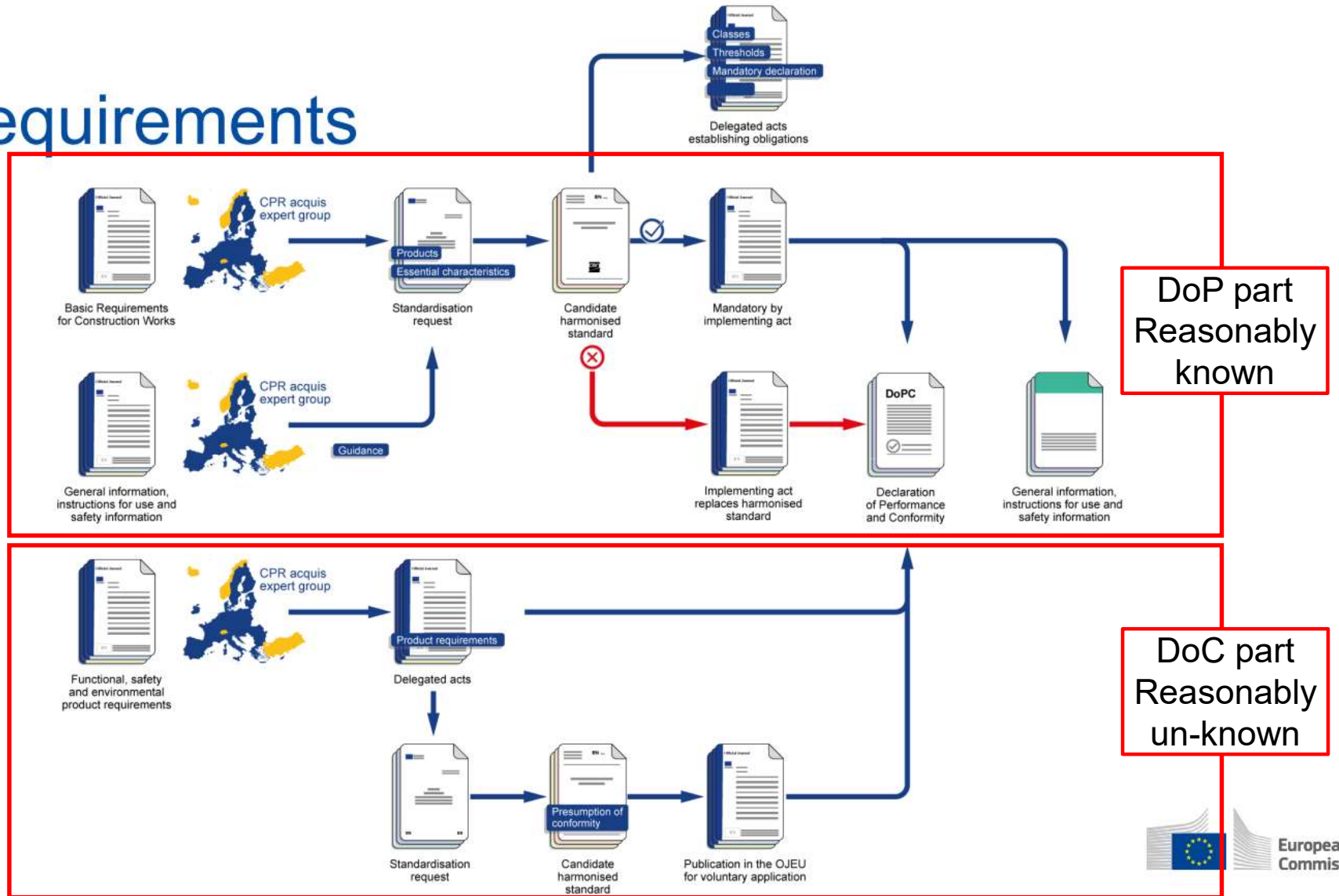
DPP systemet (med indhold vist) – specifikt for CPR

## DPP content





# Requirements



# CPR SCOPE

## Old CPR

### Declaration of Performance (DoP) within these areas

- ✓ Mechanical resistance & Stability
- ✓ Safety in case of fire
- ✓ Hygiene, Health, Environment
- ✓ Safety & accessibility in use
- ✓ Protection against noise
- ✓ Energy economy & heat retention
- Sustainable use of natural resources (never implemented)
  
- ✓ Factory Production Control
- ✓ Some paperwork

## New CPR

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### Declaration of Performance (DoP) within these areas

- ✓ Structural integrity of construction works
- ✓ Fire safety of construction works
- ✓ Protection against adverse hygiene and health impacts related to construction works
- ✓ Safety and accessibility of construction works
- ✓ Resistance to the passage of sound and acoustic properties of construction works
- ✓ Energy efficiency and thermal performance of construction works
- Emissions into the outdoor environment of construction works (New)
- Sustainable use of natural resources of construction works (New)

### Declaration of Conformity (DoC) = product requirements (NEW)

- Requirements ensuring appropriate functioning & performance (New)
- Inherent product safety requirements (New)
- Inherent product environmental requirements (New)
- More information, instructions for use and safety information (Partly new)
  
- ✓ Factory Production Control
- Some **more** paperwork (Partly new)

# Flere egenskaber bliver omfattet (eks. vinduer)

Group (BRCW)	Essential characteristic
fire safety (2)	resistance to fire (incl. fixed windows)
	clear opening height
	clear opening width
hygiene and health (3)	release of dangerous substances
safety and accessibility (4)	manual operating forces
	bond strength of bonded glazing
	child safety - opening restriction
	bullet resistance
	explosion resistance - shock tube
	explosion resistance - range test
	ventilation area at open position
thermal performance (6)	ventilation capacity of air transfer devices
	opaque area fraction
	environment(7 & 8)

**+ 14 egenskaber**

→ Liste med 39 egenskaber

# Environmental essential characteristics (EN15804)

a)	Climate change effects – total	}	From Date of Application (DoA)
b)	Climate change effects – fossil fuels		
c)	Climate change effects – biogenic		
d)	Climate change effects – land use and land use change		
e)	Ozone depletion	}	From 4 years after DoA
f)	Acidification potential		
g)	Eutrophication aquatic freshwater		
h)	Eutrophication aquatic marine		
i)	Eutrophication terrestrial		
j)	Photochemical ozone		
k)	Abiotic depletion – minerals, metals		
l)	Abiotic depletion – fossil fuels		
m)	Water use		
n)	Particulate matter		
o)	Ionising radiation, human health		
p)	Eco-toxicity, freshwater		
q)	Human toxicity, cancer		
r)	Human toxicity, non-cancer		
s)	Land use related impacts		

# Ud over egenskaberne listet i Annex II

## **1.reference service life**

- 2.climate change - total
- 3.climate change - fossil
- 4.climate change - biogenic
- 5.climate change - land use and land use change
- 6.ozone depletion
- 7.acidification
- 8.eutrophication aquatic freshwater
- 9.eutrophication aquatic marine
- 10.eutrophication terrestrial
- 11.photochemical ozone formation
- 12.depletion of abiotic resources - minerals and metals
- 13.depletion of abiotic resources - fossil fuels
- 14.water use
- 15.particulate matter emissions
- 16.ionising radiation, human health
- 17.ecotoxicity (freshwater)
- 18.human toxicity, cancer effects
- 19.human toxicity, non- cancer effects
- 20.land use related impacts / soil quality
- 21.use of renewable primary energy excluding renewable primary energy resources used as raw materials**

- 22.use of renewable primary energy resources used as raw materials**
- 23.total use of renewable primary energy resources (primary energy and primary energy resources used as raw materials)**
- 24.use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials**
- 25.use of non-renewable primary energy resources used as raw materials**
- 26.total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials)**
- 27.use of secondary material**
- 28.use of renewable secondary fuels**
- 29.use of non-renewable secondary fuels**
- 30.net use of fresh water**
- 31.hazardous waste disposed**
- 32.non-hazardous waste disposed**
- 33.radioactive waste disposed**
- 34.components for re-use**
- 35.materials for recycling**
- 36.materials for energy recovery**
- 37.exported energy**
- 38.biogenic carbon content in product**
- 39.biogenic carbon content in accompanying packaging**

# CPR SCOPE

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# PRODUCT ENVIRONMENTAL REQUIREMENTS

Products shall be designed, manufactured, and packaged in such a way that one or more of the following inherent product environmental aspects are, over the product's life cycle, addressed wherever possible without safety loss or outweighing negative environmental impact and to the extent not covered by other EU legislation:

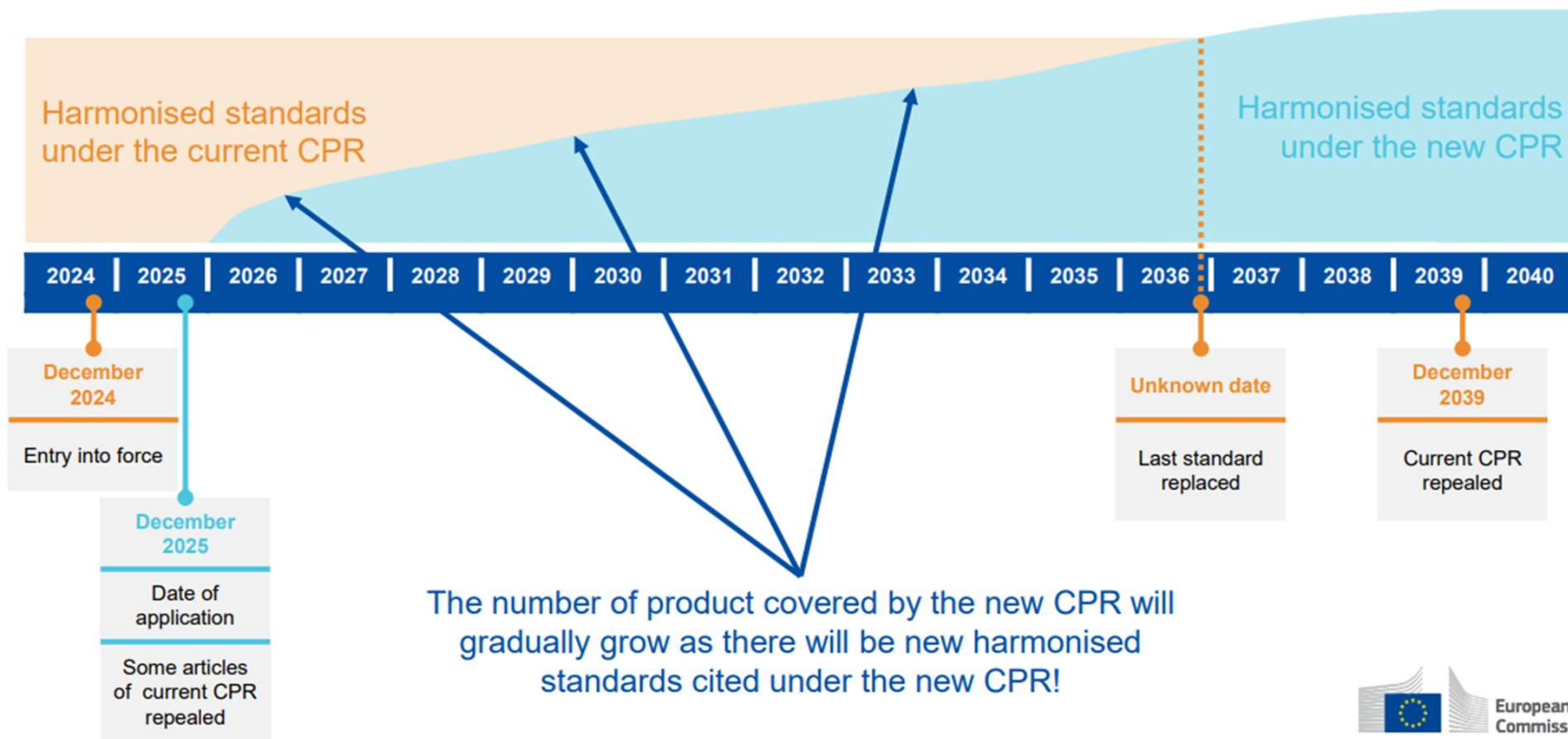
- What requirements and how to fulfill them will be specified in harmonized standards or common specifications

- This area constitutes the biggest uncertainty of the new CPR.
- It is very unclear how the requirements will be set up, what they will be, how they are assessed and when they are being implemented.

# Hvad så nu?



# Overgangen til ny CPR sker i takt med revisionen af harmoniserede standarder



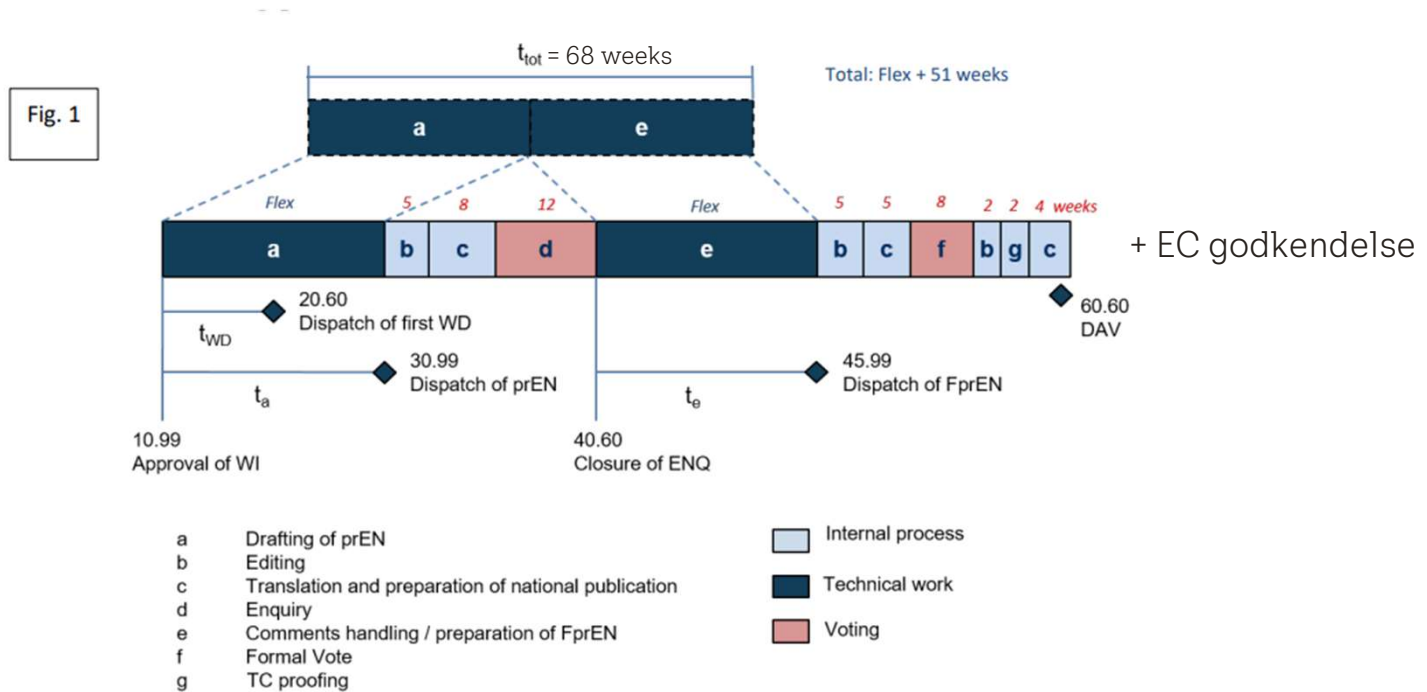
# Product families

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Horizontal subgroups	Standardisation request adopted	CPR Acquis ongoing work	CPR Acquis not started yet	Fast track ongoing	Priority
Fire	1 Precast normal/ lightweight/ autoclaved aerated concrete products 1	17 Masonry and related products - Masonry units, mortars, and ancillaries. 9	5 Structural bearings - Pins for structural joints 17	7 Gypsum products 25	6 Chimneys, flues and specific products 33
Dangerous substances	20 Structural metallic products and ancillaries 2	24 Aggregates 10	34 Building kits, units, and prefabricated elements 18	33 Fixings 26	32 Sealants for joints 34
Environmental sustainability	16 Reinforcing and prestressing steel for concrete - Post-tensioning kits 3	10 Fixed fire fighting equipment 11	21 Internal & external wall and ceiling finishes. Internal partition kits 19	3 Membranes, including liquid applied and kits 27	35 Fire stopping, sealing and protective products - Fire retardant products
	2 Doors, windows, shutters, gates and related building hardware 4	23 Road construction products 12	27 Space heating appliances 20	30 Flat glass, profiled glass and glass block products 28	29 Construction products in contact with water intended for human consumption
	15 Cement, building limes and other hydraulic binders 5	19 Floorings 13	22 Roof coverings, roof lights, roof windows, and ancillary products. roof kits 21	8 Geotextiles, geomembranes, and related products 29	36 Attached ladders
	4 Thermal insulation products - Composite insulating kits/systems 6	4 Thermal insulation products - Composite insulating kits/systems 14	12 Circulation fixtures: road equipment 22	11 Sanitary appliances 30	
	13 Structural timber products/elements and ancillaries 7	9 Curtain walling/cladding/structural sealant glazing 15	18 Wastewater engineering products 23	28 Pipes-tanks and ancillaries not in contact with water for human consumption 31	
	26 Products related to concrete, mortar and grout 8	14 Wood based panels and elements 16	25 Construction adhesives 24	31 Power, control and communication cables 32	



# Processen for udvikling af standarder 119 uger $\approx$ 2,5 år



# Hvad med “used products”?

Fra CPR:

*Article 2*

## **Scope**

1. This Regulation applies to construction products, including used products, and to the following items:

*Article 4*

## **Working plan and preparatory phase for the development of harmonised technical specifications**

6. The Commission, with the support of the CPR Acquis Expert Group, shall identify the product requirements referred to in Article 7, as well as other harmonised technical specifications, and shall determine whether used products are to be covered by or excluded from a standardisation request or a harmonised technical specification. The CPR Acquis Expert Group shall, as a matter of urgency, be consulted on notifications from Member States made in accordance with Article 11(5).

# Hvad med “used products”?

Eksempel fra draft standardization request for vinduer og døre:

## **2.1.3. Product group on external pedestrian doorsets**

### **(a) Scope**

External pedestrian doorsets are made of at least one door leaf and building hardware, either manually operated or power-operated, to be installed externally in walls as a part of the building envelope. External pedestrian doorsets may also include a door frame and other components such as side panel(s), flush over panel(s), transom panel(s), and glazing(s) and other infills installed within a single frame for inclusion in a single opening.

External pedestrian doorsets are installed to close, fully or partly, an opening and to provide passage mainly for pedestrians.

The scope shall also cover external pedestrian doorsets on escape routes, for fire compartmentation and smoke control, and for anti-violation purposes.

A power-operated device is defined by the functionality to open automatically upon receipt of an actuating signal being either mechanical, analogue or digital.

External pedestrian doorsets with bonded glazing are excluded from the scope.

**Reused products are excluded from the scope.**

## Opsummering

- Den nye CPR er del af European Green Deal → formålet udvides
- Den nye CPR indføres i takt med at harmoniserede standarder revideres
- Used products er ikke nødvendigvis omfattet fra start

**→ Lang vej endnu, men vi skal nok nå dertil**



The logo consists of the word "VELUX" in a bold, white, sans-serif font, set against a solid red rectangular background. A registered trademark symbol (®) is located at the top right of the word.

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Transforming Spaces

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