

European Standardization Organizations

# Webinar 'Harmonized standards under CPR'

CPR Acquis, Fast-track and standardization request development process

# Speakers



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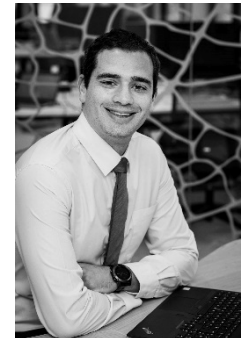
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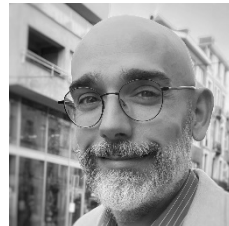
# Speakers



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# Speakers

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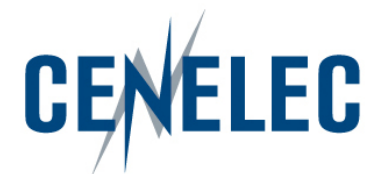
## **Anne MINNE**

Chair CEN/TC 129 - Glass in building

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1. Introduction
2. Routes for preparation of hENs under CPR
  1. Mandates, CPR Acquis and Fast-track
3. Coffee break
4. Standardization request development process
5. Tools to improve compliance of hENs under CPR
6. Q&A
7. Closure



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# Introduction

Alexandre Beltrão – Convenor CEN-CLC/BTWG 9 'Strategy for the construction sector'

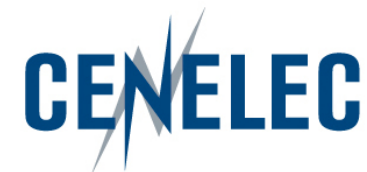
Christophe Sykes – Director General Construction Products Europe



1. CPR entered into force on the 1<sup>st</sup> of July 2013, replacing the CPD (Construction Production Directive)
2. CPR was never properly implemented - standards not cited
3. Stakeholders involved did not move away from CPD:
  1. The approach changed from the 'declaration of conformity' to the 'declaration of performance', but standards were not rewritten
  2. The state of the art and legal requirements from Member States on Basic Requirements of Construction Works evolved, **but the CPD mandates (from the 90's) were not updated (replaced by Standardization Requests)**

1. Process led by the European Commission to replace the old mandates
2. There are more than 30 mandates covering many product families, which will be dealt with following a priority list set by the Member States
3. This process will take a few years (mainly for the ones at the bottom of the list) but TC's will have the possibility to speed it up. **Take this opportunity!**





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## Routes for preparation of hENs under CPR - Mandates and CPR Acquis

Oscar Nieto – EC Policy Officer for construction

Domenico Tinto – EC Policy Officer for construction





# Harmonized standards under CPR: CPR Acquis, Fast-track and standardization request development process

29 June 2023

## **i. Routes for preparation of hENs under the CPR Mandates**

Oscar NIETO

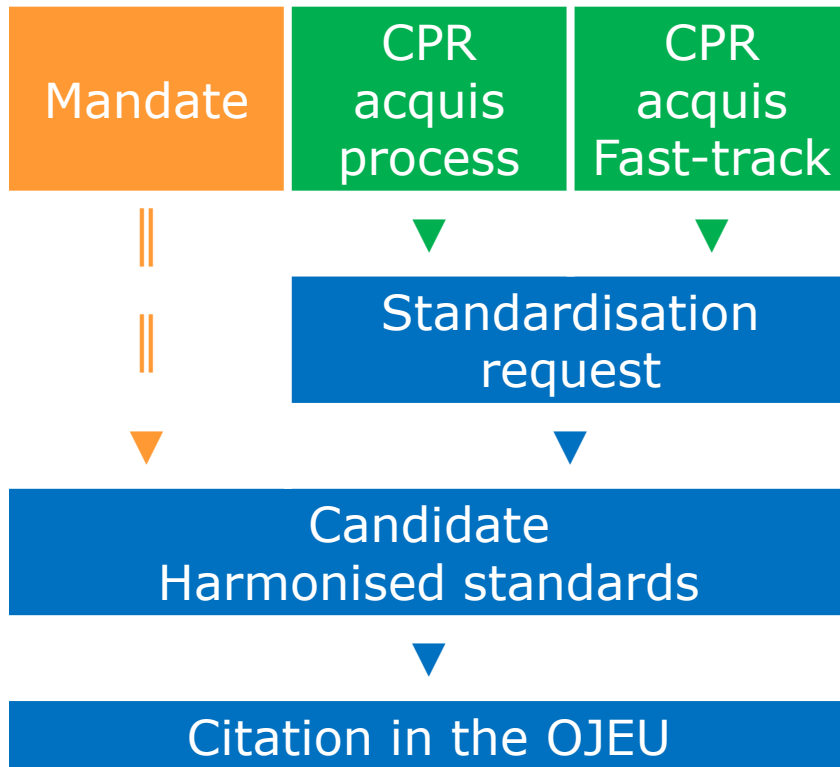
## **ii. CPR Acquis 'Normal Route'**

Domenico TINTO

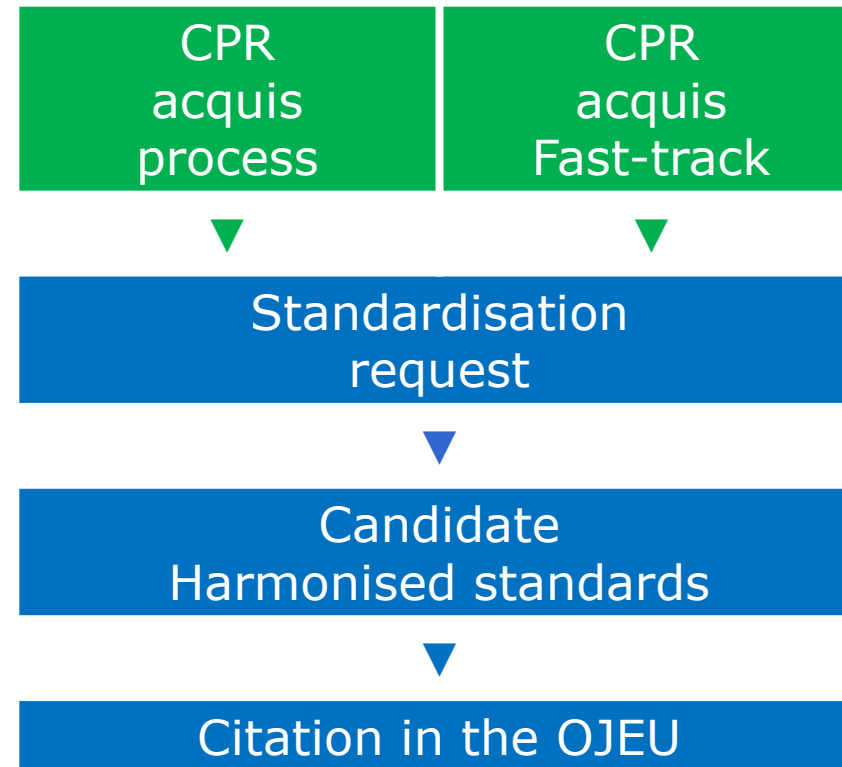
Unit H1 Construction  
DG GROW, European Commission

# Standardisation

## Current CPR

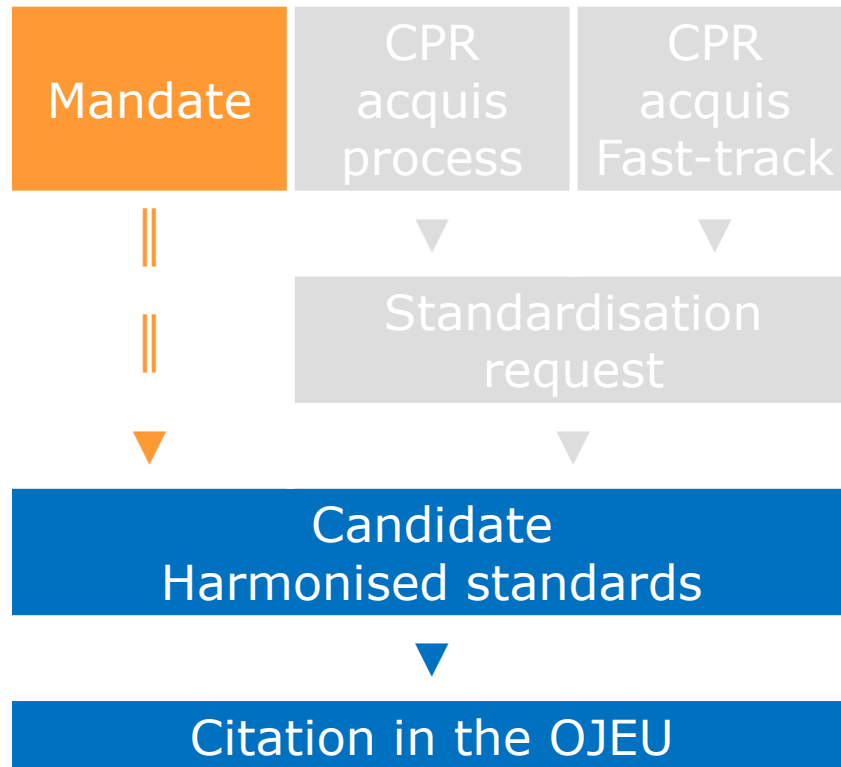


## New CPR



# Standardisation

## *Current CPR*

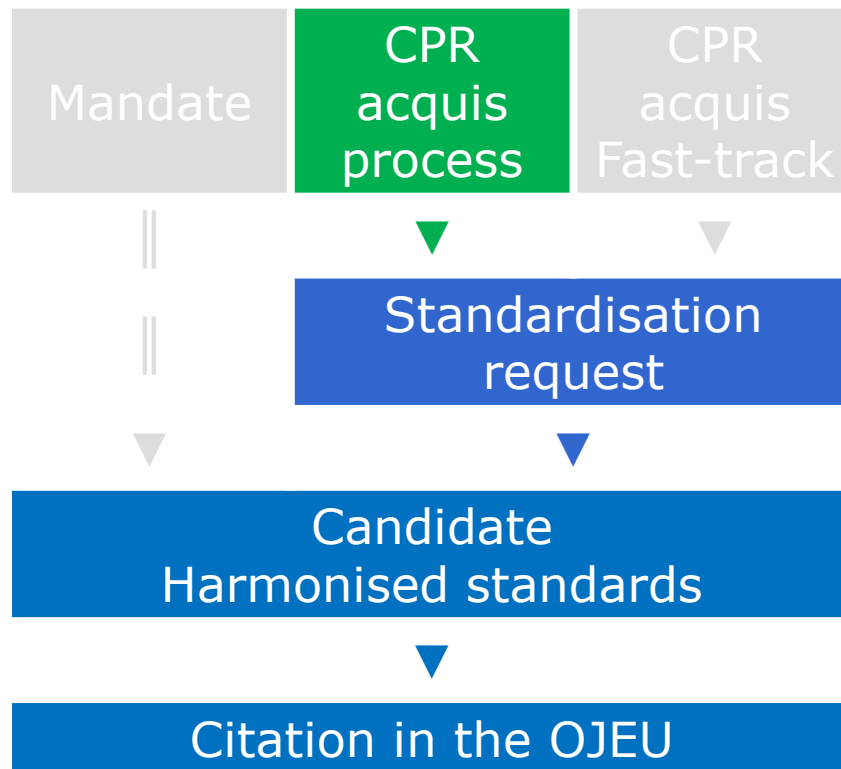


## *Extraordinary route*

1. Standard aligned to the original Mandate (answer to mandates not applicable)
2. Only applicable in extraordinary circumstances
3. May require adoption of delegated acts

# Standardisation

## Current CPR

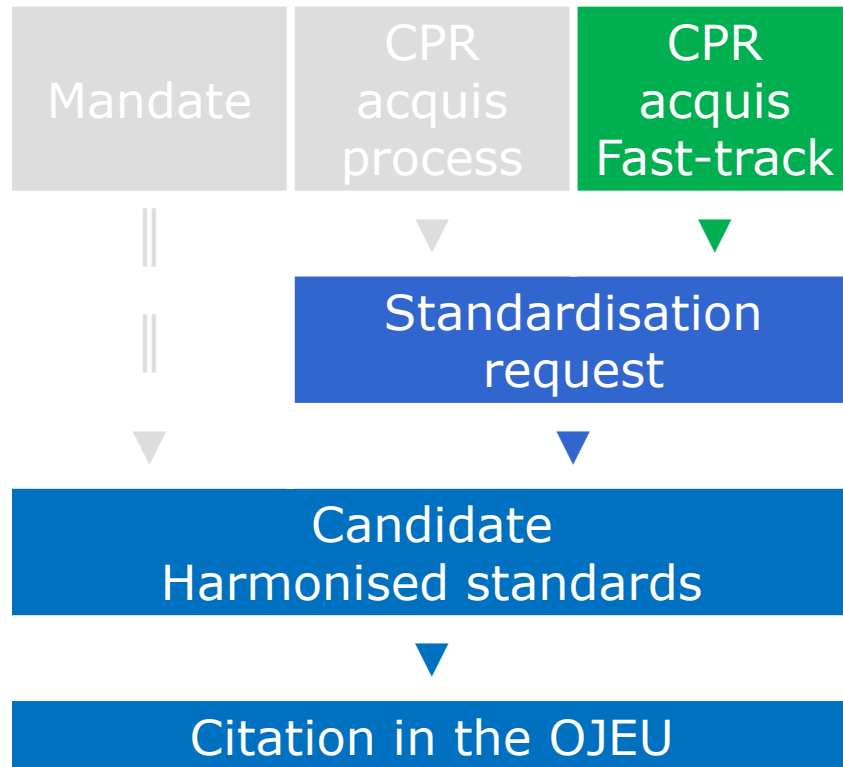


## Usual route

1. Commission coordination
2. Involvement of MS and industry in all the process
3. Long process
4. Limitations as regards the number of groups working in parallel

# Standardisation

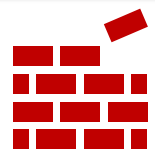
## Current CPR



## Fast-track route

1. CEN/Cenelec coordination
2. Involvement of MS in targeted consultations
3. Shorter process
4. Supporting role of the Commission is limited

# CPR Acquis process rationale



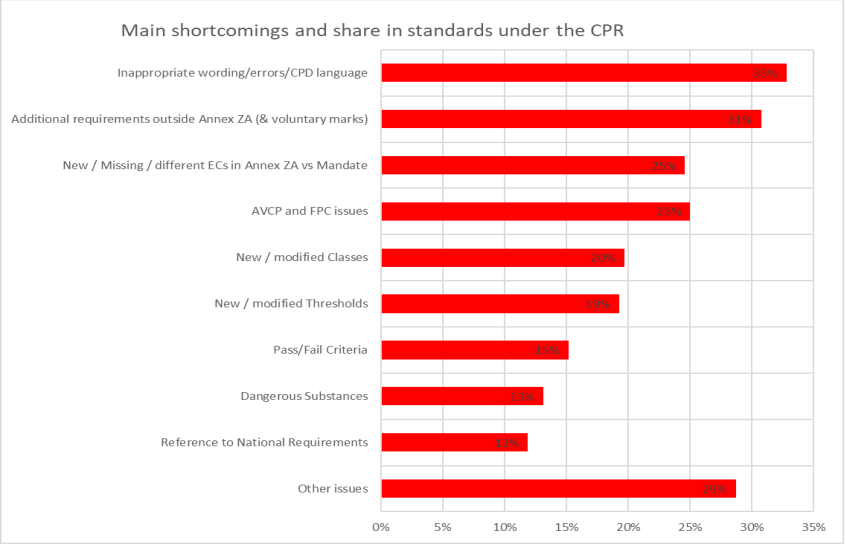
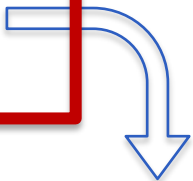
## CPR legal and technical requirements

- 1 EN cited since 2020
- 140 ENs rejected
- Many shortcomings in ENs
- Outdated mandates



## EU Green policies

- Nothing declared under BWR7
- Missing experts platform
- CPR shall support other EU initiatives on the construction ecosystem



# CPR Acquis process rationale

The core measure to tackle the current problems of the Construction Product sector is the revision of the CPR.

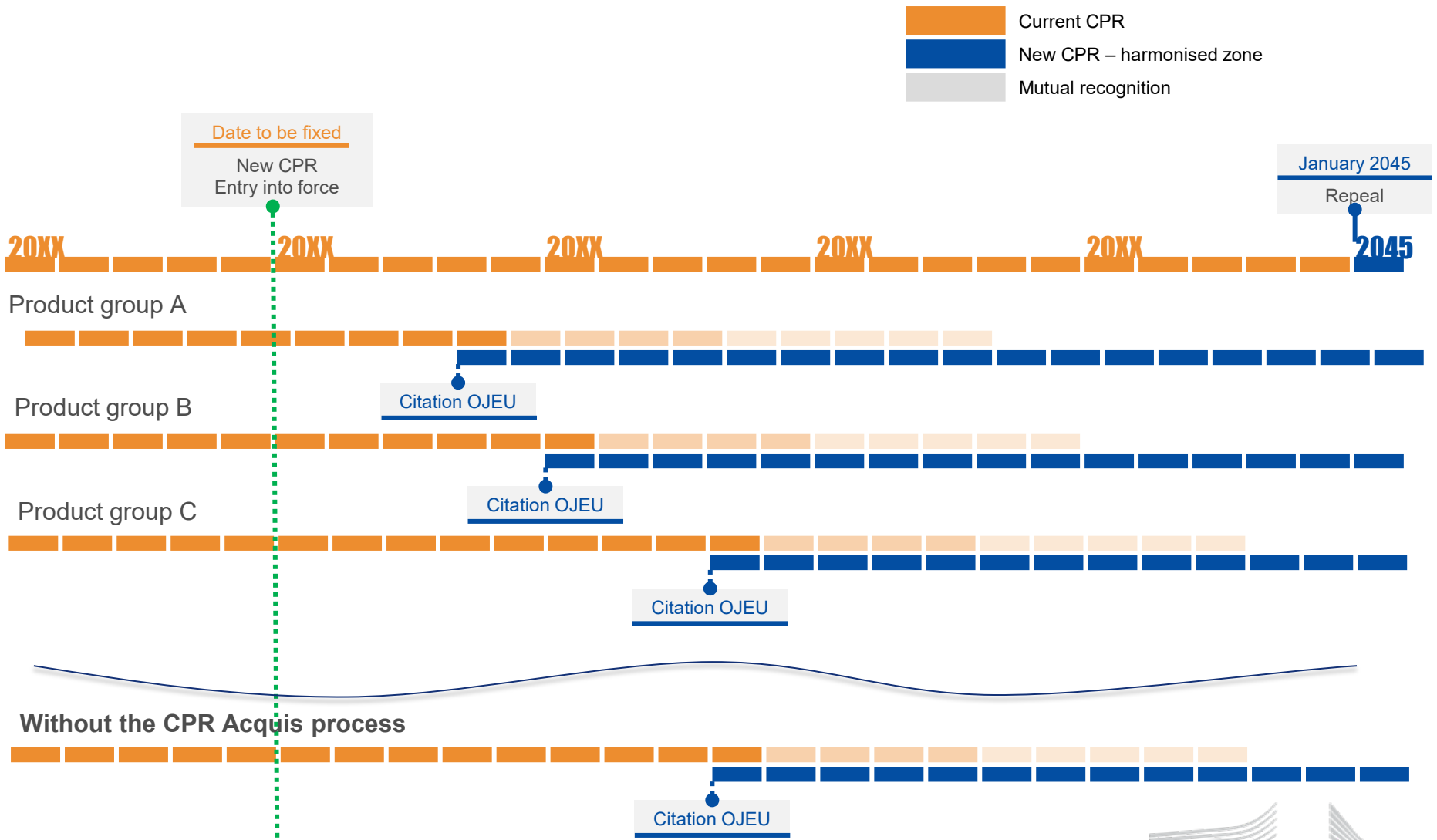
**The new CPR alone is not enough to tackle the problems on the ground.**

The CPR Acquis process complement the new CPR to close the gap with the past.

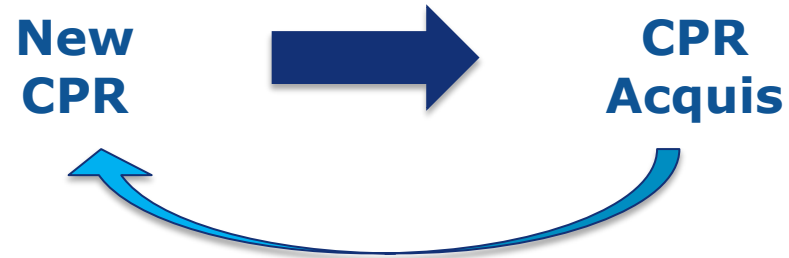




# CPR Technical Acquis and the new CPR: Timeline



## CPR Acquis and the new CPR



- *The provisions of the new CPR and its boundaries must be reflected in the works of the CPR Acquis process. Therefore, the CPR Acquis process must be flexible to integrate/discard technical aspects.*
- *Elements emerged in the context of the CPR Acquis process could be relevant for the new CPR. Therefore, the CPR Acquis process must highlight promptly any potential issue/resource for the future framework (new CPR + completed Acquis).*

## Main goal of the CPR Acquis process

**To ensure the highest quality for future technical specifications**, regardless of whether they still will be adopted under the current CPR or in the future CPR.

In the subgroups, the CPR Acquis process identifies the scope, essential characteristics, expression of test/assessment results, classes of performance and/or threshold levels, assessment methods, product inherent requirements, product information.

In the current CPR, the outcomes are processed for integration in new **Standardisation Requests**.

## Identification of priorities

Considering that not all >800 acts belonging to the Acquis can be revised at the same time, **we had to prioritize product families.**

After having identified **8 criteria** with Member States for the selection of product families to be targeted by future technical specifications, the work on the CPR Acquis has proceeded with the following steps:

- A first survey to value comparatively the 8 criteria;
- A second survey to value the importance of product families according to the 8 criteria;
- The combination of the results led to a clear priority list and thus (almost) to a consensus on what to do in which order.

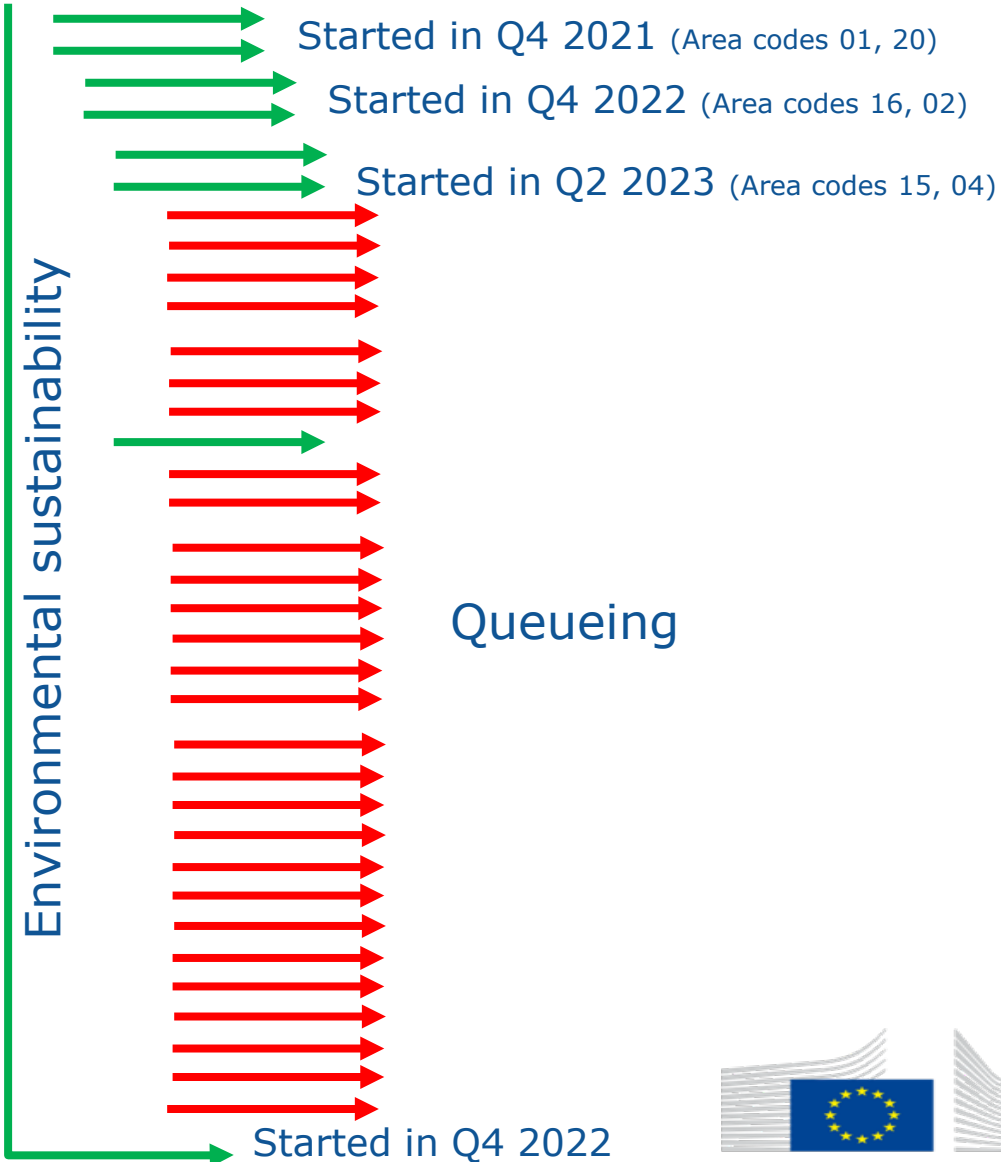


# Identification of priorities

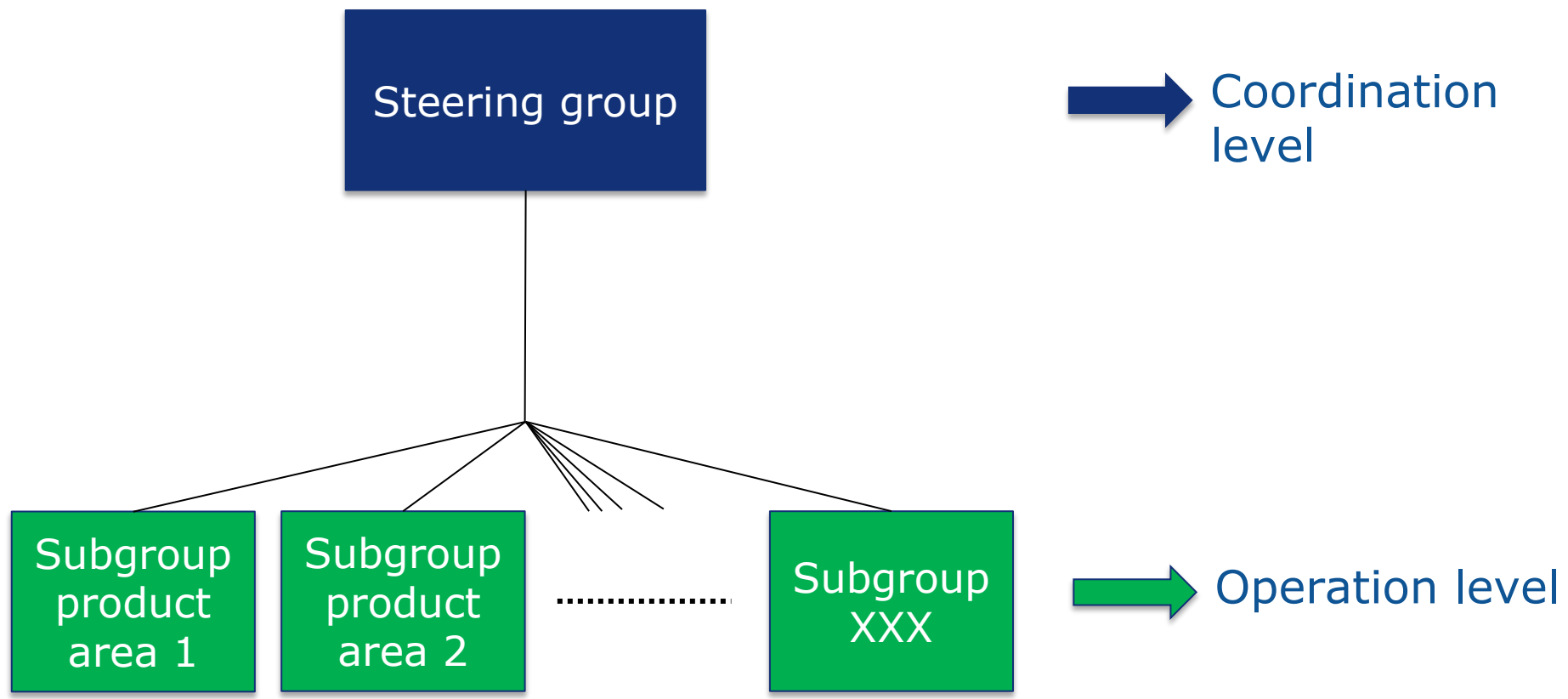
	criteria	points assigned in the survey on criteria	weight of the criterion
a)	Member States' regulatory needs	94.2	18.7%
b)	Safety issues related to the basic requirements for construction works	88.4	17.5%
c)	Inherent safety issues of the construction products	71.4	14.1%
d)	Environmental issues, including energy and sustainability	65.2	12.9%
e)	Size of the EU market in volume	32.2	6.4%
f)	Cross-border trade	46.6	9.2%
g)	Potential cross-border trade	34.6	6.9%
h)	Incompleteness or inexistence of harmonised standards	72.4	14.3%

# Product families and priorities

Rank	Product families	weighted points	share
1	M100 Precast concrete	47.28	6.85%
2	M120 Structural metallic	44.39	6.43%
3	M115 Reinforcing steel	40.67	5.89%
4	M101 Doors, windows	40.41	5.86%
5	M114 Cement	36.78	5.33%
6	M103 Thermal insulating	31.93	4.63%
7	M112 Structural timber	31.71	4.60%
8	M128 Concrete, mortar &	30.95	4.49%
9	M116 Masonry	28.88	4.19%
10	M125 Aggregates	25.88	3.75%
11	M109 Fixed fire fighting	22.61	3.28%
12	M124 Road construction	22.58	3.27%
13	M119 Floorings	22.55	3.27%
14	M489 ETICS	18.43	2.67%
15	M108 Curtain walling	18.10	2.62%
16	M113 Wood based panels	17.81	2.58%
17	M104 Structural bearings	15.99	2.32%
18	Kits and assembled products	15.75	2.28%
19	M121 Wall and ceiling finishes	14.95	2.17%
20	M129 Space heating	14.43	2.09%
21	M122 Roof coverings	13.65	1.98%
22	M111 Circulation fixtures	13.40	1.94%
23	M118 Waste water disposal	12.70	1.84%
24	M127 Adhesive	12.50	1.81%
25	M106 Gypsum	12.01	1.74%
26	Anchors and fasteners	11.77	1.71%
27	M102 Membranes	11.44	1.66%
28	M135 Glass	11.42	1.65%
29	M107 Geotextiles	10.15	1.47%
30	M110 Sanitary appliances	9.41	1.36%
31	M131 Pipes, tanks not in	9.01	1.31%
32	M443 power, control and	8.98	1.30%
33	M105 Chimney	7.55	1.09%
34	M474 Sealants for non-	3.90	0.57%
	TOT points	689.97	



# Governance CPR Acquis process



We foresee the creation of 36 sub-groups corresponding to the product areas identified by Annex IV to the CPR + up to 5 thematic sub-groups.

# Detailed tasks of the subgroups

Product Area # 4 Task Name	2023						2024								
	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08
Milestone I – scope of product area															
– List of products (materials)	█	█	█	█											
– List of forms		█	█	█											
– List of intended uses		█	█	█											
– List of other components of composite kits/systems	█	█	█	█											
Milestone II – creation of tech. boards															
– Working plan				█	█	█									
– Definition of technical boards				█	█	█									
– Attribution of experts				█	█	█									
Milestone III – content of HTS															
– a.1 BWRs & essential characteristics							█	█	█	█	█				
– a.2 Classes and thresholds							█	█	█	█	█				
– a.3 Assessment methods							█	█	█	█	█				
– a.4 Maintaining performances											█				
– b.1 Environmental performance												█	█	█	
– c.1 Functional requirements												█	█	█	
– d.1 Inherent safety requirements												█	█	█	
– d.2 Inherent env. requirements												█	█	█	
– e.1-4 Information requirements														█	█
– f.1 Possible conflicts														█	█
– g.1 Simplified procedures														█	█
Milestone IV – Final consultation and evaluation															
– Evaluation of the outcomes												█	█	█	█
– Draft of reporting outputs												█	█	█	█
– Consultation												█	█	█	█
– Adoption of the outcomes												█	█	█	█

Gantt chart of subgroup 4: "Thermal insulation products. Composite insulating kits/systems"



## Working tools and guidance

- *Rules of Procedure and working arrangements;*\*
- *CPR Acquis guidance;*
- *Work programs of the subgroups;*
- *Teams.*\*

\* *Not relevant for the fast track route.*

# CPR Acquis next steps

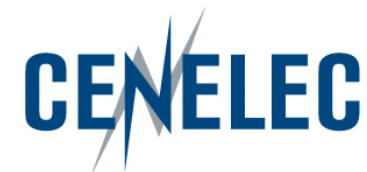
Year	2021			2022												2023												2024																				
Quarter	Q4			Q1			Q2			Q3			Q4			Q1			Q2			Q3			Q4																							
Task name / month	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	7	8	9									
Area code 01 (Precast concrete products)	[Blue shaded]												[Light blue arrow pointing right]																																			
Area code 20 (Structural metallic products)	[Grey shaded]												[Dark grey arrow pointing right]																																			
Area code 16 (Reinforcing/prestressing steel)																																																
Area code 02 (Doors, Windows, Shutters, ...)																																																
Area code 15 (Cement, building limes...)																																																
Area code 04 (Thermal insulating products and kits)																																																
Environmental sustainability																																																
Fast Track route																																																
Product area X																																																
Product area Y																																																
Product area Z																																																



**Thank you!**

More info?

<https://single-market-economy.ec.europa.eu/sectors/construction/construction-products-regulation-cpr/>



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# Routes for preparation of hENs under CPR - Fast-track

Pavlina Karagianni – CEN and CENELEC Project Manager

Anne Minne – Chair CEN/TC 129 'Glass in Building'



- ▶ **Goal of fast-track route:** to assist TCs that normally would need to wait many years for their turn in the priority list of the CPR-acquis
- ▶ **TCs** will replace the corresponding SG of the CPR Acquis and be **responsible for conducting the technical work**, including organizing and coordinating the work without the EC lead and coordination
- ▶ TCs to provide all the necessary input to EC in a **tight timeframe** (approx. 12 months), including release of dangerous substances and environmental sustainability

# Fast-track route

- ▶ TC delivers the work in line with the **milestones I and III** of the CPR Acquis within a defined timeframe
- ▶ TC follows the CPR Acquis **guidance and templates** prepared by the EC
- ▶ **Steering Group** of the CPR Acquis will provide comments, supervise and **approve** the final milestones

**1 Scope**

This document provides inputs to the CPR acquis group about the content of the high-level structure of harmonized technical specifications related to **product group covered according to Table A.1 – describe any extension or limitation to the product group described (see foreword)**.

This document provides inputs to the CPR acquis group about the content of the high-level structure of harmonized technical specifications related to the product area of “precast normal/lightweight/autoclaved aerated concrete products” - PCP

This document provides inputs related to the definition of the scope of the product area. This outcome is identified as milestone I according to the CPR acquis general structure.

**The scope defined in milestone I renews entirely the scope of Mandate XX./The scope defined in milestone I renews only part of the scope of Mandate XX.**

**The scope defined in Milestone I does not extend the scope of Mandate XX./The scope defined in Milestone I extends the scope of Mandate XX (e.g., by introducing new products or/and intended uses).**

This document also provides inputs related to the essential characteristics, assessment methods, classes of performance, threshold levels, requirements, and information needs. This outcome is identified as milestone III according to the CPR acquis general structure.

**2 Milestone I**

**2.1 List of products**

Description of the products  
This product group covers concrete used:

- Family I normal
- Family II lightweight
- Family III autoclaved aerated

Description of the products  
If the products are covered by the CPR Acquis  
Products in Table 1 are:

Products	Family
Balcony elements	I

**3. Fast-track route: simplified instructions for TCs**

TCs shall follow the steps in the Table below when following the fast-track process. The description of Case 1 and Case 2 is presented in section 2.2.

Fast-track instructions	
	TCs
	Case A (Recommended)      Case B
1	TC(s) submit a request to CCMC, who will present it to the EC. The request will include the following: (a) TCs to be involved (if more than one) based on the product <u>family</u> . (b) A time schedule that includes defined deadlines for relevant steps involved in delivering Milestones I and III. (c) Information on whether the TC is interested in renewing the whole scope of the mandate without extending its scope (Case A) or if the TC is interested in renewing only part of the old mandate or in extending the scope of the old mandate (Case B) and justification for the choice.
2	TCs are advised to create a dedicated folder for the fast-track in CEN documents and assess the need to create a working/ad-hoc group to coordinate and organise inputs;
3	TCs to assess the need to develop/revise a Product Category Rules (PCRs) based on EN 15804 and contact CEN/TC 350 to inform about the standards of concern. They shall liaise with CEN/TC 350 to apply the workflow and templates of CEN/TC 350 when developing complementary PCRs and to ensure alignment with EN 15804;

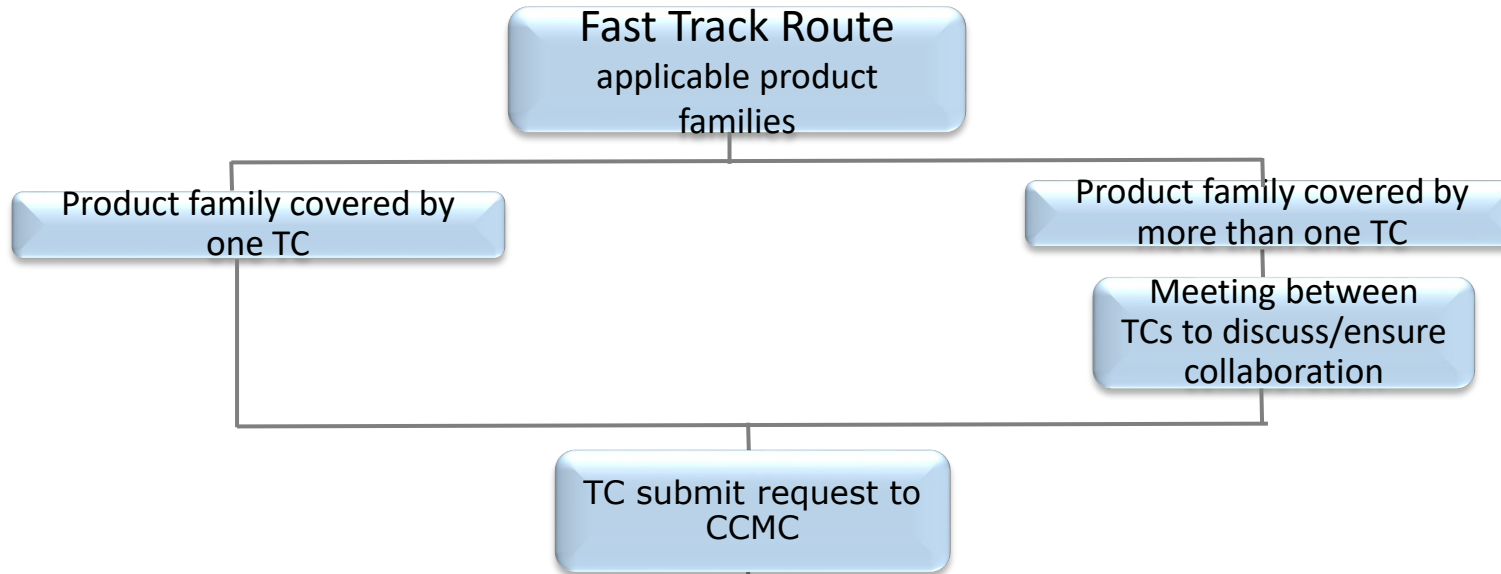
# List of product families for which the fast-track route can be considered



- ▶ **Product families** that have been **identified by EC**, as the ones for which the regulatory interest of the Member States is moderate or even negligible
- ▶ There is **no priority order!**

Rank	Product families	weighted points – all 8 criteria
11	M109 Fixed fire fighting equipment	22.61
15	M108 Curtain walling	18.10
16	M113 Wood based panels	17.81
17	M104 Structural bearings	15.99
18	Kits and assembled products of the families above	15.75
19	M121 Wall and ceiling finishes	14.95
20	M129 Space heating appliances	14.43
21	M122 Roof coverings	13.65
22	M111 Circulation fixtures	13.40
23	M118 Waste water disposal	12.70
24	M127 Adhesive	12.50
25	M106 Gypsum	12.01
26	Anchors and fasteners	11.77
27	M102 Membranes	11.44
28	M135 Glass	11.42
29	M107 Geotextiles	10.15
30	M110 Sanitary appliances	9.41
31	M131 Pipes, tanks not in contact with DW	9.01
32	M443 power, control and communication cables	8.98
33	M105 Chimney	7.55
34	M474 Sealants for non-structural use in joints in buildings and pedestrian walkways	3.90

# Fast-track route: Steps

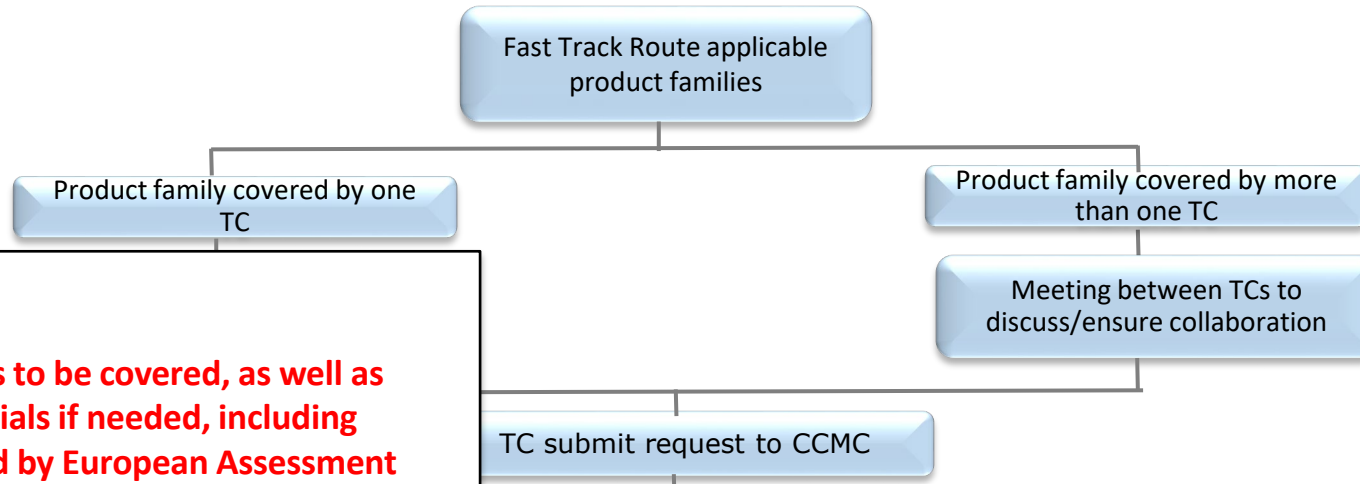


## Request to include:

- (a) TCs to be involved (if more than one)
- (b) A time schedule that includes defined deadlines for relevant steps involved in delivering Milestones I and III
- (c) Information on whether the TC(s) is interested in renewing the whole scope of the mandate without extending its scope or if the TC is interested in renewing only part of the old mandate or in extending the scope of the old mandate



# Fast-track route: Steps



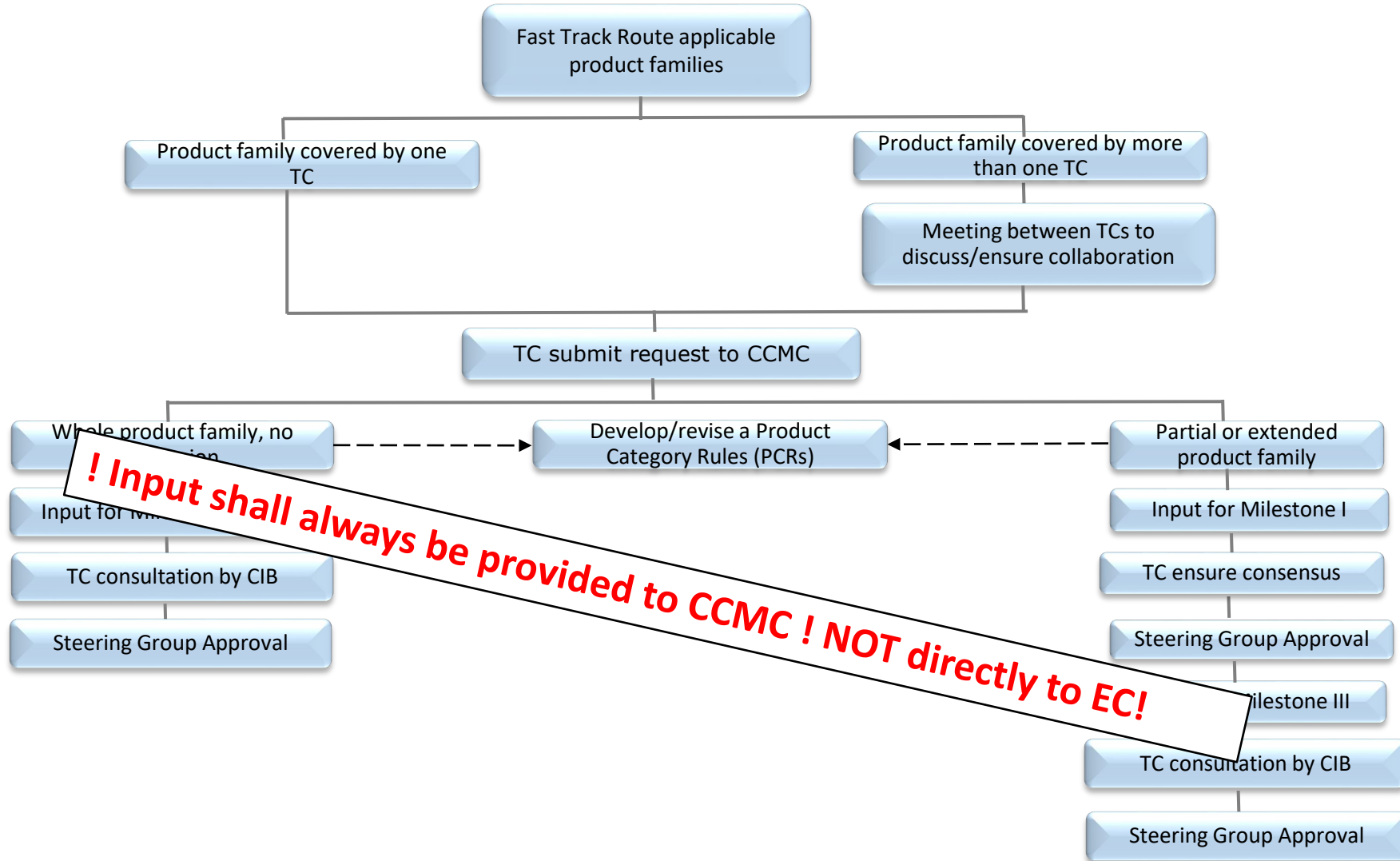
## Milestone I:

- identify products to be covered, as well as forms and materials if needed, including products covered by European Assessment Documents
- specify the intended uses

## Milestone III:

- list of essential characteristics. *! Release of dangerous substances and environmental sustainability (e.g. characteristics, scenarios and functional/declared unit)!*
- identify the assessment method per essential characteristic
- identification of way to declare performance of construction products in relation to each essential characteristic. Identification of classes/threshold of performance
- identify the requirements related to the product including inherent requirements and information requirements. In particular when included in previous hENs and are not performance based (if no requirements are identified , template not to be filled).

# Fast-track route: Steps



# Fast track procedure for Glass in building

Anne Minne – 29-06-2023

Chair of CEN/TC 129 - 'Glass in Building'



# The glass sector in short

## EU FLAT GLASS INDUSTRY



10 Mt PRODUCTION



>15 BILLION € TURNOVER



>1000 COMPANIES



110.000 JOBS



90% EU RAW MATERIAL



80% BUILDINGS

5% SOLAR AND OTHER

15% AUTOMOTIVE

# Float glass melting in the European Union

**60 float glass installations**  
in the European Union

**6 float glass producers**



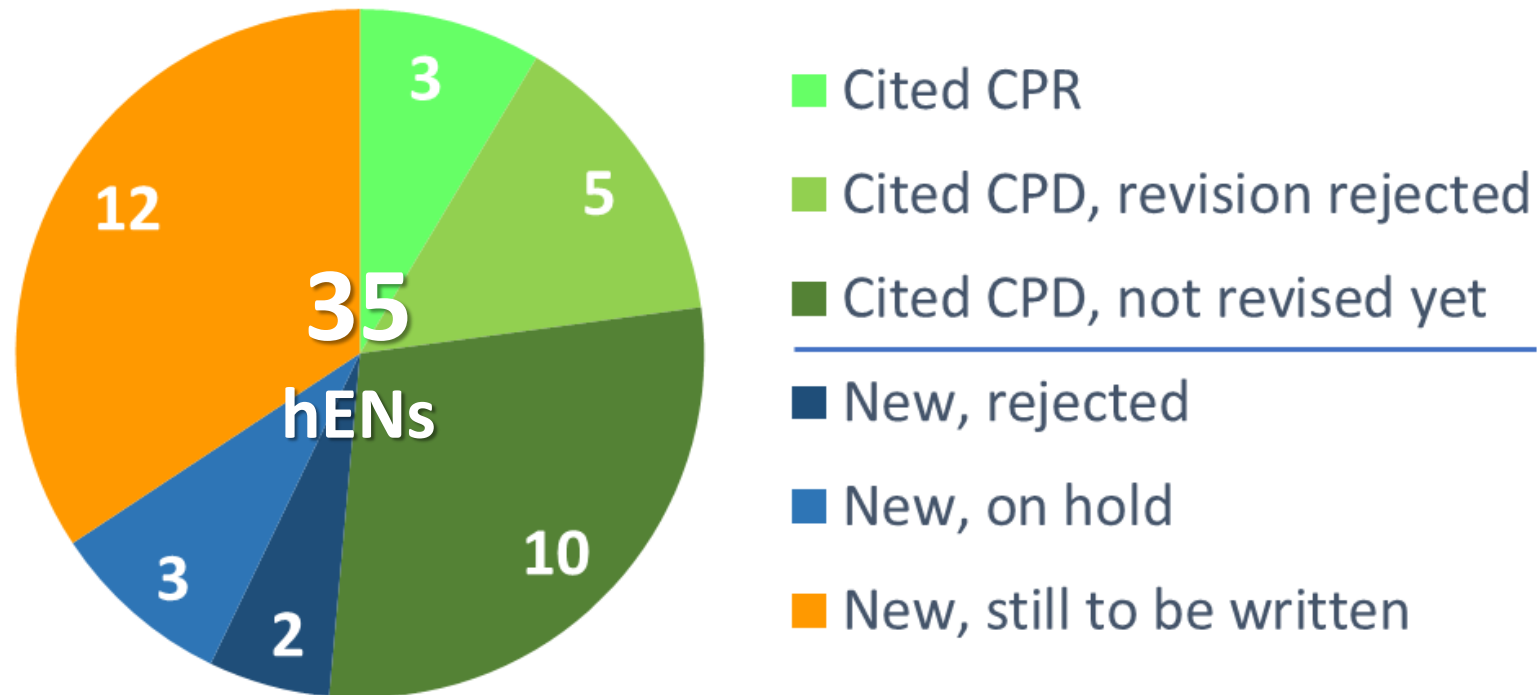
# CEN/TC 129 - Glass in building

- ▶ 18 active working groups
- ▶ 85 published standards, among them 18 hENs

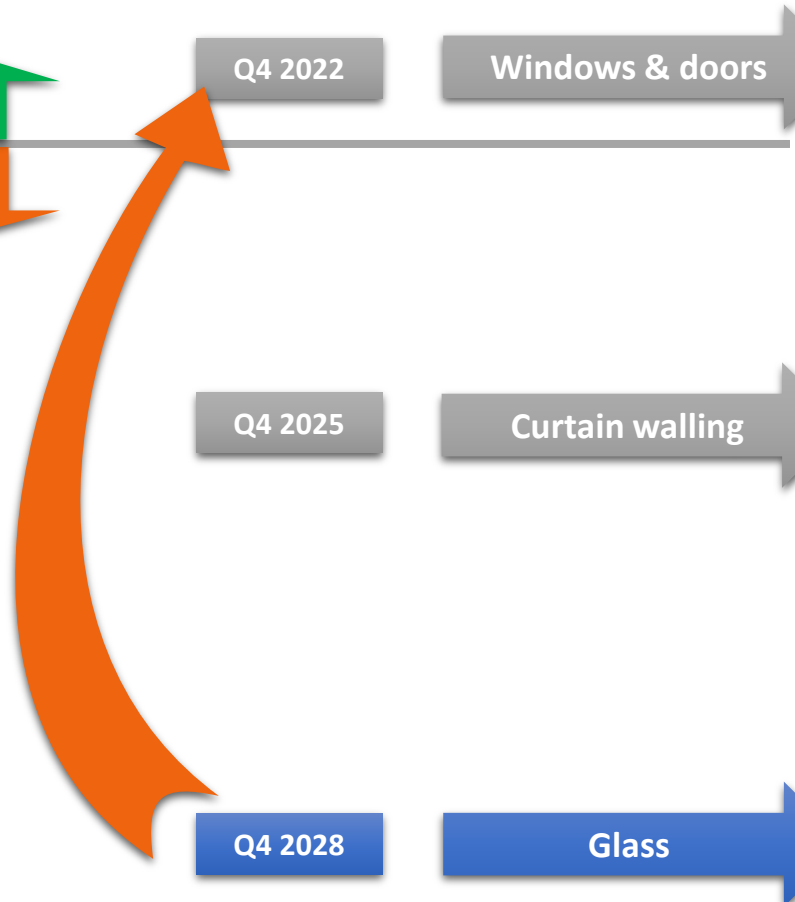
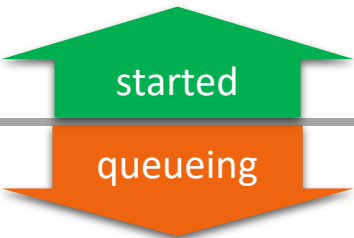


# CEN/TC 129: harmonised standards

- ▶ Only 3 hENs on 18 cited are under the CPR
- ▶ 5 revised and 2 new hENs were submitted for citation, but rejected
- ▶ 15 future hENs and 10 revisions are on hold



# CPR-Acquis: schedule and priorities



*Problem!*

Rank	Product families
1	M100 Precast concrete
2	M120 Structural metallic
3	M115 Reinforcing steel
4	M101 Doors, windows
5	M114 Cement
6	M103 Thermal insulating
7	M112 Structural timber
8	M128 Concrete, mortar &
9	M116 Masonry
10	M125 Aggregates
11	M109 Fixed fire fighting
12	M124 Road construction
13	M119 Floorings
14	M489 ETICS
15	M108 Curtain walling
16	M113 Wood based panels
17	M104 Structural bearings
18	Kits and assembled products
19	M121 Wall and ceiling finishes
20	M129 Space heating
21	M122 Roof coverings
22	M111 Circulation fixtures
23	M118 Waste water disposal
24	M127 Adhesive
25	M106 Gypsum
26	Anchors and fasteners
27	M102 Membranes
28	M135 Glass
29	M107 Geotextiles
30	M110 Sanitary appliances
31	M131 Pipes, tanks not in
32	M443 power, control and
33	M105 Chimney
34	M474 Sealants for non-
	TOT points

Glass is priority # 28  
 There will be 6 years  
 between our main  
 clients and us !

■ high relevance  
■ medium relevance  
■ low relevance



## Example 1: EN 14179-2, heat soaked thermally toughened glass

- ▶ Harmonised standard cited in 2006
- ▶ Contains a dated reference to EN 14179-1:2005. But this standard has been revised in 2016.
- ▶ As the reference is dated in the hEN, version of 2016 cannot be used
- ▶ Problem: 3 national regulations explicitly request EN 14179-1:2016  
➔ **Conflict between national regulations and CE-marking !**

## Example 2: EN 14449, laminated glass & laminated safety glass

- ▶ Harmonised standard cited in 2006
- ▶ Contains dated references to EN ISO 12543 series published in 1998
- ▶ EN ISO 12543 series (test methods) has been revised twice already  
➔ **For CE-marking: obligation to use the obsolete version of 1998!**

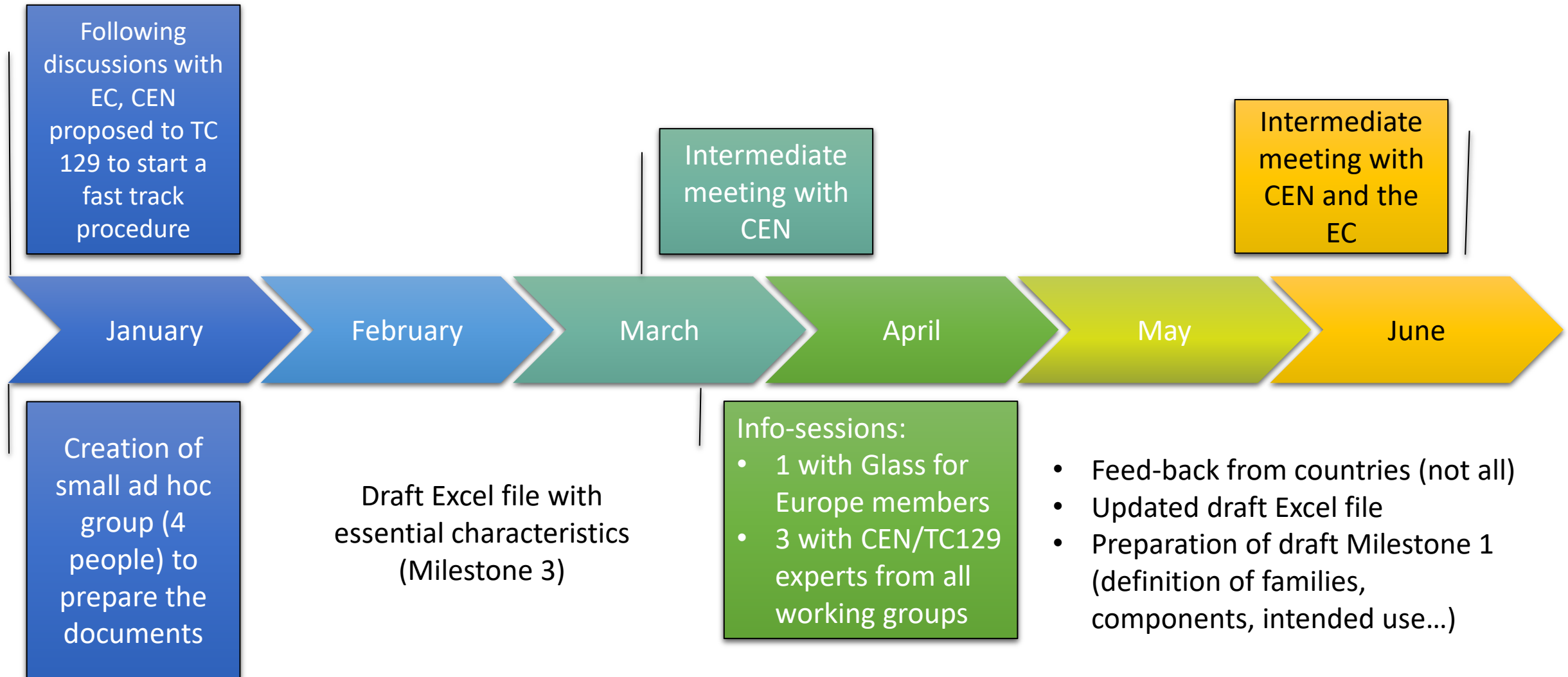
## Opportunities:

- ▶ Possibility to use up-to-date standards more quickly;
- ▶ Possibility to complete the set of hENs needed by the sector;
- ▶ Solve contradictions between national regulations and CE-marking;
- ▶ Glass will be aligned with its major customers (windows, doors and curtain walls) when the new CPR will be in force;
- ▶ Will keep experts in the working groups (no loss of expertise)

## Threats:

- ▶ Risk to miss some national requirements (countries not active in TC)
- ▶ Timeframe shorter than for CPR-Acquis → need good organisation
- ▶ Risk to misunderstand what is expected → future guidance welcome!

# What CEN/TC129 has done so far



# How does the draft Excel file look like



Family A - Products:	harmonised standards cited in the OJEU	standards not harmonised or draft or EAD	BRCW 2			BRCW 4					
			Resistance to fire	Reaction to fire	external fire performance (for roof covering) Discard	Bullet resistance	Explosion resistance	Burglar resistance	Pendulum body impact resistance	NEW Shatter properties	Characteristic bending strength
<b>AVCP System</b>			<b>1</b>	<b>3, 4</b>	<b>3, 4</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3, 4</b>
Laminated glass and laminated safety glass	EN 14449:2005/AC:2005		EN 13501-2 EN 15998 Possible classes: E20 E30 E60 E90 E120 E115 E120 E130 E145 E160 E190 E1120 E180 E1240 EW20 EW30 EW60 EW90 EW120	EN 13501-1 possible classes: A1, A2, B, C, D, E additional possible classifications: s1, s2, s3; d0, d1, d2 EXAP	EN 13501-5 Note: never tested, never declared	EN 1063 possible classes: BR1-S, BR2-S, BR3-S, BR4-S, BR5-S, BR6-S, BR7-S, SG1-S, SG2-S, BR1-NS, BR2-NS, BR3-NS, BR4-NS, BR5-NS, BR6-NS, BR7-NS, SG1-NS, SG2-NS,	EN 13541 Possible classes: ER1 ER2 ER3 ER4	EN 356 Possible classes: P1A P2A P3A P4A P5A P6B P7B P8B	EN 12600 possible classes: 3(B)3, 2(B)2, 1(B)1	NPD	Derived from components
BIPV laminated glass (in liaison with CENELEC TC/82)	EN IEC 61730-1, EN IEC 61730-2, EN 14449	EN 50583-1, EN 50583-2	NPD ?	EN 13501-1 possible classes: A1, A2, B, C, D, E additional possible classifications: s1, s2, s3; d0, d1, d2 EXAP	EN 13501-5 Note: never tested, never declared	EN 1063 possible classes: BR1-S, BR2-S, BR3-S, BR4-S, BR5-S, BR6-S, BR7-S, SG1-S, SG2-S, BR1-NS, BR2-NS, BR3-NS, BR4-NS, BR5-NS, BR6-NS, BR7-NS, SG1-NS, SG2-NS,	EN 13541 Possible classes: ER1 ER2 ER3 ER4	EN 356 Possible classes: P1A P2A P3A P4A P5A P6B P7B P8B	EN 12600 possible classes: 3(B)3, 2(B)2, 1(B)1	NPD	Derived from components
Insulating glass unit	EN 1279-5:2018		EN 13501-2 EN 15998 Possible classes: E20 E30 E60 E90 E120 E115 E120 E130 E145 E160 E190 E1120 E180 E1240 EW20 EW30 EW60 EW90 EW120	EN 13501-1 possible classes: A1, A2, B, C, D, E additional possible classifications: s1, s2, s3; d0, d1, d2 EXAP	EN 13501-5 Note: never tested, never declared	EN 1063 possible classes: BR1-S, BR2-S, BR3-S, BR4-S, BR5-S, BR6-S, BR7-S, SG1-S, SG2-S, BR1-NS, BR2-NS, BR3-NS, BR4-NS, BR5-NS, BR6-NS, BR7-NS, SG1-NS, SG2-NS, tested either as IGU or class derived from component	EN 13541 Possible classes: ER1 ER2 ER3 ER4 tested either as IGU or class derived from component	EN 356 Possible classes: P1A P2A P3A P4A P5A P6B P7B P8B tested either as IGU or class derived from component	EN 12600 from components	Derived from components	Derived from components
Vacuum insulating glass		EAD 300021-00-0404	EN 13501-2 EN 15998	EN 13501-1 A1 Decisions 96/603/EC & 2000/605/EC	EN 13501-5 Note: never tested, never declared	NPD	NPD	NPD	FDIS 19916-4	Derived from components	EAD -> EN 1288-3

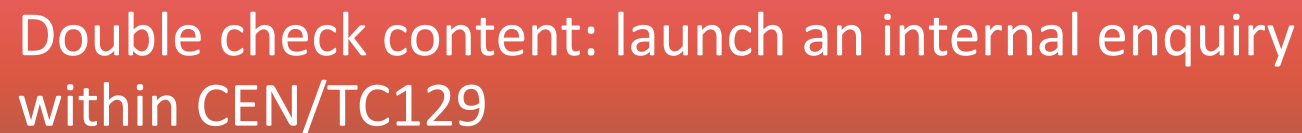
# Next steps



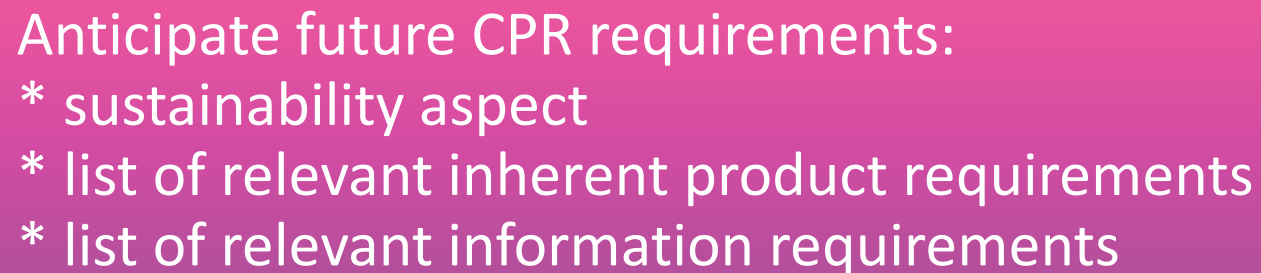
Improve documents from Milestones 1 and 3 according to comments from EC and CEN



Check content: national contact points



Double check content: launch an internal enquiry within CEN/TC129



Anticipate future CPR requirements:

- \* sustainability aspect
- \* list of relevant inherent product requirements
- \* list of relevant information requirements

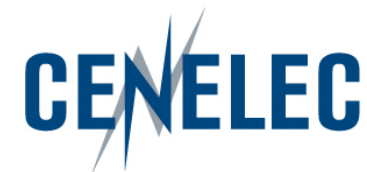
# Conclusions

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- ▶ CEN/TC 129 is highly motivated
- ▶ It is sometimes challenging but it's worth it
- ▶ CPR-Acquis work has to be done anyway: the sooner the better!

**Thank you for  
your attention !**





European Standardization Organizations

# Routes for preparation of hENs under CPR - Environmental essential characteristic in hENs

Dieter DE LATHAUWER – Chair CEN/TC 350 'Sustainability of construction works'

Julia GOERKE - Convenor CEN/TC 350/WG 3 'Product Level'



## BASIC REQUIREMENTS FOR CONSTRUCTION WORKS

Construction works as a whole and in their separate parts must be fit for their intended use, taking into account in particular the health and safety of persons involved throughout the life cycle of the works. Subject to normal maintenance, construction works must satisfy these basic requirements for construction works for an economically reasonable working life.

### 3. Hygiene, health and the environment

The construction works must be designed and built in such a way that they will, throughout their life cycle, not be a threat to the hygiene or health and safety of workers, occupants or neighbours, nor have an exceedingly high impact, over their entire life cycle, on the environmental quality or on the climate during their construction, use and demolition, in particular as a result of any of the following:

### 7. Sustainable use of natural resources

The construction works must be designed, built and demolished in such a way that the use of natural resources is sustainable and in particular ensure the following:

- (a) reuse or recyclability of the construction works, their materials and parts after demolition;
- (b) durability of the construction works;
- (c) use of environmentally compatible raw and secondary materials in the construction works.

European Commission defines **essential characteristics** which are laid down in the **Standardization request** from the European Commission

For environment, e.g. information on Global Warming Potential, Ozone depletion potential, Land use, ...



Product TC develops harmonized technical specification  
Including the essential characteristics



Need for the product TC to define a method.  
For LCA/EPD these are called  
“complementary product category rules” (c-PCR)

and are often a distinct EN, specifically for a product group and developed by the relevant product TC



# CEN / TC 350

## Sustainability of construction works

Chair: Dieter De Lathauwer (Belgium)  
Manager: Karine Dari (AFNOR)

### Convenors & secretaries group

**WG1**  
Environmental performance of buildings

Convenor: A. Ilomaki (Finland)

**WG3**  
Product levels

Convenor: J. Goerke (Germany)

**WG5**  
Social performance of buildings

Convenor: ...

**WG6**  
Civil engineering works

Convenor: A. Burgueno (Spain)

**WG8**  
Sustainable refurbishment

Convenor: S. Bjorberg (Norway)

Your point of contact

## SC 1 Circular economy in the construction sector

Chair: K. Guldager Jansen  
Manager: C. Vartou Forsingdal

**SC1 / WG1**  
Framework, principles and definitions

Convenor: L. Ottosen

**SC1 / WG2**  
Gap analysis

Convenor: M. Blum

**SC1 / WG3**  
Chair's advisory group (CAG)

EN 15643  
Sustainability of Construction Works – Framework for Assessment of Buildings and Civil Engineering Works

Works

EN 15978  
Assessment of Environmental Performance of Buildings

EN 16309  
Assessment of Social Performance of Buildings

EN 16627  
Assessment of Economic Performance of Buildings

EN 17680 Assessment of Options for Sustainable Refurbishment of Buildings

EN 17472 Sustainability Assessment of Civil Engineering Works

Products

EN 15804 + A2  
Environmental Product Declarations – Core Rules for Construction Products

CEN/TR 16790  
Guidance for EN 15804

EN 15942 Communication Format B-to-B

EN 15941 Data Quality *coming soon*

EN 17672 Rules for B-to-C Communication

EN ISO 22057 Data templates for the use of EPDs in BIM

CEN/TR17005 Additional environmental impact categories and indicators.

+ CIRCULARITY

Not in scope of CEN TC 350:

- Energy Performance of Buildings
- Service life assessment
- Functionality

## PROPOSAL(S)

BT,

- noting the request of CEN/TC 350 as in Annex 1 BT N 9216;
- noting the concerns and recommendation of the Construction Core Group as in Annex 2 to BT N 9216;
- endorses the Construction Core Group recommendation 165/2013;
- asks CEN/TCs developing product standards to take into consideration the horizontal rules of EN 15804;
- encourages the close liaison between CEN/TC 350 'Sustainability of construction works' and product TCs when those product TC's are preparing specific Product Category Rules based on EN 15804;
- invites product TCs in the construction sector and CEN/TC 350 to consult the Construction Core Group, should issues be identified

2013-03-27 – GA

## PROPOSAL(S)

BT,

- noting,
  - decision 284 of CEN/TC 350 'Sustainability of construction works' taken on 2022-04-05 (see Annex 2);
  - CEN/BT Decision 3/2013, asking CEN/TCs developing product standards to take into consideration the horizontal rules of EN 15804 and encouraging the close liaison between CEN/TC 350 and product TCs when those product TCs are preparing specific Product Category Rules (PCRs) based on EN 15804 (see Annex 1);
- decides, when a new Standardization Request (SReq) is being developed referring to EN 15804 and/or to quantified environmental characteristics of construction products or services, that:
  - CEN/TC 350 shall be informed and consulted regarding the content of the draft construction product SReq prior to their acceptance;
  - CEN/TCs involved in the execution of the SReq shall contact CEN/TC 350 to inform about the standards of concern and liaise with CEN/TC 350 to apply the workflow and templates of CEN/TC 350 when developing complementary PCRs to avoid conflicts with EN 15804.

2022-04-22 – ALG

⇒ Alignment with EN 15804+A2 is necessary  
⇒ Liaise with CEN/TC 350  
⇒ Follow the flow as laid down by CEN/TC 350

## Basic rules for the product category construction products

### ***Sustainability of construction works - Environmental product declarations - Basic rules for the product category construction products; EN 15804:2012+A2:2019 + AC:2021***

- ▶ This document has been prepared by Technical Committee CEN/TC 350 "Sustainability of construction works" (Secretariat: AFNOR, France).

# The Environmental Product Declaration

## What is an EPD?

- ▶ is based on EN 15804+A2
- ▶ is a document of 8-10 pages
- ▶ contains data of the Life Cycle Assessment (LCA) of a product
- ▶ considers the product from "cradle to grave"
- ▶ is independently verified
- ▶ follows the so-called Product Category Rules (PCR)

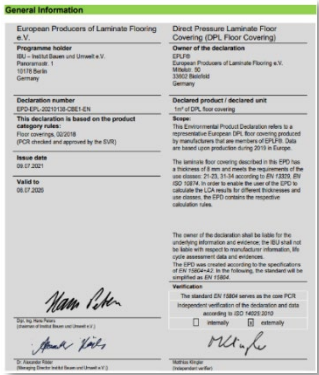


Source: <https://www.eco-platform.org/epd-data.html>

# The Environmental Product Declaration



## Verification



## Product and Production



## LCA Results



PRODUCT STAGE		CONSTRUCTION PROCESS STAGE			USE STAGE							END OF LIFE STAGE				BENEFITS AND LOADS BEYOND THE SYSTEM BOUNDARIES
Raw material supply	Transport	Manufacturing	Transport from the gate to the site	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse-Recovery-Recycling-potential
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Core Indicator	Unit	A1-A3			A4	A5	B2	C1	C2	C3	D					
GWP-total	[kg CO <sub>2</sub> -Eq.]	-2.65E+0			4.37E-2	2.77E-1	1.70E-1	0.00E+0	4.23E-2	1.19E+1	-6.67E+0					
GWP-fossil	[kg CO <sub>2</sub> -Eq.]	5.93E+0			4.34E-2	3.63E-2	1.58E-1	0.00E+0	4.21E-2	0.00E+0	-6.66E+0					
GWP-biogenic	[kg CO <sub>2</sub> -Eq.]	-8.58E+0			0.00E+0	2.41E-1	-3.32E-2	0.00E+0	0.00E+0	1.19E+1	0.00E+0					
GWP-luluc	[kg CO <sub>2</sub> -Eq.]	6.25E-3			3.51E-4	4.13E-6	4.53E-2	0.00E+0	3.40E-4	0.00E+0	-5.28E-3					
ODP	[kg CFC11-Eq.]	2.70E-12			5.21E-18	4.47E-17	8.19E-9	0.00E+0	5.05E-18	0.00E+0	-7.91E-14					
AP	[mol H <sup>+</sup> -Eq.]	1.70E-2			1.43E-4	5.26E-5	4.67E-4	0.00E+0	1.39E-4	0.00E+0	3.99E-3					
EP-freshwater	[kg PO <sub>4</sub> -Eq.]	1.41E-5			1.32E-7	7.65E-9	6.01E-6	0.00E+0	1.28E-7	0.00E+0	-9.72E-6					

## What is a PCR according to ISO 14025 and EN 15804+A2?

### 3.12

#### **product category**

group of **products** (3.11) that can fulfil equivalent functions

### 3.5

#### **product category rules**

#### **PCR**

set of specific rules, requirements and guidelines for developing **Type III environmental declarations** (3.2) for one or more **product categories** (3.12)

### **A<sub>2</sub>** 3.5

#### **complementary product category rules**

#### **c-PCR**

product group specific or horizontal PCR, which provide additional compliant and non-contradictory requirements to EN 15804

Note 1 to entry: c-PCR are meant to be used together with EN 15804.

# House full of “Product Categories”

## House full of standards





# Product Category Rules



Purpose of PCR is to ensure the principle of comparability

## product category rules (PCR)

- ▶ Resilient, textile and laminate floor coverings (EN 16810)
- ▶ Concrete and concrete elements (EN 16757)
- ▶ Cement and building lime (EN 16908/A1)
- ▶ Flat glass products (EN 17074)
- and others
- ▶ Road traffic noise reducing devices
- ▶ Windows and doors
- ▶ Round and sawn timber
- ▶ Thermal insulation products
- ▶ Plastics piping systems
- ▶ ...

Overview of PCR documents from product TCs

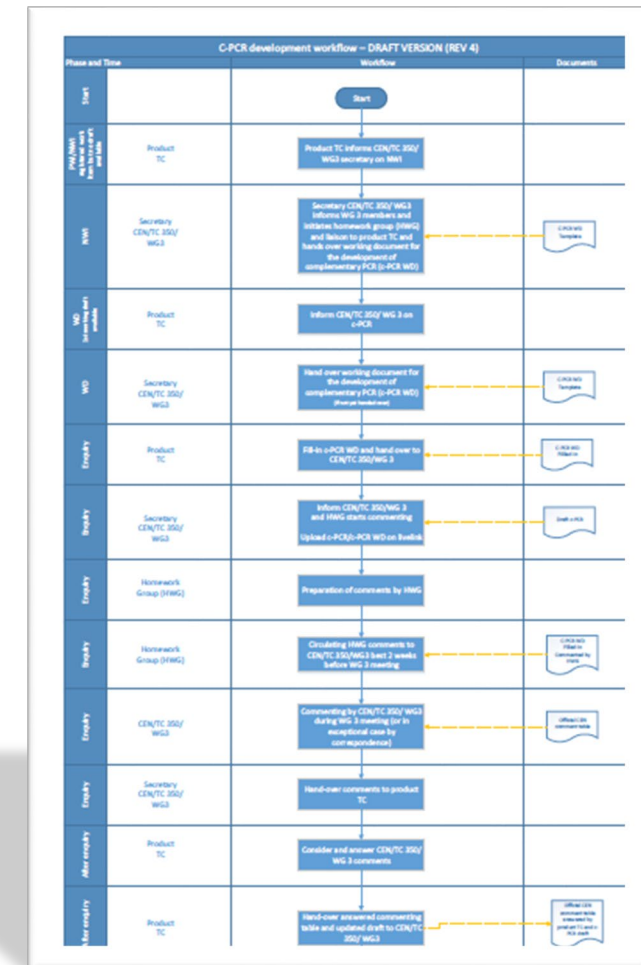
EN/TC	Lead of TC	WG	Lead of WG	WG	EN reference code	EN title	ENQ start	ENQ end	PR date	Remarks
182	UNI	WG 2	UNI	182021	EN 16810	Sustainability assessment - Ceramic sanitary appliances	2018-03-08	2019-03-01		published in 2018, not assessed in 2020
131	NEN	WG 10	NEN	131020	EN 16812	Sustainability of construction work - Environmental product declarations - Product category rules for resilient, textile and laminate floor coverings	2019-01-07	2018-01-07	2019-01-07 to 2020-01-01	published in 2017, EN work 2019-03-01, result ambiguous, WG 10 meeting on 2020-09-07
81	DIN	WG 3	DIN	81021	prEN 16757	Thermal insulation products - Product category rules (PCR) for concrete and concrete elements	2019-03-01	2019-03-01	2019-03-01 to 2019-03-01	during the ENQ requirements from CEN 2, after the start of the WG 3 work, no work will be made
139	AFNOR	WG 6	AFNOR	139128	EN 16757	Sustainability of construction work - Environmental product declarations - Product Category Rules for concrete and concrete elements	2019-03-01	2019-03-01	2019-03-01 to 2019-03-01	published in 2019
188	NEN	WG 27	-	188021	prEN 16908	Plastics piping systems - Sustainability of construction work - Product Category Rules (PCR) for plastics piping systems made of polypropylene	2019-03-01	2019-03-01	2019-03-01 to 2019-03-01	work is ongoing, currently no action via, after starting the WG 27 work for 2019
188	NEN	WG 27	-	188021	prEN 16908	Plastics piping systems - Sustainability of construction work - Product Category Rules (PCR) for buried plastics piping systems	2019-03-01	2019-03-01	2019-03-01 to 2019-03-01	
81	NEN	WG 6	DIN	81118	EN 16908/A1	Cement and building lime - Environmental product declarations - Product category rules complementary to EN 16908	2019-03-01	2019-03-01	2019-03-01 to 2019-03-01	published in 2019
139	NEN	WG 27	NEN	139011	EN 17074	Product Category Rules for Environmental Product Declarations for flat glass products used in buildings and other construction work (EN 17074)	2019-01-18	2019-01-18	2019-01-18 to 2019-01-18	published in 2019, reference to EN 16810(A1)
188	DIN	WG 1	NEN	188071	CEN/TR 18820	Guidance for the implementation of environmental aspects in product standards and system standards in the field of construction engineering		TR	2018-08-07 to 2018-08-07	published in 2018, CEN/TR 18820 is currently discussing the added value of the TR
139	AFNOR	WG 6	NEN	139082	prEN 17120	Roof tiles noise reducing devices - Sustainability Key - Sustainability Performance Indicators (SPI) Declaration	2019-03-01	2019-03-01		ENQ still available, Comments were sent in TC 238, preparation of PR
11	AFNOR	WG 1	DIN	118021	EN 17120 A11	Windows and doors - Environmental Product Declarations - Product category rules for windows, and windows and external pedestrian devices	2019-08-18	2019-08-18	2019-08-18 to 2019-08-18	amendment under development, ENQ shall be assessed
138	BSI	WG 8	BSI	138011		Security - Environmental product declarations - Product category rules complementary to EN 18001:2015 + A2:2018 for masonry products				WG started working, WG was registered 2019-01
87	UNI	WG 6	UNI	87128	prEN 17120	Product category rules for ceramic tiles	2017-08-12	2017-11-03	2018-08-07 to 2018-11-03	published in 2018, revision started, no action via yet
178	NEN	WG 6	UNI	178021	prEN 18128	Roof and eave linings - Environmental Product Declarations - Product category rules for roof and eave linings made of polypropylene				ENQ assessment, WG was established 2019-08, currently the WG is working on the draft
181	NEN	WG 18	NEN	181028	prEN 17120-C	Flexible sheets for waterproofing - Environmental product declaration - Product Category Rules for bituminous and synthetic flexible sheets for (wet) waterproofing - Part 1: Guide to give	2019-07-07	2019-08-18	2019-08-18 to 2019-08-18	revised draft has been assessed for PR
181	NEN	WG 18	NEN	181028	prEN 17120-D	Flexible sheets for waterproofing - Environmental product declaration - Product Category Rules for bituminous and synthetic flexible sheets for (wet) waterproofing - Part 2: Guide to give	2019-07-07	2019-08-18	2019-08-18 to 2019-08-18	
181	BSI	WG 11	BSI	181028		Sustainability of construction work - Environmental product declarations - Part 1: Core rules for aggregates intended to be physically integrated in concrete, mortar, bituminous mixtures or hydraulic bound mortars				ENQ registered 2019-01, evaluation of the WG is planned
181	BSI	WG 11	BSI	181027		Sustainability of construction work - Environmental product declarations - Part 2: Core rules for aggregates intended to be used as unbound material, railway ballast or armcoastones				
137	AFNOR	WG 6	BSI	137141	prEN 17120-C	Sustainability of construction work - Environmental product declarations - Core rules for road materials Part 1: Bituminous mixtures	2019-03-08	2019-08-18		draft WG was started, TC agreed to draft a TR, assessment with PCR for 139082, evaluation of the WG planned
161	AFNOR	WG 6	-	161081	prEN 17120	Complementary Product Category Rules for System-based Construction Products	2019-01-12	2019-03-01		ENQ still available, comments were sent in TC 238
138	EN	WG 27	BSI	138028	prEN 17120	Reinforcement of steel structures and aluminum structures - Environmental Product Declarations - Product category rules complementary to EN 18021 for steel and aluminum structural products and other metal products for use in reinforcement work	2019-01-08	2019-07-08		ENQ and CEN/TR 18820 agreed WG 27 to complement the draft again
11	AFNOR	WG 6	BSI	118113	EN 17120	Building facades - Environmental Product Declarations - Product category rules for building facades	2019-01-08	2019-01-18	2019-03-07 to 2019-08-12	published in 2019
186	BSI	WG 6	DIN	186018	EN 18020-C	Residential solid fuel burning appliances - Part 1: General requirements and test methods			2019-07-08 to 2019-08-01	published in 2019, the PCR are included in the standard, all the information from the ENQ are included, ENQ 186018, ENQ 2 comments were assessed, ENQ was registered
11	AFNOR	WG 6	UNI	118011		Custom fitting - Environmental Product Declarations - Product category rules for custom fitting	2019-01-12			WG has been registered 2019-01, evaluation is still for ENQ
138 (BC 1)	NEN	WG 27	-			Iron cement boards				evaluation during the WG 27 meeting on 2019-03-01, ENQ 138011 was assessed for a meeting with the WG 27
138 (BC 1)	BSI	WG 12	-			Handrail elements				evaluation during the WG 27 meeting on 2019-03-01

colour key:  
  the work is done for the moment (published)  
  there is still work to be done

# Process to create a c-PCR

First step: please inform CEN/TC 350 WG3 secretary and

Tasks of product TC	Tasks of CEN/TC 350
<ul style="list-style-type: none"> <li>- Informs DIN secretary</li> <li>- Drafts c-PCR and defines e.g.                             <ul style="list-style-type: none"> <li>- functional unit,</li> <li>- requirements for different life cycle stages,</li> </ul> </li> <li>- Technical properties to be mentioned in EPD</li> <li>- Specify certain LCA requirements if needed (e.g allocation)</li> </ul>	<ul style="list-style-type: none"> <li>- We provide templates</li> <li>- We are the point of contact for questions</li> <li>- We comment the c-PCR</li> <li>- We check compliance with EN 15804+A2</li> </ul>



# Your contacts



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Karine Dari

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[karine.dari@afnor.org](mailto:karine.dari@afnor.org)



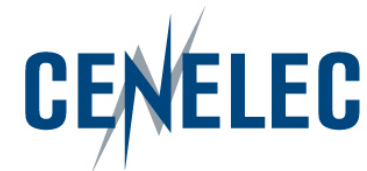
Julia Goerke

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[Sara.Schwarz@din.de](mailto:Sara.Schwarz@din.de)





European Standardization Organizations

# Standardization request development process

Alessia Gaetani – CEN and CENELEC Project Manager



**REGULATION (EU) No 1025/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL  
of 25 October 2012**

**on European standardisation, amending Council Directives 89/686/EEC and 93/15/EEC and Directives 94/9/EC, 94/25/EC, 95/16/EC, 97/23/EC, 98/34/EC, 2004/22/EC, 2007/23/EC, 2009/23/EC and 2009/105/EC of the European Parliament and of the Council and repealing Council Decision 87/95/EEC and Decision No 1673/2006/EC of the European Parliament and of the Council**

**(Text with EEA relevance)**

## Article 10

### **Standardisation requests to European standardisation organisations**

1. The Commission may within the limitations of the competences laid down in the Treaties, request one or several European standardisation organisations to draft a European standard or European standardisation deliverable within a set deadline. European standards and European standardisation deliverables shall be market-driven, take into account the public interest as well as the policy objectives clearly stated in the Commission's request and based on consensus. The Commission shall determine the requirements as to the content to be met by the requested document and a deadline for its adoption.

# Link with EU legislation & SReq

Inputs from  
CPR Acquis or  
Fast track



STANDARDIZATION  
REQUESTS



CENELEC

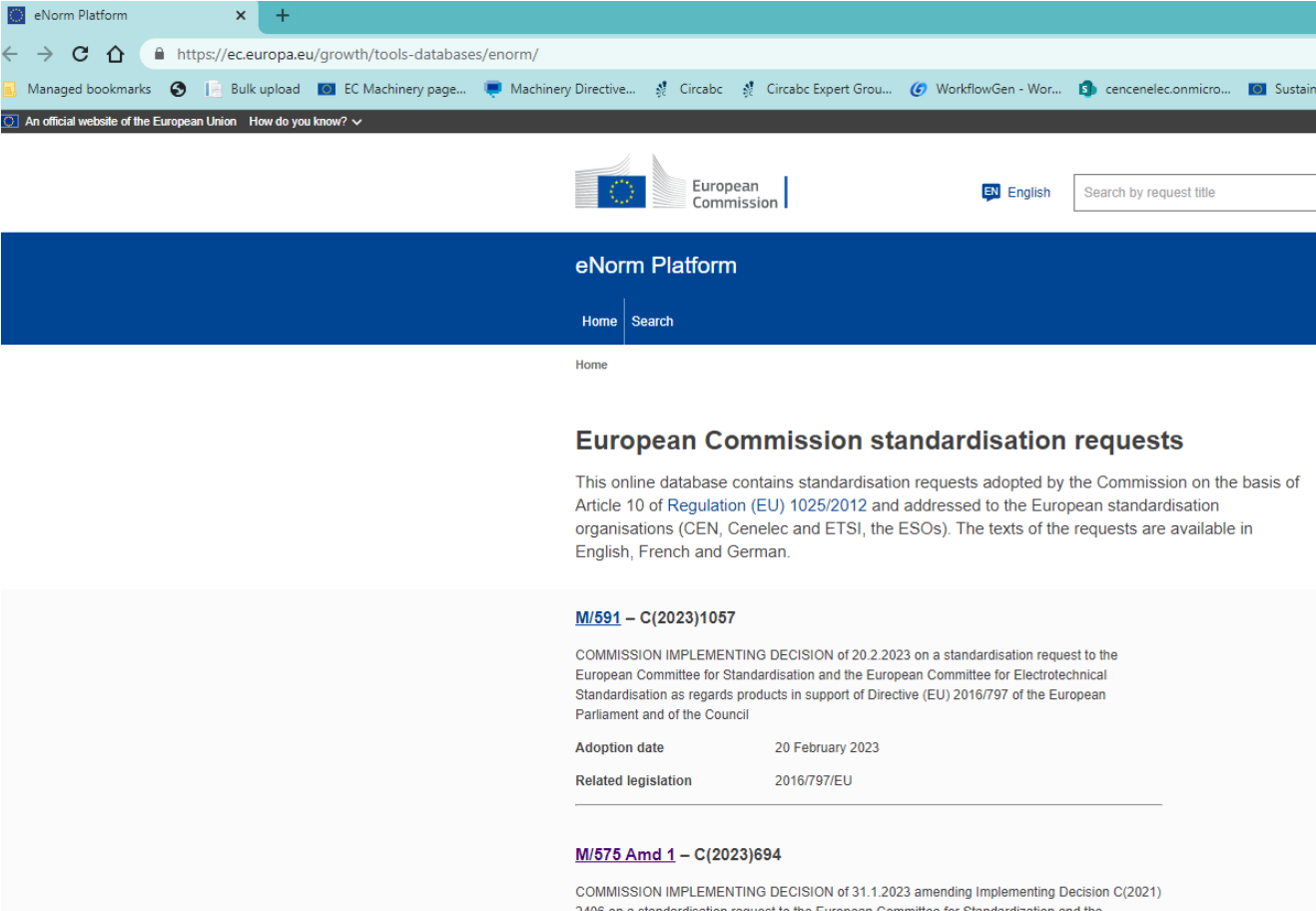
HARMONIZED  
STANDARD



- ▶ Before EU Reg 1025/2012 (1 January 2013) → **Mandates**
- ▶ After EU Reg 1025/2012 (1 January 2013)
  - **Standardization Request (SReq)**, which is a Commission implementing Decision



► EC Database for SReq: <https://ec.europa.eu/growth/tools-databases/enorm/>



The screenshot shows the eNorm Platform website. At the top, there is a navigation bar with the European Commission logo, the text 'eNorm Platform', and a search bar. Below the navigation bar, the main content area features the heading 'European Commission standardisation requests'. A paragraph explains that the database contains requests adopted by the Commission based on Article 10 of Regulation (EU) 1025/2012, addressed to CEN, Cenelec, and ETSI. Two specific requests are listed:

- M/591 – C(2023)1057**  
COMMISSION IMPLEMENTING DECISION of 20.2.2023 on a standardisation request to the European Committee for Standardisation and the European Committee for Electrotechnical Standardisation as regards products in support of Directive (EU) 2016/797 of the European Parliament and of the Council  
Adoption date: 20 February 2023  
Related legislation: 2016/797/EU
- M/575 Amd 1 – C(2023)694**  
COMMISSION IMPLEMENTING DECISION of 31.1.2023 amending Implementing Decision C(2021) 2408 on a standardisation request to the European Committee for Standardisation and the

# Mandates vs Standardization Requests

	<b>Mandate</b>	<b>Standardization Request</b>
Validity	Open, no deadline	Fixed deadline
Deliverables	Proposed by the TCs	Listed in the SReq, with titles
Old mandate/SReq	Superseded by new one	Superseded by new one
Deadlines for deliverables	No deadlines	Fixed deadlines
Work Programme	Yes, for TCs to suggest list of deliverables	Yes, based on list of deliverables provided in the SReq
Annual Report	No	1/year + Final report
Amendment	Yes	New Implementing act (i.e. new SReq)
TC answers to mandate	Yes	No

# SReq development process



**Commission planning (AUWP) – Future SReqs are announced**

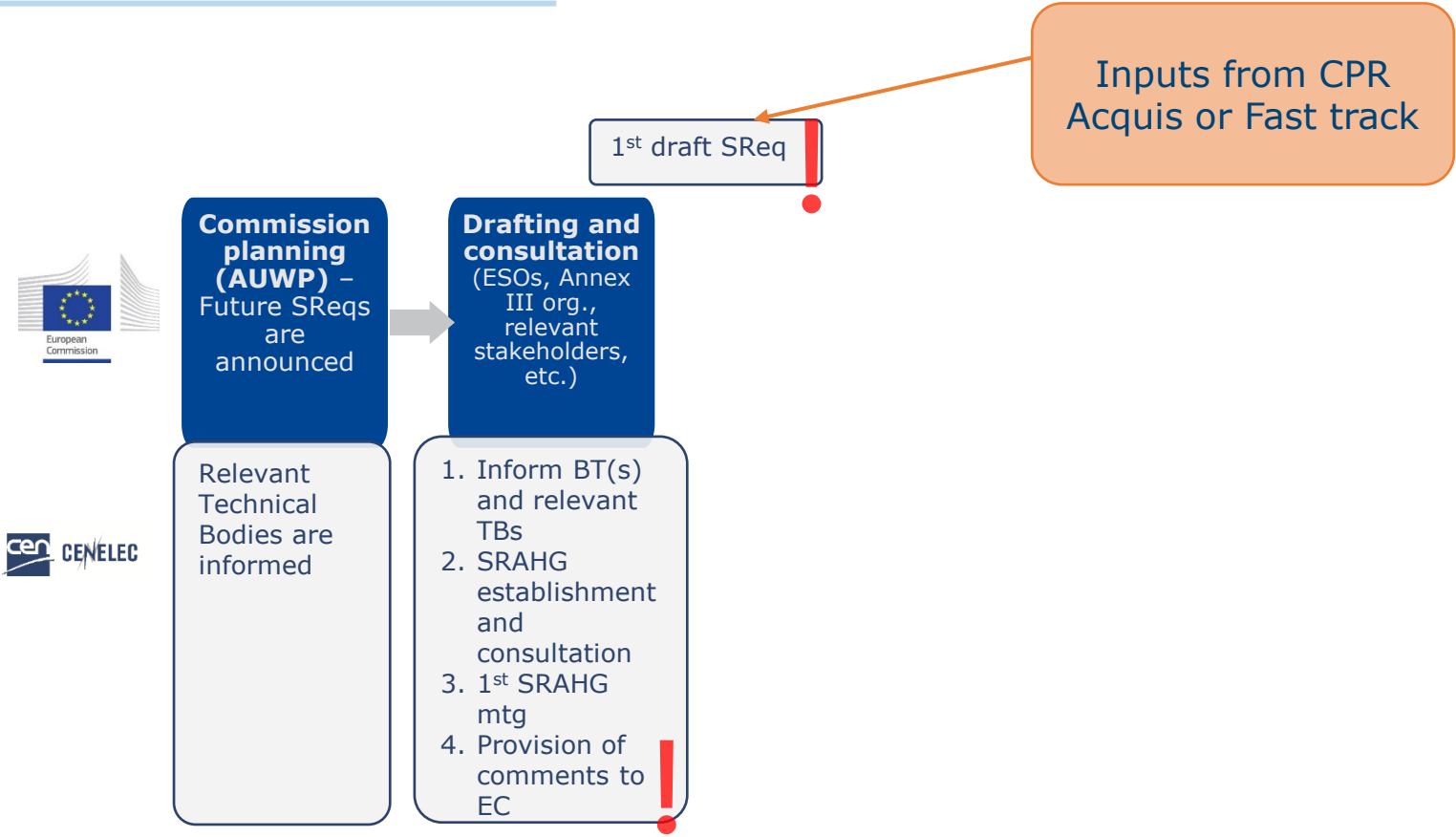
Relevant Technical Bodies are informed



\* link to [Annual Union Work Programme for European Standardisation for 2023](#)

45	Construction products	<a href="#">Regulation (EU) No 305/2011 laying down harmonised conditions for the marketing of construction products</a>  <a href="#">COM(2020) 662 on A Renovation Wave for Europe - greening our buildings, creating jobs, improving lives</a>	Develop new European standards for assessment methods and criteria for construction products, in particular for those supporting the renovation of buildings to be used as standardised technical specifications under Regulation (EU) No 305/2011.	Ensuring the single market for construction products operates smoothly and ensure the greening of our buildings.
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# SReq development process



## **Standardization Request Ad-hoc Group – SRAHG**

**Role:** coordination between all stakeholders during drafting of SReq and advises BTs on problematic issues

### **Composition**

- ▶ Convenor
- ▶ Secretariat: CCMC
- ▶ Interested CEN/BT members and/or CENELEC Permanent Delegates (PD)
- ▶ Experts nominated by CEN/BT members and/or CENELEC PDs
- ▶ Partner Organizations represented in Technical Bodies, including Annex III Organizations
- ▶ **Representatives of the concerned Technical Bodies (you!)**
- ▶ one representative of the relevant Sector Forum and/or Coordination Group
- ▶ ISO/IEC representatives
- ▶ EC representative

# SReq development process – SRAHG (II)

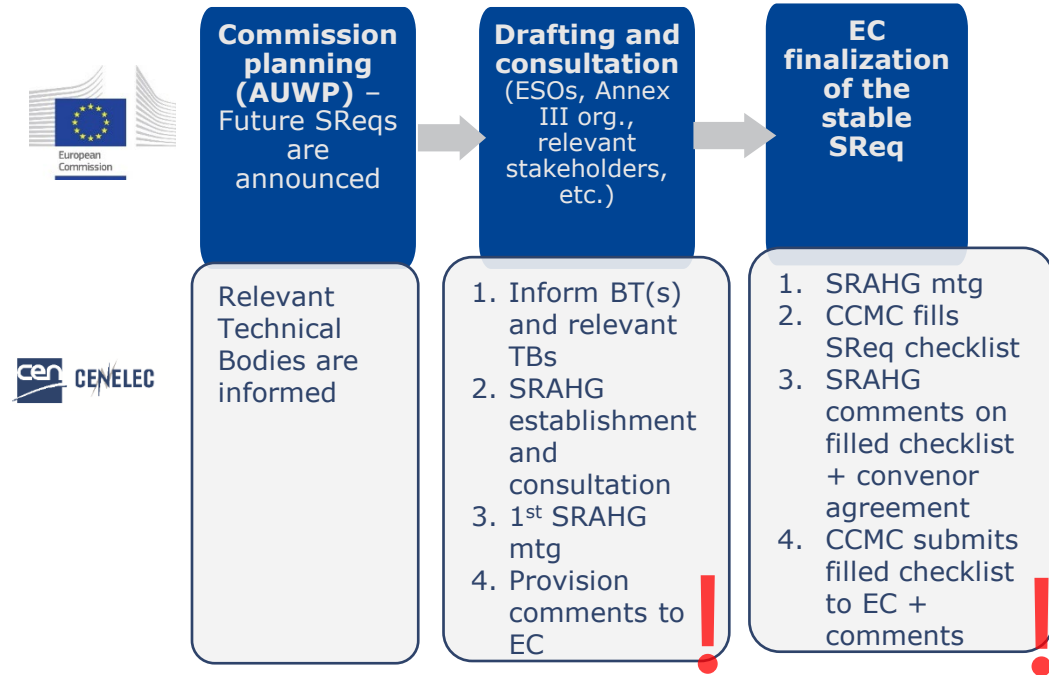
## Standardization Request Ad-hoc Group – SRAHG

### SRAHG should verify:

- ▶ List of items which are requested by EC to CEN and CENELEC, including deadlines
  - ▶ Expiry date of SReq
  - ▶ Key aspects that may affect technical work
  - ▶ Potential funding needs
- 
- ▶ SRAHG provides a recommendation to BT on acceptance/rejection of SReq

**Duration:** SRAHG is disbanded upon the acceptance of SReq

# SReq development process



## CHECKLIST FOR STANDARDISATION REQUEST (SR)

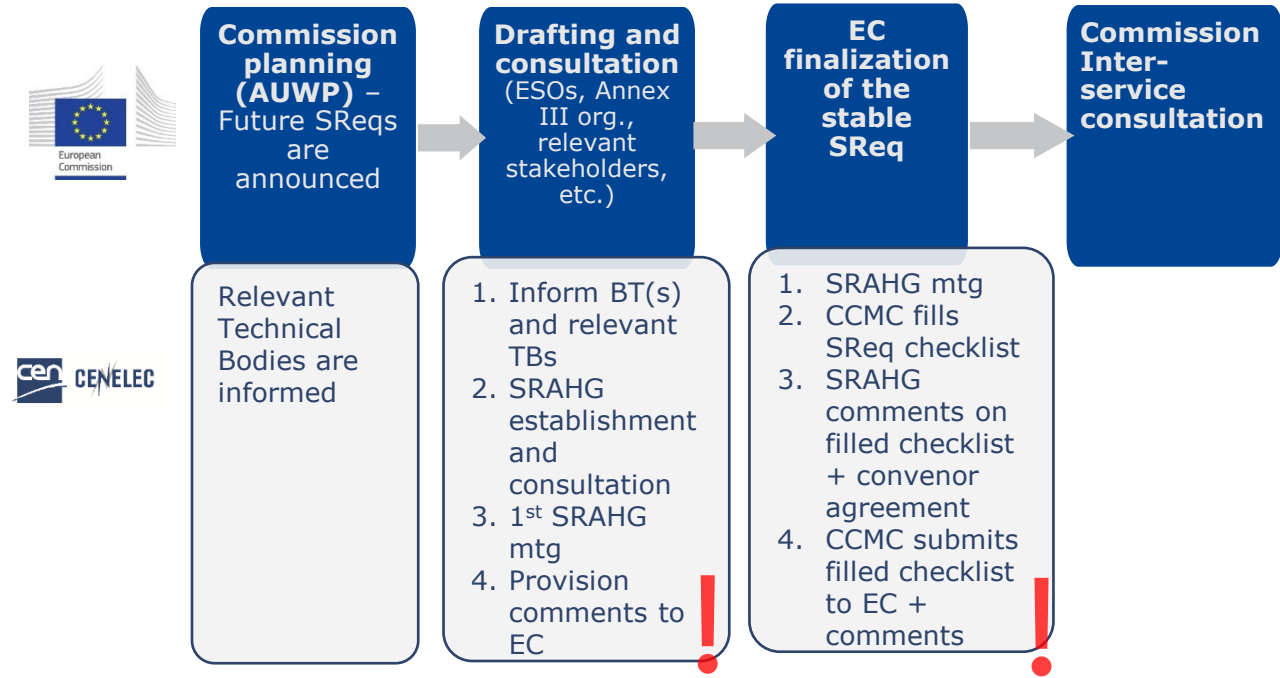
This checklist is to be filled out by the relevant ESO(s) on the basis of the final draft of the SR, made available by the Commission before the submission to the Inter-service consultation.

The field 'EC comments' is reserved to the Commission services for any reply to the possible concerns/critical elements of the ESO(s), before considering this document final.

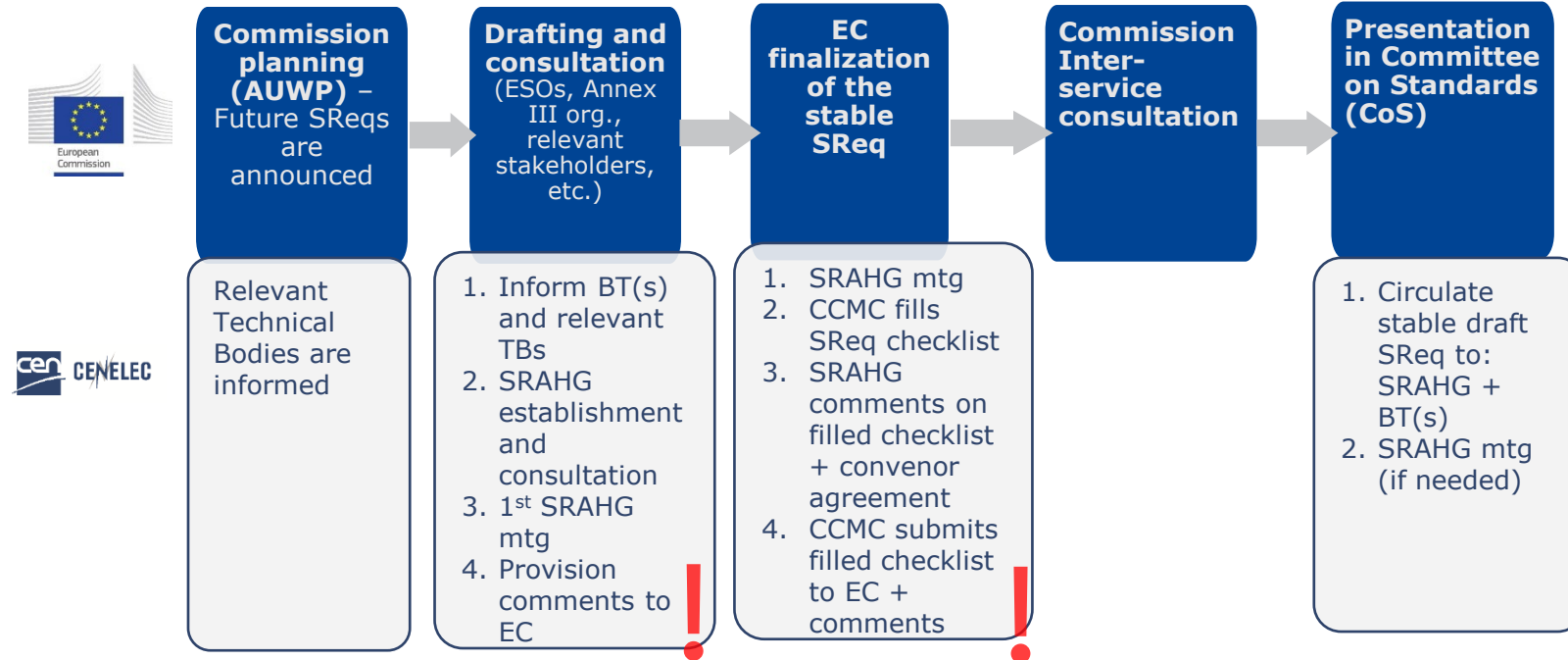
	PROCESS	CEN	CLC	ETSI	ESOs critical topics identified	ESOs proposed alternatives	EC comments
1	Has the draft SR been shared with the Experts Group or equivalent group of sectoral experts?	(Y/N)	(Y/N)	(Y/N)			
	SR SCOPE	CEN	CLC	ETSI	ESOs critical topics identified	ESOs proposed alternatives	EC comments
2	Is the scope clear?	(Y/N)	(Y/N)	(Y/N)			
3	Are the objectives clear?	(Y/N)	(Y/N)	(Y/N)			
	SUPPORTING LEGISLATION/REQUIREMENTS	CEN	CLC	ETSI	ESOs critical topics identified	ESOs proposed alternatives	EC comments
4	Is the SR clearly related to a policy initiative?	(Y/N)	(Y/N)	(Y/N)			
5	Is the SR clearly related to NLF legislation (e.g. citation of hEN and presumption of conformity)?	(Y/N)	(Y/N)	(Y/N)			
6	Do the legal requirements in the SR stem from the underlying legislation (e.g. ER)?	(Y/N)	(Y/N)	(Y/N)			
7	Do legal requirements formulated in the SR reflect requirements from other legislation?	(Y/N)	(Y/N)	(Y/N)			
8	If requested/needed, was sufficient information provided by the Commission on the legal requirements?	(Y/N)	(Y/N)	(Y/N)			
	DELIVERABLES	CEN	CLC	ETSI	ESOs critical topics identified	ESOs proposed alternatives	EC comments
9	Is the list agreed with the ESOs?	(Y/N)	(Y/N)	(Y/N)			
10	Are the deadlines realistic?	(Y/N)	(Y/N)	(Y/N)			
11	Are these deadlines synchronized with applicable legislation?	(Y/N)	(Y/N)	(Y/N)			
12	Have these deadlines been agreed with the ESOs?	(Y/N)	(Y/N)	(Y/N)			
13	Are there verifiable criteria for evaluation of the deliverables (e.g. checklist, guidance)?	(Y/N)	(Y/N)	(Y/N)			
	SR EXPIRY DATE	CEN	CLC	ETSI	ESOs critical topics identified	ESOs proposed alternatives	EC comments
14	Is the expiry date 12 months later than the last deadline for the delivery of deliverables?	(Y/N)	(Y/N)	(Y/N)			



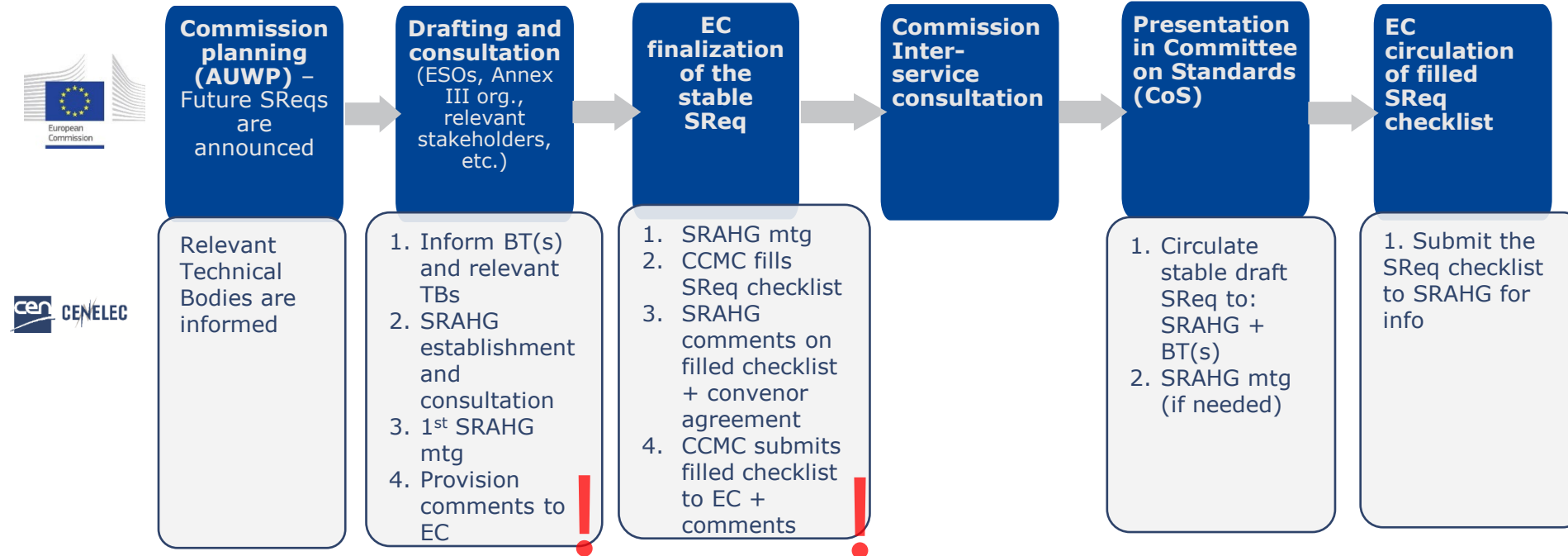
# SReq development process



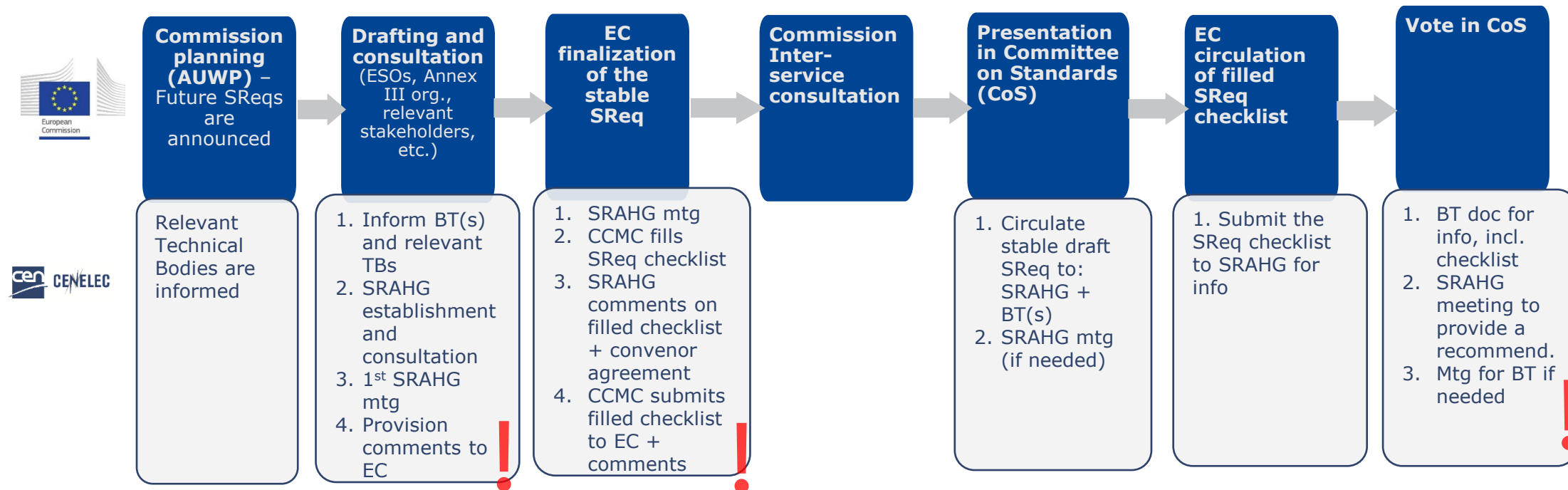
# SReq development process



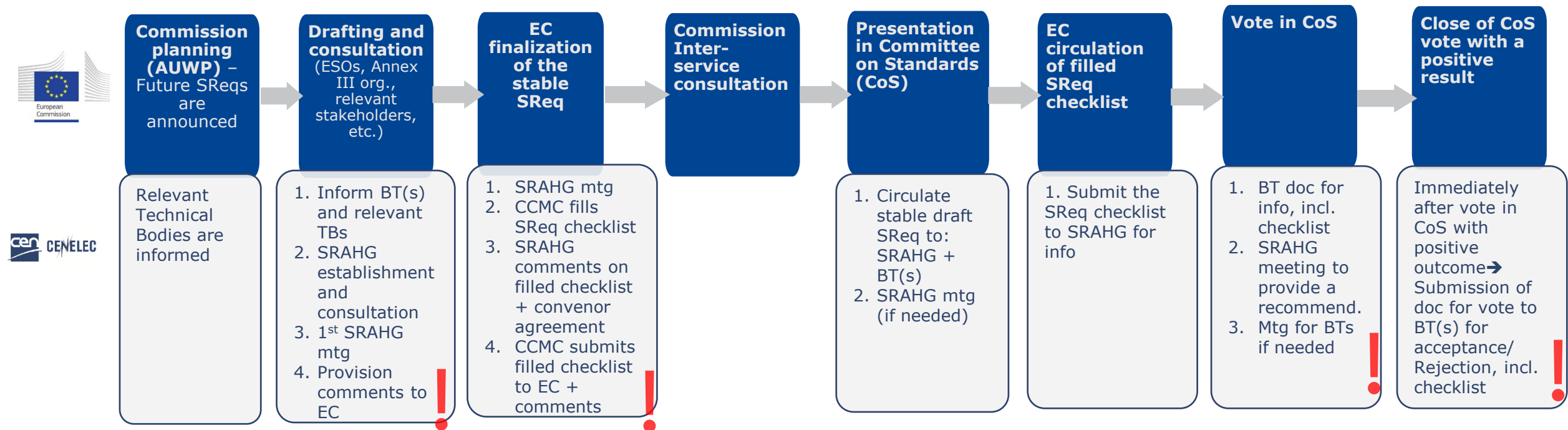
# SReq development process



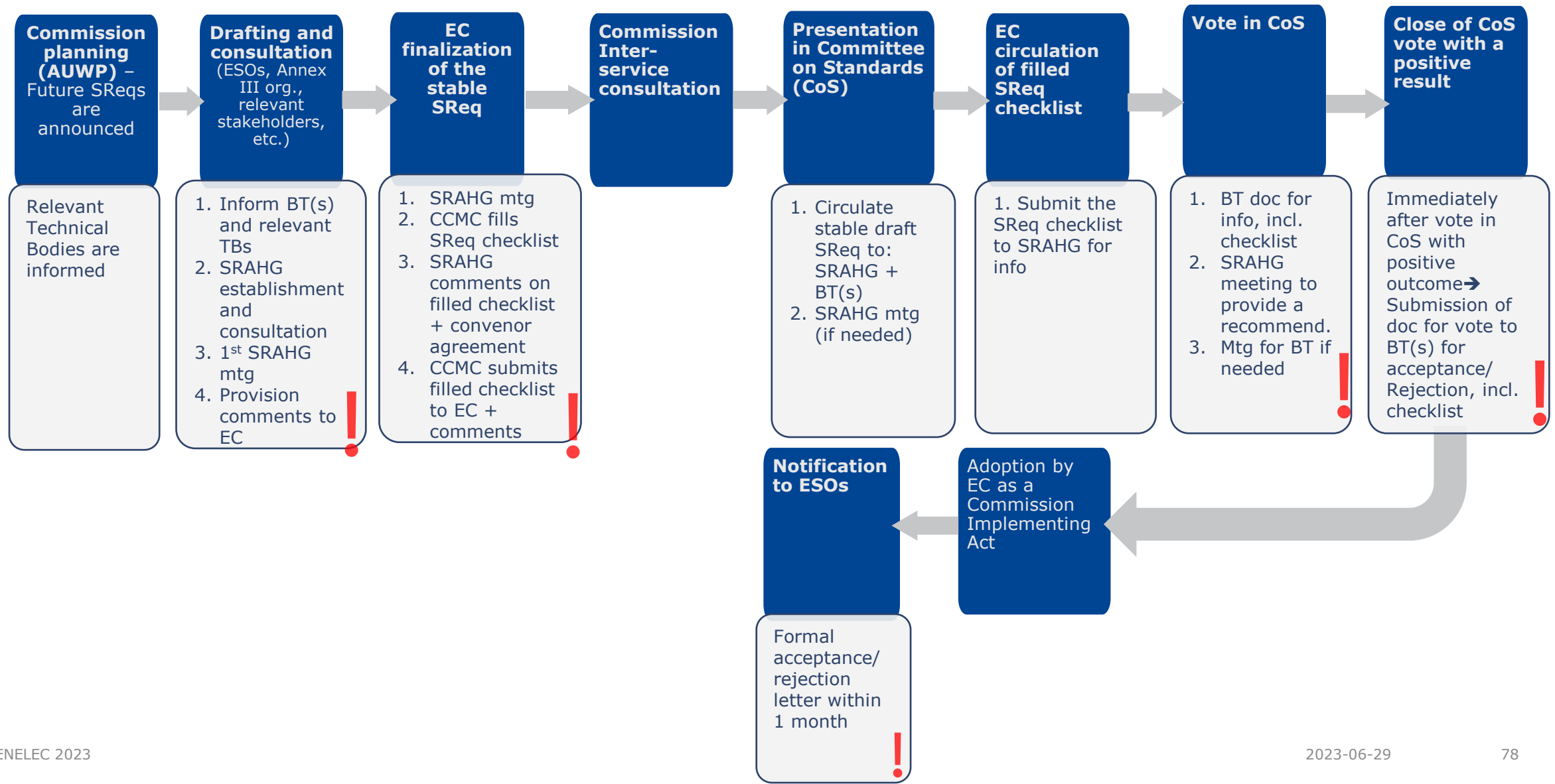
# SReq development process



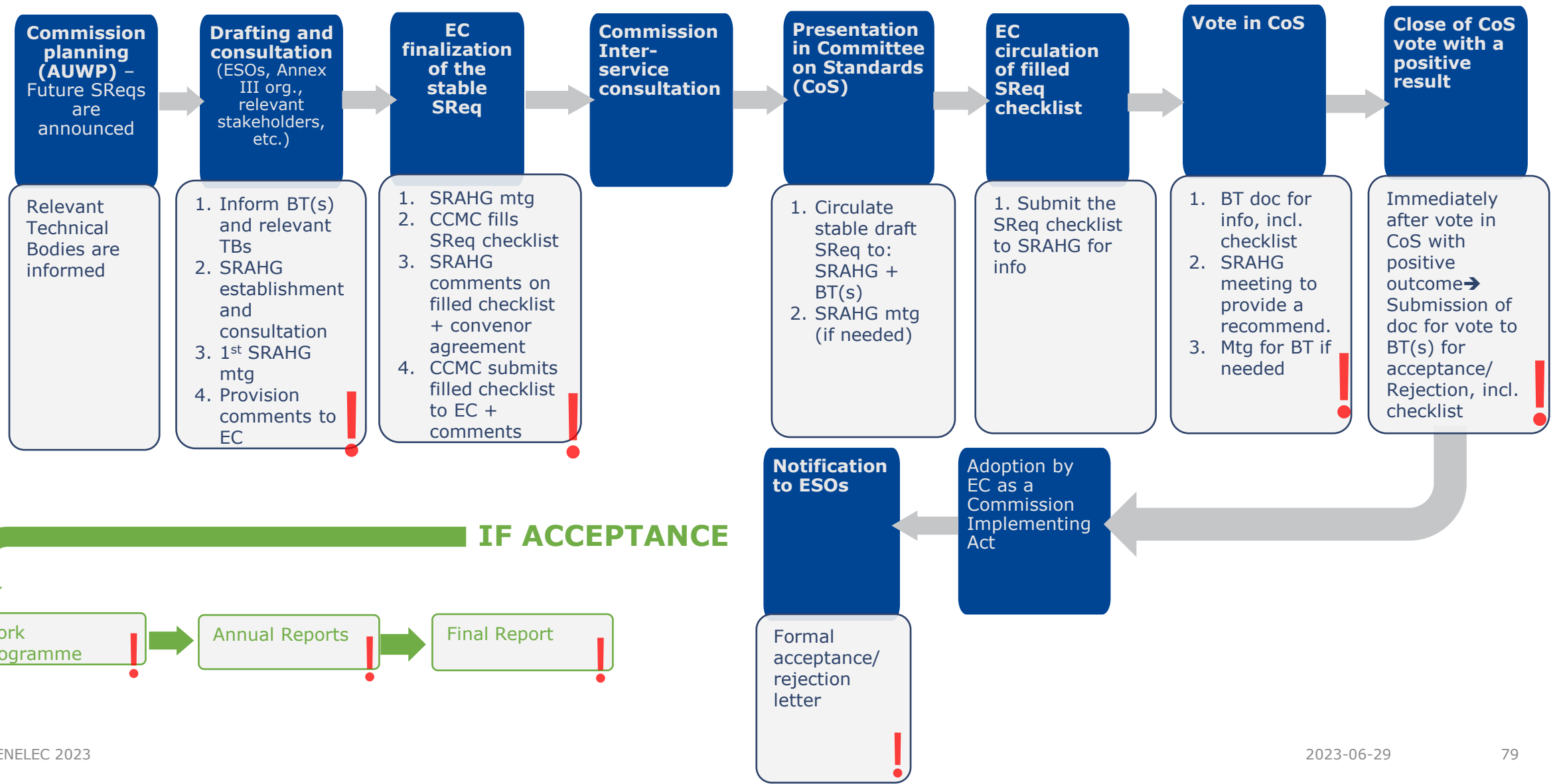
# SReq development process



# SReq development process



# SReq development process



- ▶ The SReq contains list of standards to be provided by the ESOs
- ▶ Normally, list is exhaustive → **CEN and CENELEC cannot offer for citation standards that are not covered in Annex 1**
- ▶ Deadlines are imperative → **CEN and CENELEC cannot offer for citation standards which publication date passed the expiry date of the SReq**

## *Article 1*

### Requested standardisation activities

The European Committee for Standardisation (CEN) is requested to draft new harmonised standards listed in Table 1 of Annex I to this Decision and to revise existing harmonised standards listed in Table 2 of that Annex in support of Regulation (EU) No 305/2011 for space heating appliances by the deadlines set in that Annex.

The standards referred to in the first paragraph shall meet the requirements set out in Annex II.

CEN shall provide the Commission with the titles of the requested harmonised standards in all the official languages of the Union.

*Space heating appliances example*



- ▶ CEN and/or CENELEC shall deliver the work programme

*Article 2*  
Work programme

CEN shall prepare a draft work programme indicating all the standards listed in Annex I, the responsible technical bodies and a timetable for the execution of the requested standardisation work in line with the deadlines set out in that Annex.

CEN shall submit the draft work programme to the Commission by 17 September 2021. CEN shall inform the Commission of any amendments to the work programme.

CEN shall provide the Commission with access to an overall project plan.

*Space heating appliances example*

# Standardization request model



## Example for CEN and CENELEC Work Programme of Standardization Request

M/XXX - name of sector  
CEN & CENELEC work programme

TC	PR/WI number	Standard reference	Title or provisional title	Scope or provisional scope	Other Standardization Requests?	Part(s) or requirements of the standardization request covered	Last realised stage	Next stage	Scheduled target date for next stage	Deadline for adoption by CEN	TC contact (Secretary)

- ▶ CEN and/or CENELEC shall report to EC on execution of SReq

## *Article 3* Reporting

CEN shall report annually to the Commission on the execution of the request referred to in Article 1 indicating the progress made in implementation of the work programme referred to in Article 2.

CEN shall submit the first annual report to the Commission by 30 July 2022. Subsequent annual reports shall be submitted to the Commission by 31 October each year.

CEN shall provide the Commission with the final report by 31 October 2024.

CEN shall promptly report to the Commission any major concerns relating to the scope of the request referred to in Article 1 and the deadlines set in Annex I.

*Space heating appliances example*

# Standardization request model

- ▶ EC sets an expiry date for SReq
- ▶ It defines the period during which there is a legal framework for the EC to accept standards from the ESOs

## *Article 4*

### *Validity of the standardisation request*

If CEN does not accept the request referred to in Article 1 within a month of receiving it, the request may not constitute a basis for the standardisation activities referred to in that Article.

**This Decision shall expire on 13 May 2029.**

## *Article 5*

### *Expiry of existing standardisation mandate*

**Standardisation mandate M/416 of 8 August 2007 shall expire on 13 June 2022**

*Pyrotechnic articles example*

# Standardization request model



## ANNEX I

List of existing standards to be revised and list of new standards to be drafted as referred to in Article 1(1)

*Medical Devices example*

**Table 1: List of existing harmonised standards to be revised and deadlines for the adoption of the revised harmonised standards**

Reference information		Deadline for the adoption
1.	EN 285:2015 Sterilization - Steam sterilizers - Large sterilizers	27 May 2024
2.	EN 455-1:2020 Medical gloves for single use - Part 1: Requirements and testing for freedom from holes	27 May 2024
3.	EN 455-2:2015 Medical gloves for single use - Part 2: Requirements and testing for physical properties	27 May 2024
4.	EN 455-3:2015 Medical gloves for single use - Part 3: Requirements and testing for biological evaluation	27 May 2024

**Table 2: List of new harmonised standards to be drafted and deadlines for their adoption**

Reference information		Deadline for the adoption
1.	Medical gloves for single use - Part 5: Extractable chemical residues (prEN 455-5)	27 May 2024
2.	Radiation protection - Sealed radioactive sources - Leakage test methods (ISO 9978)	27 May 2024
3.	Biological evaluation of medical devices - Part 23: Tests for irritation (ISO 10993-23)	27 May 2024
4.	Active implantable medical devices - Electromagnetic compatibility - EMC test protocols for implantable cardiac pacemakers, implantable cardioverter defibrillators and cardiac resynchronization devices (ISO 14117)	27 May 2024

# Additional requirements

## Space heating appliances

**ANNEX II**

**Requirements for the standards referred to in Article 1**

**Part A. General requirements for standards listed in Annex I**

1. Legal structures to be supported by the harmonised standards

The harmonised standards shall support the establishment of a harmonised system as set out in Regulation (EU) No 305/2011.

The harmonised standards shall provide the methods and the criteria for assessing the performance of construction products in relation to their essential characteristics. Those essential characteristics shall be taken into account from the beginning and throughout the standardisation process.

2. Product scope

The liquid and solid fuel burning local space heating products covered by this standardization request are the following:

- roomheaters for solid fuel;
- inset appliances including open fires for solid fuel;
- cookers for solid fuel;
- independent boiler appliances for solid fuel – Nominal heat output up to 50 kW;
- slow heat release appliances for solid fuel;
- mechanical by wood pellets fed roomheaters, inset appliances and cookers;
- combination appliances fired by wood logs and pellets;
- multi-firing sauna stoves fired by natural wood logs;
- oil stoves.

The intended use of the covered products is space heating in residential buildings. These products may be fitted with a boiler (integral part of the appliance containing water to be heated up) for the supply of hot water for central heating systems.

Appliances intended purely for central heating systems (a maximum of losses towards the room of 6 %) are not covered by this request.

Some products covered by this request may be used as well for cooking.

**Table 6: Essential characteristics**

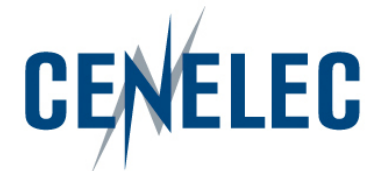
	Essential characteristics	EN 16510-2-7
Data for installation to a chimney at nominal heat output	Flue gas outlet temperature	
	Minimum flue draught	
	Flue gas mass flow	
Data for installation to a chimney at part load heat output, if part load is specified	Flue gas outlet temperature	
	Minimum flue draught	
	Flue gas mass flow	
Data for installation to a chimney regarding fire safety at safety test heat output	Fire safety of installation to the chimney	

# How to amend/revise an existing SReq?

- ▶ To request additional standards, extension of deadlines for standards' delivery and/or extension of the expiry date of the SReq → **CCMC has to contact the relevant EC desk officer**
- ▶ A SReq can be modified through an amendment or revision → applying the whole process for development of SReq (this is not quick)

## Why:

- ▶ Since the SReq has the legal status of a Commission Implementing Decision, the EC will launch the full process for the approval of a new Commission Implementing Decision, i.e. among others, the EC inter-service consultation and the approval by the Member States in the CoS



European Standardization Organizations

# Tools to improve compliance of hENs under CPR

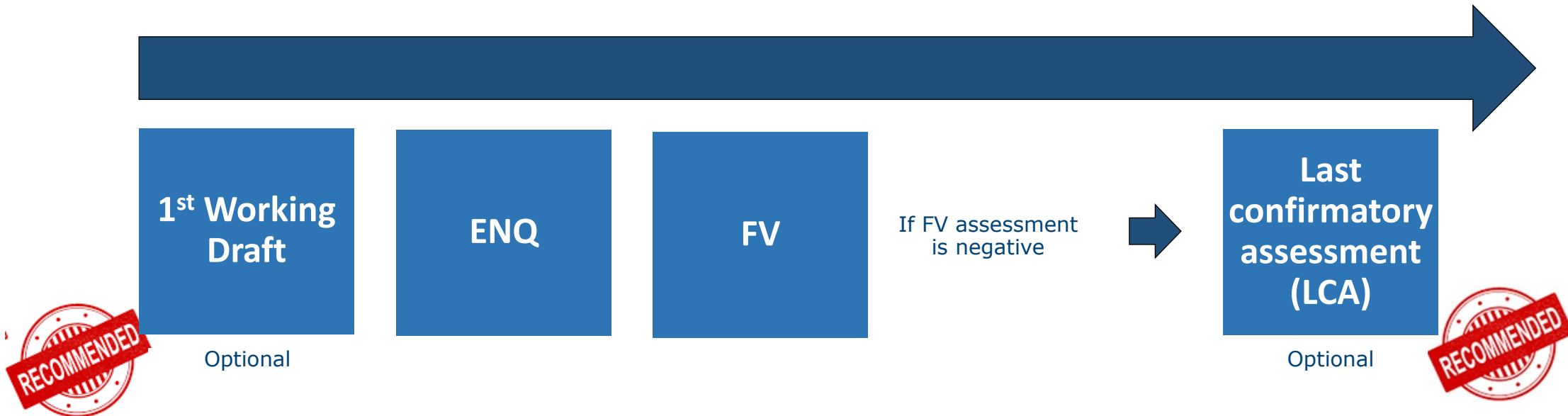
Nuno Pargana – CEN and CENELEC Account Manager





- ▶ New HAS contract signed in August 2022
- ▶ Increase of budget (from 2200 person-days to 3400)
- ▶ More communication and meeting participation (from 20% to 25%)
- ▶ New Last Confirmatory Assessment (LCA)
- ▶ New outcome: 'conditional compliance'
  
- ▶ HAS assessment reports are anonymous

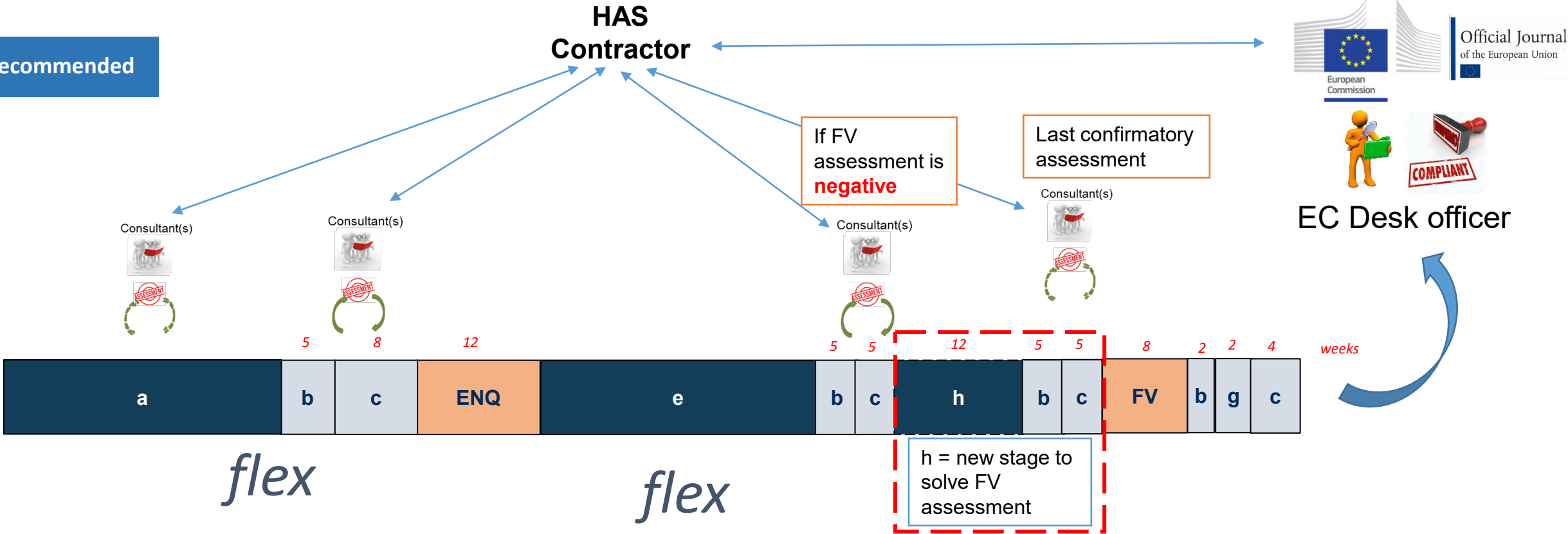
## When can assessments be requested?



- ▶ ESOs can request maximum 4 assessments per WI
- ▶ 1 assessment per stage + LCA
- ▶ LCA: full assessment
- ▶ Not possible to request assessments of published standards

# Assessment of standards: LCA before FV

Recommended



- a Drafting of prEN
- b Editing
- c Translation and preparation of national publication
- d Enquiry
- e Comments handling / preparation of FprEN
- f Formal Vote
- g TC proofing

# Delivery of HAS assessment



- ▶ Assessment duration: **normally 5 weeks after notification to EY**
- ▶ TC secretary will get a notification (via email) when HAS assessment report is available

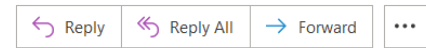
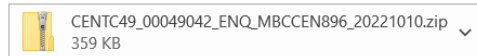
Assessment report for EN 50310:2016/FprA1:2019 - 90/385/EEC - FV has been received (Test environment)



NoReply <noreply@notif.cencenelec.eu>

To

This sender noreply@notif.cencenelec.eu is from outside your organization.



Thu 2022-11-24 16:21



**CAUTION: This email originates from outside of CEN-CENELEC. Do not open attachments or follow links unless you are sure this email comes from a known sender and you know the content is safe.**

## Assessment report received

Please find enclosed the report for the assessment **EN 50310:2016/FprA1:2019 - 90/385/EEC - FV**



HAS Backend API v1.0.43+Branch.master.Sha.52827dfdb144a9edf34028943706802da3ee3c6f-BuildId.3615-CommitDateUtc.2022-11-17

# Meeting requests

- ▶ Only following lack of compliance assessment
- ▶ Requests for meetings require approval by HAS Contractor (EY)
- ▶ Requests to be made by **TC Secretaries** through this [survey](#)
- ▶ requests to be made **3 to 4 weeks** in advance

Requestor's contact information

Last name

First name

Email address

Phone number (including prefix)

Requestor entity and role  
Please use the space below to mention your position, e.g. CCMC Project Manager, CEN TC member, EC Desk Officer, etc.

CEN

CENELEC

ETSI

CCMC

Commission

EY

Requestor sector

Requestor's TC (if applicable)

- ▶ [CEN](#) and [CENELEC](#) simple template for drafting standards
- ▶ Standardization request (see [database](#))
- ▶ CEN-CENELEC [Guide 36](#) 'Guidance on the rules for drafting and presentation of candidate harmonized product standards' published in 2020 – **under revision**
- ▶ CEN-CENELEC guidance – [Core rules](#) for drafting hENs for construction products – **to be merged with Guide 36**
- ▶ [AVCP guidance](#) (2019-11-26) – **to be revised**
- ▶ Annex ZA [template](#)
- ▶ [Checklist](#) for hENs under CPR – **to be revised**

Revision CEN-CENELEC [Guide 36](#) for drafting hENs under CPR: **ongoing**

- ▶ Deletion of references to TC answers to mandate
- ▶ Ensure full alignment of hENs with standardization request
- ▶ Deletion of some clauses (e.g., marking, labelling and packaging)
- ▶ Inclusion of examples: Foreword, model text for essential characteristics, terminology to avoid
- ▶ Clear rules on normative references
- ▶ Potential integration of AVCP guidance into CEN-CLC Guide 36

- ▶ In 2021, Technical Boards approved the mandatory use of a horizontal checklist for hENs → a **CPR checklist** was also developed
- ▶ TCs: ensure that CPR checklist is filled before submitting draft hEN to CCMC
  
- ▶ In May 2023, BT approved new mandatory EC-ESO common checklist (see [webinar](#))
- ▶ CPR checklist will be **revised** to align with the new checklist → in close cooperation with the EC



# Checklist for hENs (II)

v2021-10-08

## Checklist – Items to be considered when drafting standards answering a mandate or Standardisation Request and to be offered for citation in the OJEU under the CPR

This checklist was prepared following the format of Internal Regulations CEN/CENELEC Part 3 – Annex A “Checklist for writers and editors of document”. All CEN/CENELEC standards and deliverables shall follow the provisions of IR 3.

This checklist is only applicable to the draft standards candidate for citation under the Construction Products Regulation.

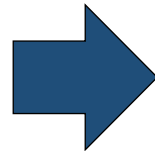
This checklist shall be fulfilled before dispatch for:

1. the First Working Draft for optional assessment (if any),
2. the draft for Enquiry,
3. the final draft for Formal vote,
4. In case of lack of compliance assessment, a new optional assessment after Formal vote (PUB assessment).

The Technical Committee secretary in CEN and the Technical body secretary/reporting secretariat in CENELEC are responsible for ensuring that the checklist below is filled out and submitted to CCMC with the draft candidate harmonized standards and their supporting documents/justifications where relevant. In CEN, the [matrix of responsibilities](#) shall be followed (see decision BT C081/2018). In CENELEC, the [matrix of responsibilities](#) shall be followed (see decision D169/006).

Guidance on the horizontal aspects to be considered when preparing harmonised standards in support of EU legislation can be found on [CEN](#) and [CENELEC](#) BOSS pages. It is strongly recommended to use the checklist for the drafting of harmonized standards in support of EU Legislation under VA and FA (with ISO or IEC lead).

	Check the following questions – if you answer yes to all the questions, the draft is probably ready for submission to CCMC (and HAS Consultant assessment).	Check
<b>General</b>	Is this draft standard listed in a Standardisation Request / covered by a Mandate?	<input type="checkbox"/>
	Is this reflected in Projex-online database?	<input type="checkbox"/>
	Was the draft standard prepared based on the original mandate or standardization request?	<input type="checkbox"/> Yes <input type="checkbox"/> No



<b>European foreword</b>	If not, is there a TC answer to the mandate prepared according to the recent EC instructions to justify adjustments to the essential characteristics?  <i>NB: The TC answer to the mandate cannot be used if it goes beyond the boundaries of the original mandate. It cannot contradict, modify, reduce or extend the content of the original mandate. However, it can be used to facilitate and clarify the operationalisation of essential characteristics in the original mandate. It is possible to operationalise the essential characteristic by means of sub-characteristics (new or modified compared to the original mandated ones) and a justification must be provided.</i>	<input type="checkbox"/>
	If the HAS assessment was performed (i.e. optional assessment at First Working Draft (FWD) stage or assessment at Enquiry stage), has the WG answered all comments from the HAS Consultant(s)?  <i>NB: The last column of the HAS Assessment Report ('Observations of the secretariat') at previous stage shall be filled in with the information on how the comments have been addressed.</i>	<input type="checkbox"/>
	If the standard is a revision, are the significant changes with respect to the previous edition precisely defined?  <i>NB: The list of the significant changes with respect to the previous edition is an important element of the useful information to the standard users. It should not be too vague.</i> <i>NB: When the list of significant technical changes is extensive, it may be included in an informative annex. A reference to that annex shall be included in the foreword, preferably after the generic sentence that refers to the superseded document.</i>	<input type="checkbox"/>
	Does it include the following sentences “The standard has been prepared under a standardisation request given to CEN/CENELEC by the European Commission and the European Free Trade Association. For relationship with EU Regulation, see informative Annex Z, which is an integral part of this document.”?	<input type="checkbox"/>

## Part A - Criteria for ESOs only

### Introduction

This checklist shall be filled in before dispatch for:

1. the First Working Draft for optional assessment (if any),
2. the draft for Enquiry,
3. the final draft for Formal vote,
4. In case of lack of compliance assessment at Formal Vote, a Last Confirmatory Assessment.

The Technical Committee secretary in CEN and the Technical body secretary / Reporting Secretariat in CENELEC are responsible for ensuring that the checklist below is filled in and submitted to CCMC with the draft candidate harmonised standards and their supporting documents/justifications where relevant. In CEN, the [matrix of responsibilities](#) shall be followed (see decision BT C081/2018). In CENELEC, the [matrix of responsibilities](#) shall be followed (see decision D169/006).

Guidance on the horizontal aspects to be considered when preparing harmonised standards in support of EU legislation can be found on [CEN](#) and [CENELEC](#) BOSS pages.

It is strongly recommended to use the checklist for the drafting of harmonised standards in support of EU Legislation under VA and FA (with ISO or IEC lead).

If all the questions in the checklist can be positively answered, this increases the likelihood of receiving a compliant assessment and of being accepted by the European Commission.

Clarifications or justifications shall be given in the comment section.

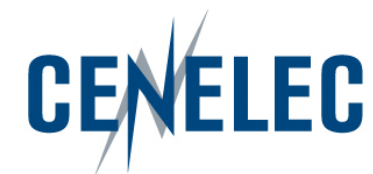
### Information on the project (to be filled in by the Technical Body):

<b>Standard reference</b>	
<b>WI reference</b>	
<b>Stage</b>	
<b>Legislation supported</b> indicate legal act reference(s), its short title (or acronym) and relevant articles and/or annexes supported	Indicate which is the legislation that is being assessed here (e.g. Directive/Regulation xxxx/xxxx, Short title, Article X/Annex X)  If the aspects assessed have a link with another legislation (e.g. electrical safety for LVD and RED) indicate whether a coordination took place or not
<b>Standardisation request(s)</b> give reference number and relevant point of a request	Indicate the Standardisation Requests/mandate corresponding to the legislation above (i.e. the one that is being considered in this assessment.) [e.g. M/xxx, Annex I point 3 of Table 1]
<b>ESO technical body</b>	Reference of the Technical Body
<b>ISO/IEC parallel work</b>	<input type="checkbox"/> No <input type="checkbox"/> Yes

1.1 Criteria for ESOs only	Compliance check	Comments/Justifications from Technical Body
1.1.1 The draft standard is listed in a Standardisation Request / covered by a Mandate supporting legislation.  <ul style="list-style-type: none"> <li>This is reflected in Projex-online database for CEN/CENELEC</li> </ul>	<input type="checkbox"/> Fulfilled <input type="checkbox"/> Not fulfilled	
<i>NOTE: This information is normally already provided in the NW1 proposal form. If not, contact the TC secretariat. A possible way forward is to propose to the European Commission to add this work item in a (amended/revised) Standardisation Request. This is not applicable if the standard is covered by an old-format "open" Mandate (e.g. M/396 Machinery).</i>		
1.1.2 The WG has answered to all the comments from the previous stage assessment of the HAS consultant(s)  <i>NOTE: The last column of the HAS Assessment Report ('Observations of the secretariat' at previous stage shall be filled in with the information on how the comments have been addressed.</i>	<input type="checkbox"/> Fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> N/A	
1.1.3 If the standard is a revision, the significant changes with respect to the previous edition are precisely defined in the Foreword.		

## Part B.3: Common criteria for EC/HAS and ESO

1.2 Common criteria	Compliance check	If not fulfilled: Clause/ Subclause/ § number	Comments/Justifications from HAS consultant	Observations of the secretariat / response from TC/ actions taken by TC
1.2.1 The terminology (including definitions) is consistent with relevant EU legislation.	<input type="checkbox"/> Fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> N/A			
1.2.2 The Foreword and the Introduction only contains appropriate information (e.g. they shall not contain requirements, legal or technical interpretations or information outside of the scope of the document).	<input type="checkbox"/> Fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> N/A			
1.2.3 The Scope covers products, services or aspects concerned, at least in part, by the relevant legal requirements of EU legislation and the relevant standardisation request.	<input type="checkbox"/> Fulfilled <input type="checkbox"/> Not fulfilled <input type="checkbox"/> N/A			



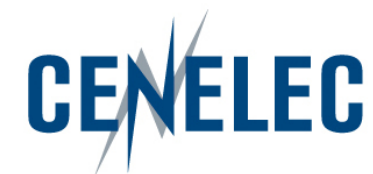
European Standardization Organizations

# Closing remarks

Webinar 'Harmonized standards under CPR'

1. Participate in the Acquis process (it is a great opportunity)
2. Have a plan, define the approach and timeframe
3. Consider the standards that need development, including supporting standards such as test methods or PCR's (Product Category Rules according to EN 15804)
4. Standardization Request needed before writing standards
5. Liaise with Member States and with the European Commission
6. Seek support from CCMC

- ▶ AUWP: Annual Union Work Programme for European Standardization
- ▶ BT: Technical Board
- ▶ CoS: European Commission's Committee on Standards
- ▶ EC: European Commission
- ▶ hEN: Harmonized standard
- ▶ LCA: Life Cycle Assessment and Last Confirmatory Assessment
- ▶ PCR: Product Category Rules
- ▶ c-PCR: Complementary Product Category Rules
- ▶ EPD: Environmental Product Declaration
- ▶ SRAHG = Standardization Request Ad-Hoc Group
- ▶ SReq = Standardization Request
- ▶ SG: Subgroup



Thank you for your participation!

#### Next webinars

2023-06-30 - [Webinar 'Measures to comply with new EU Reg. 2022/2480 amending EU Reg. 1025/2012'](#)

2023-07-07 - [Webinar 'Matrix of responsibilities for requesting common modifications to IEC standards and the inclusion of Annex Z/\(ZA\) in IEC Standards'](#)

2023-07-11 - [Webinar 'CENELEC Meeting Registration System \(MRS\) – Important information'](#)