

New Construction Products Regulation

Regulation (EU) 2024/3110

DG GROW H.1



2024/3110

18.12.2024

REGULATION (EU) 2024/3110 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

of 27 November 2024

laying down harmonised rules for the marketing of construction products and repealing Regulation (EU) No 305/2011

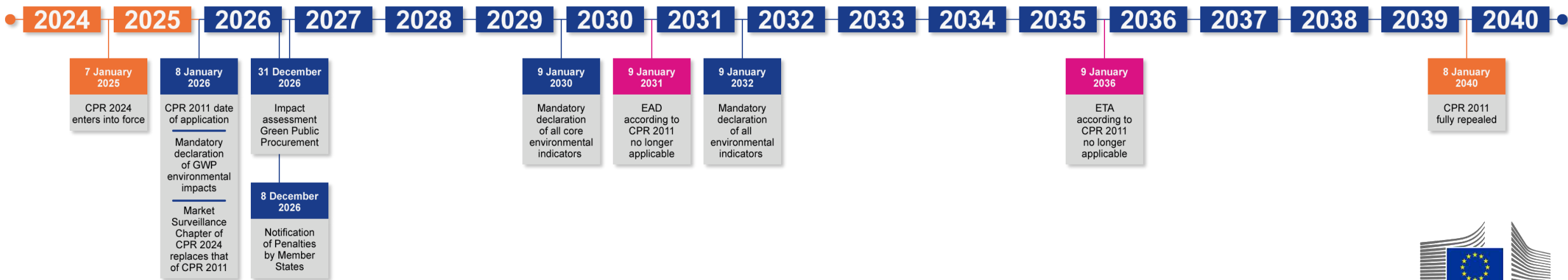
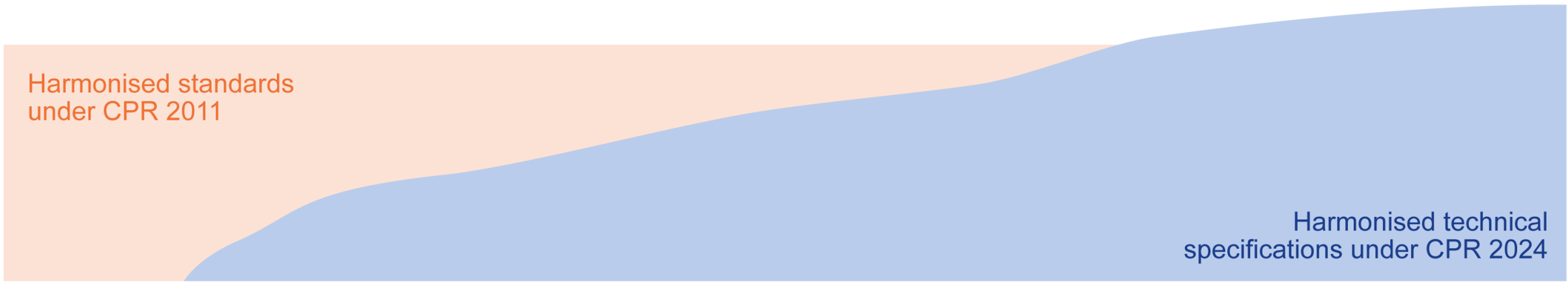
PE/12/2024/REV/1

OJ L, 2024/3110, 18.12.2024

ELI: <http://data.europa.eu/eli/reg/2024/3110/oj>



CPR transition harmonised technical specifications



Product families and priorities

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

-  Horizontal subgroups
-  Product families in Annex VII
-  New product family



Annex VII



Product families and priorities

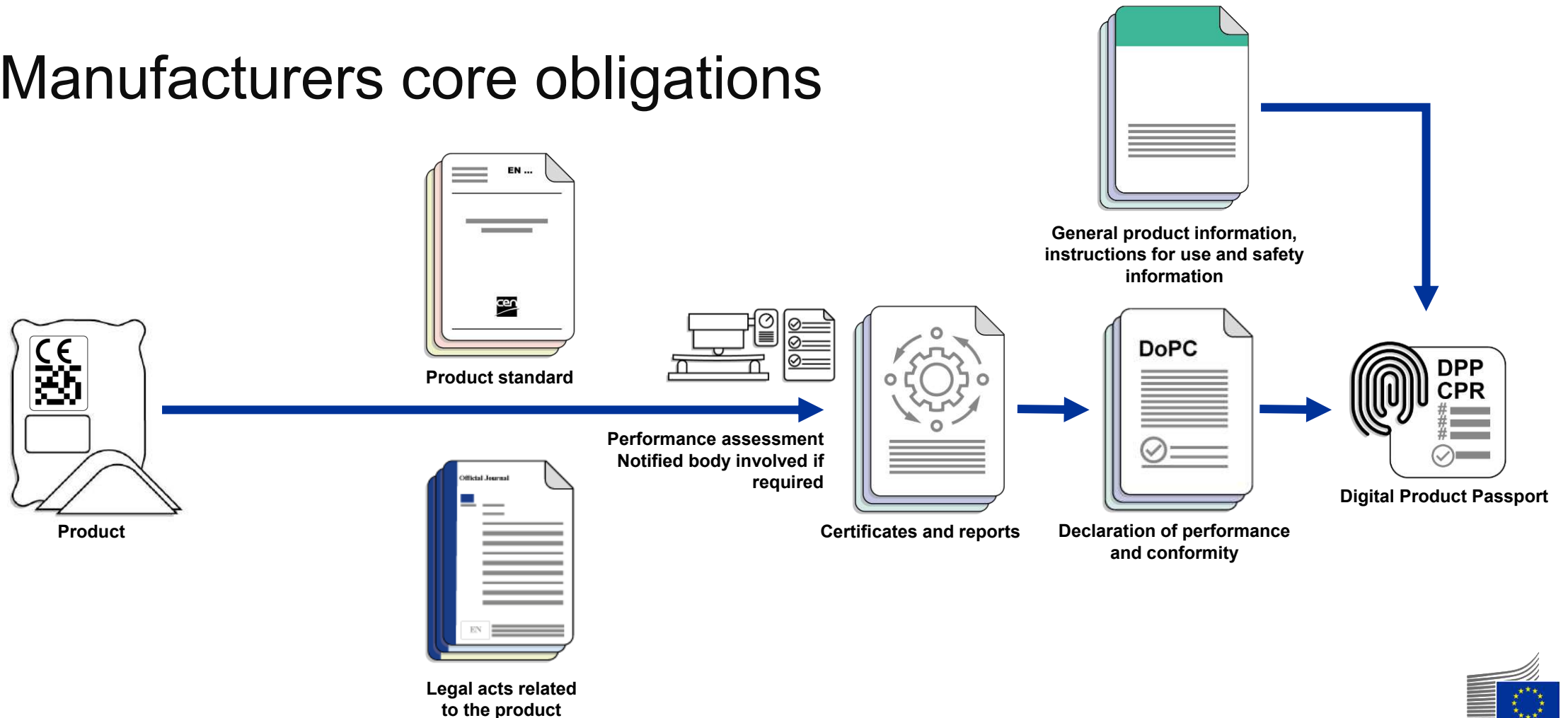


Annex VII



Placing products on the EU market

Manufacturers core obligations





Harmonised zone

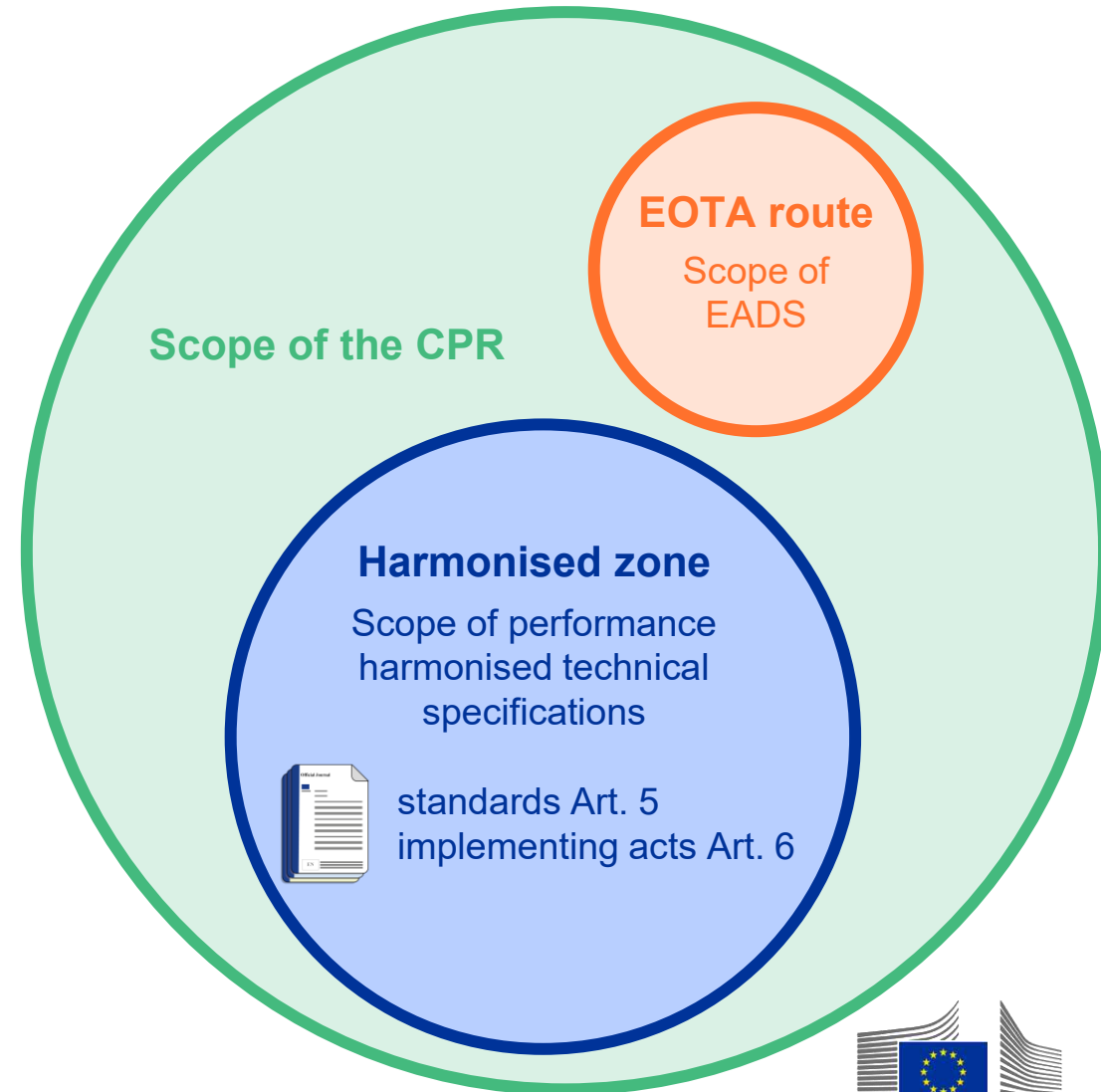


Harmonised zone

Products in the scope of a performance harmonised technical specification

Scope must be clear

Products outside the harmonised zone can be voluntarily CE marked following the EOTA route



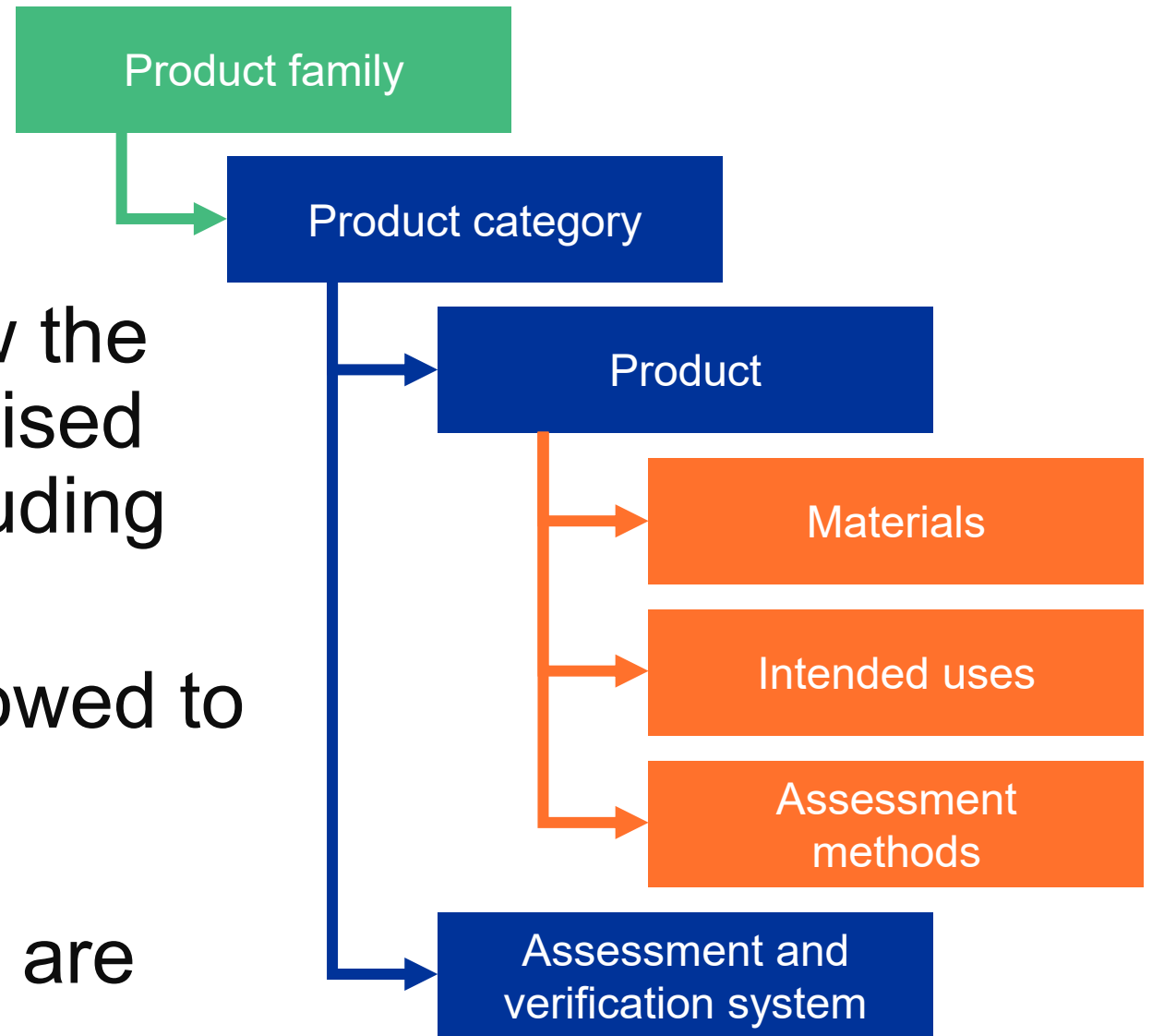
Article 11



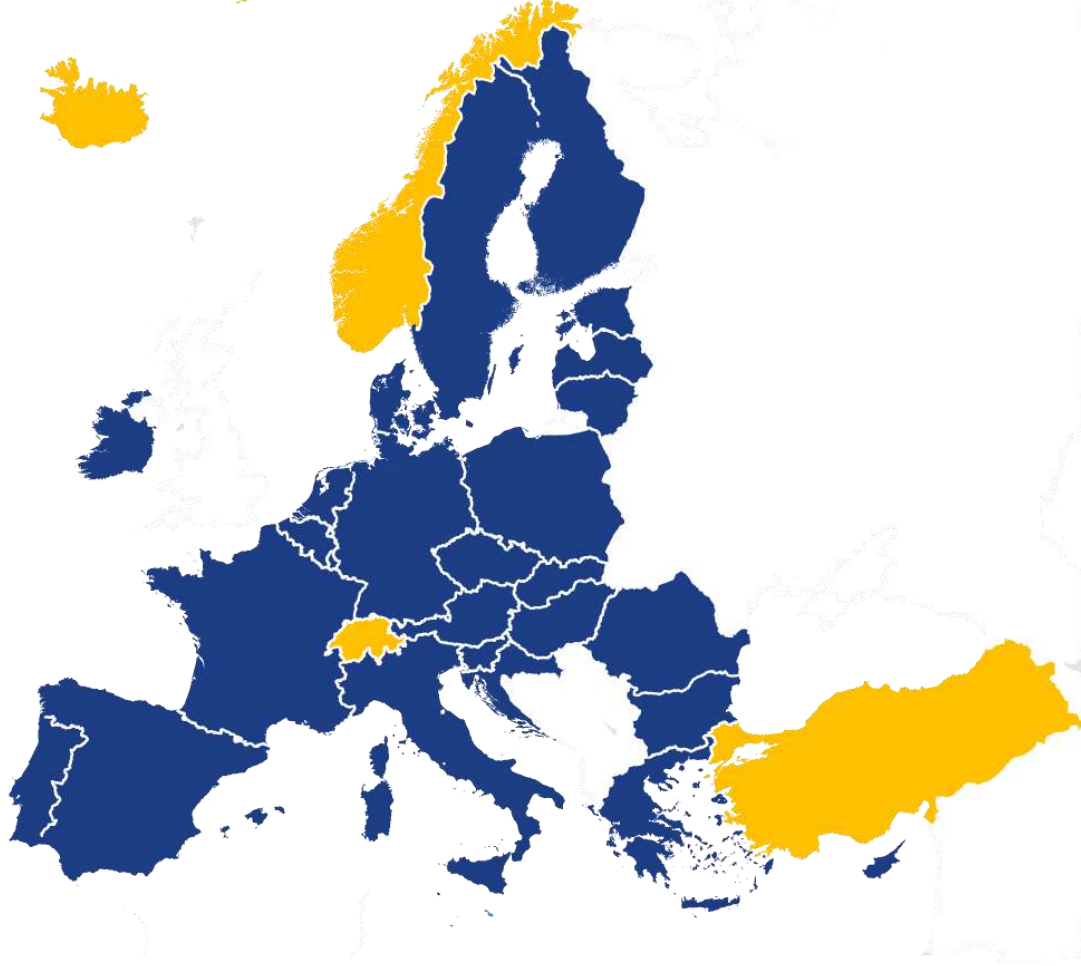
Harmonised Zone

Member States must follow the rules set out in the harmonised technical specification including third party tasks.

Member States are not allowed to have additional rules or requirements for product characteristics or how they are assessed.



For products within the harmonised zone,
Member States can...



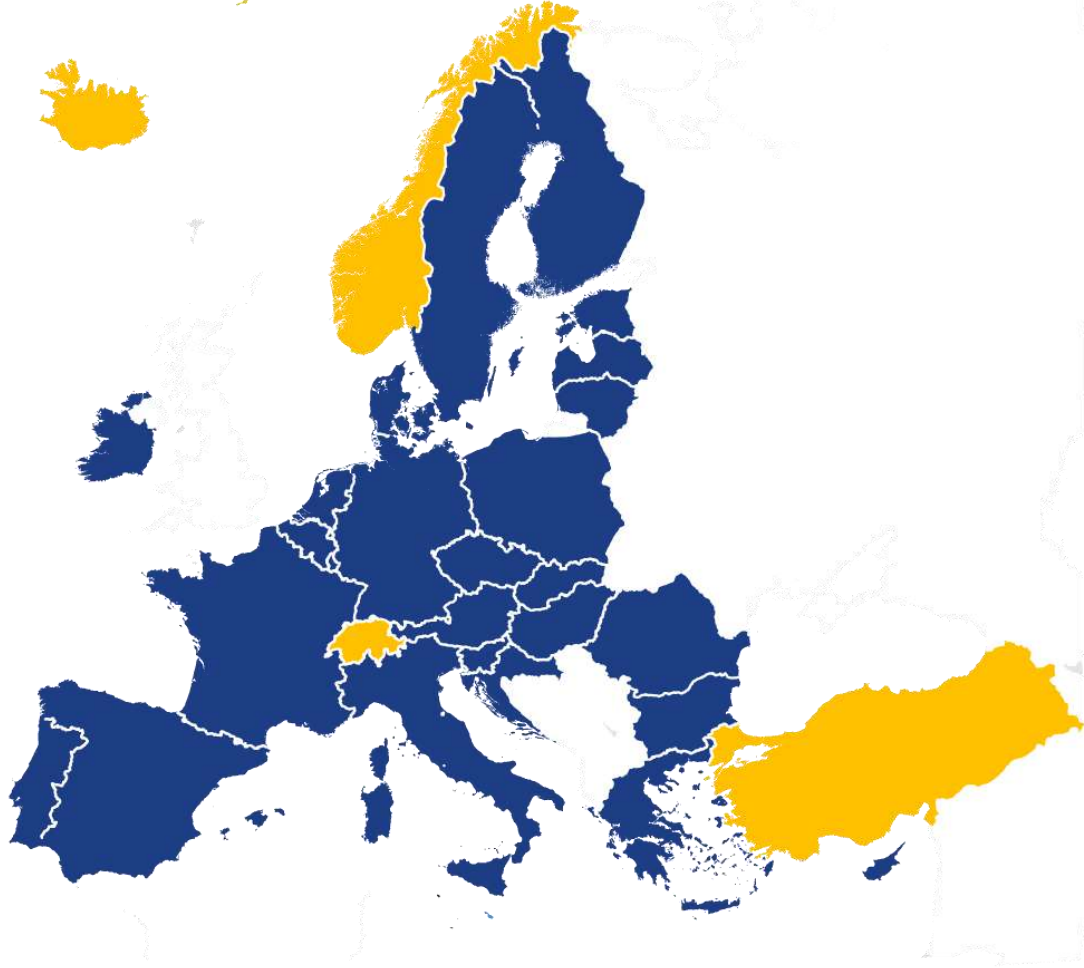
- establish minimum performances for all or certain applications
- require more ambitious thresholds
- specify national requirements for the use of products
- decide that some performances are not required



Article 11(2) & 11(3)



For products within the harmonised zone, Member States cannot...



- require a different assessment method for the declaration
- demand different third-party tasks to those defined by the CPR
- require additional essential characteristics not included in the harmonised standard

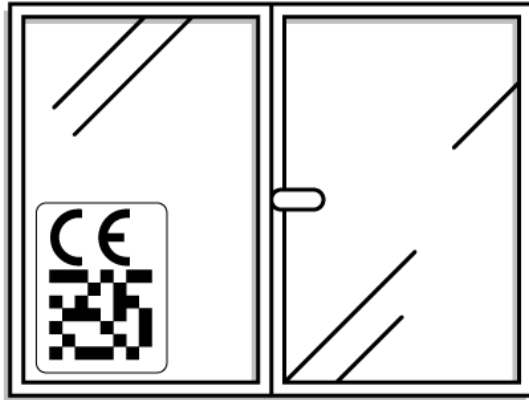


Article 11(2) & 11(3)



EU regulated area

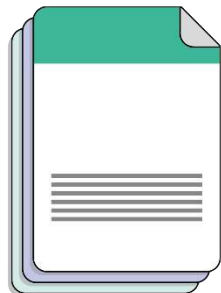
Harmonised zone



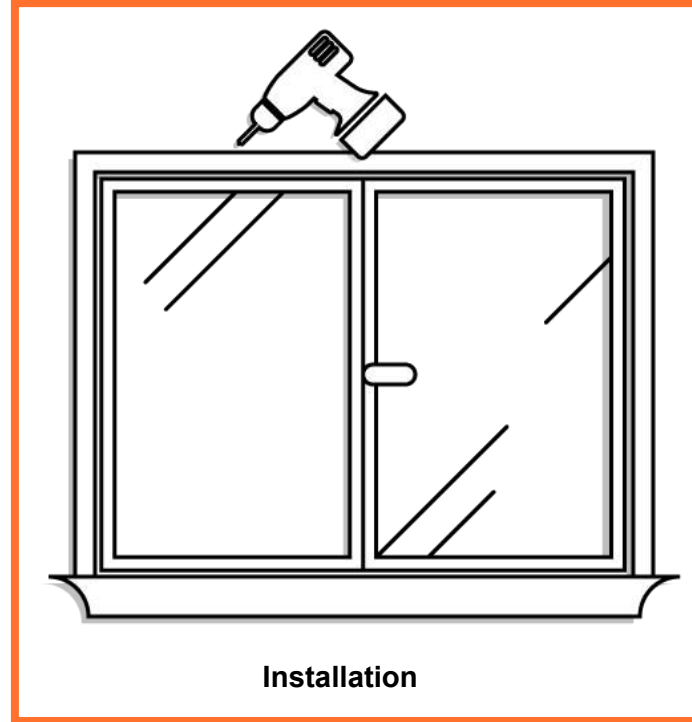
Placing on the market



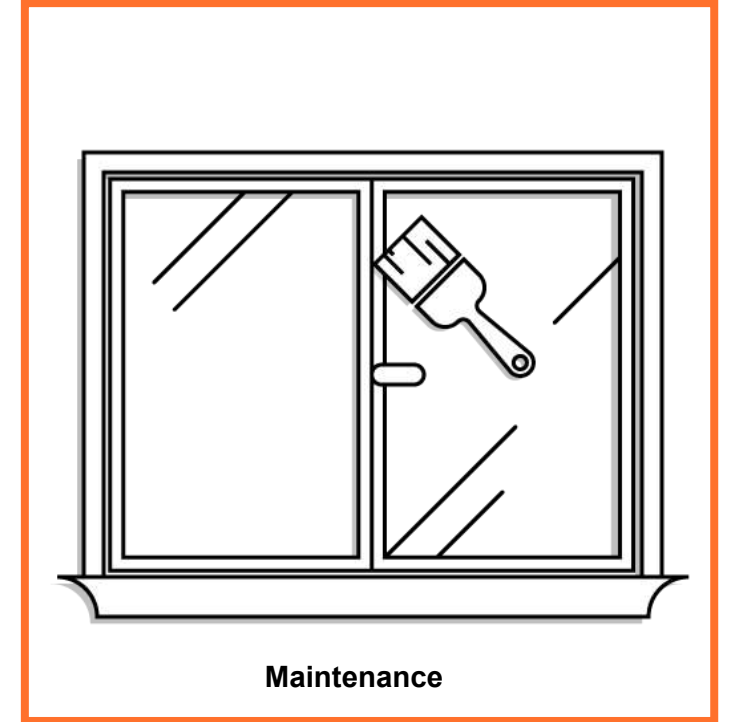
Declaration of performance and conformity



General product information, instructions for use and safety information



Installation



Maintenance



Scope of the CPR

IN

construction products including used products

key parts of products

parts or materials intended to be used for products, if the manufacturer of the parts or materials requests it

OUT

lifts and, performance assessment and requirements subject to the drinking water directive

products not placed on the European market (products delivered as part of a service including manufacturing onsite are placed on the market)

Binding decisions (implementing act) whether an item is covered



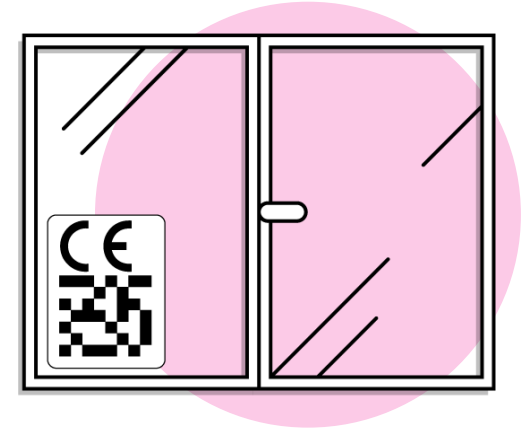
Articles 2, 3(1), 3(2), 3(3), 3(5) & 84



Basic principles



CE marking meaning



Affixing the CE marking and drawing up the relevant DoPC means assuming the responsibility for the conformity of the product with the declared performance and applicable product requirements.

By affixing the CE marking, the economic operator becomes liable for the declared performance and the fulfilment of those requirements in accordance with national law on contractual and extra-contractual liability.

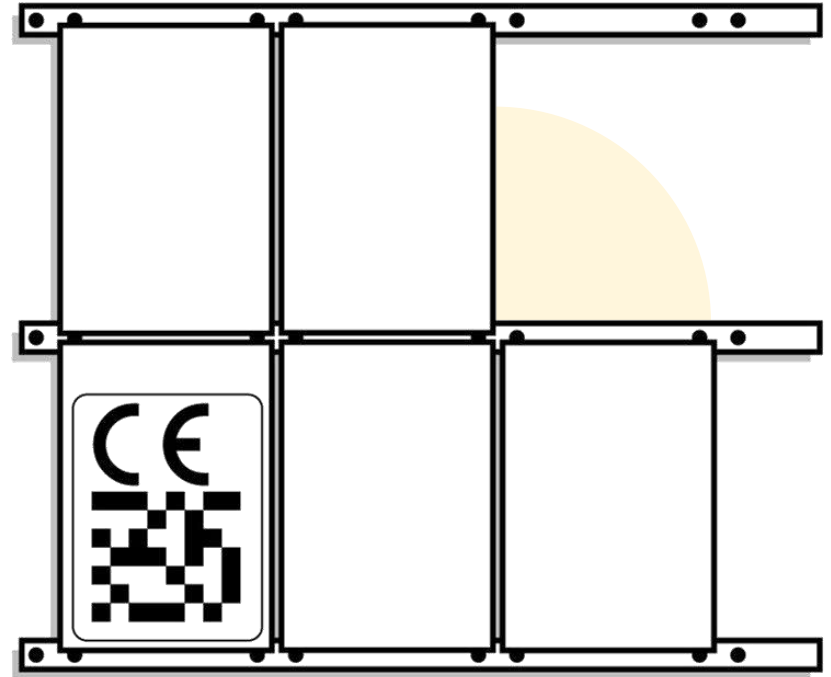


Article 13(2)



Kit

product placed on the market by a single economic operator as a set of at least two separate items, none of which needs to be a product itself, intended to be incorporated together into construction works.




Article 3(17)



Product type

abstract model of individual products, determined by the intended use and a set of characteristics which exclude any variation with regard to performance or to the fulfilment of product requirements set out in or in accordance with this Regulation, although identical products of different manufacturers belong to different product types



Granularity
of the
declaration



Article 3(27)



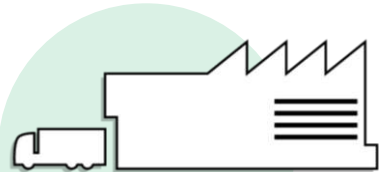
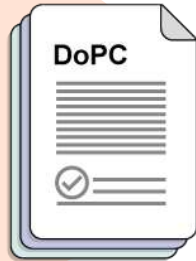
Construction Products Regulation

Product related regulatory needs

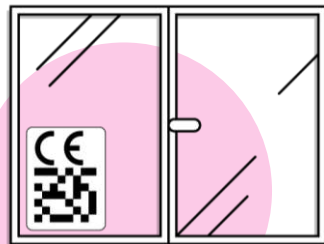
National construction codes

Single market for construction products

Declaration of performance and conformity



Manufacturer



CE marking



Construction works

Placing on the market



Know your rights in the EU? Obstacles?

the most relevant EU and national websites.

s and [businesses](#), or try our [search form](#):

er or a business? *

Please

rested in? *

Please select



Article 11(4)

Obligation for Member States

Member States must register all national laws and measures regarding construction products in the Single Digital Gateway by entry into force

https://commission.europa.eu/projects/single-digital-gateway_en



CPR Technical Acquis process

Fire	1 Precast normal/ lightweight/ autoclaved aerated concrete products	17 Masonry and related products - Masonry units, mortars, and ancillaries.	5 Structural bearings - Pins for structural joints	7 Gypsum products	6 Chimneys, flues and specific products
Dangerous substances	20 Structural metallic products and ancillaries	24 Aggregates	34 Building kits, units, and prefabricated elements	33 Fixings	32 Sealants for joints
Environmental sustainability	16 Reinforcing and prestressing steel for concrete – Post-tensioning kits	10 Fixed fire fighting equipment	21 Internal & external wall and ceiling finishes. Internal partition kits	3 Membranes, including liquid applied and kits	35 Fire stopping, sealing and protective products - Fire retardant products
	2 Doors, windows, shutters, gates and related building hardware	23 Road construction products	27 Space heating appliances	30 Flat glass, profiled glass and glass block products	29 Construction products in contact with water intended for human consumption

Harmonised standards development



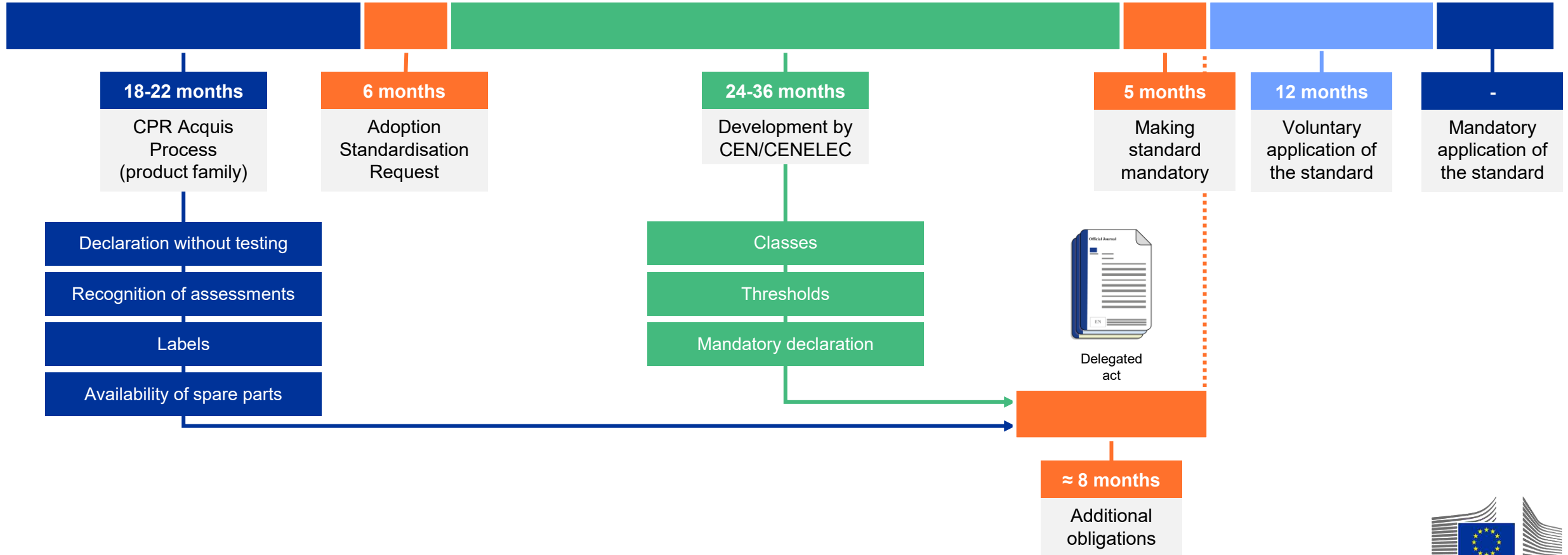
Standardisation request



Candidate harmonised standard



Implementing act



Committees and expert groups



CPR acquis process – Milestones

0

Pre-standardisation work

- Development of assessment methods not available or not harmonised

I

Work programme and scope

- List of products, materials, intended uses and forms and shapes (when relevant)

III

Preparation of the technical content

- BRCW and essential characteristics
- Product requirements

Standard drafting

- Drafting of harmonised standards by CEN/CENELEC

II

Creation of technical boards

- Specific task groups to deal with subfamilies

IV

Final consultation

- Standardisation request
- Delegated act for product requirements

Making standard mandatory

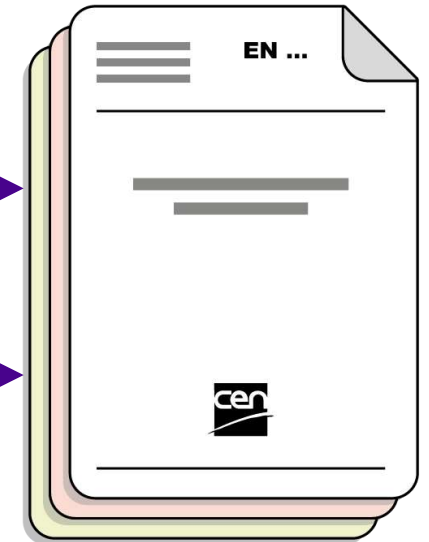
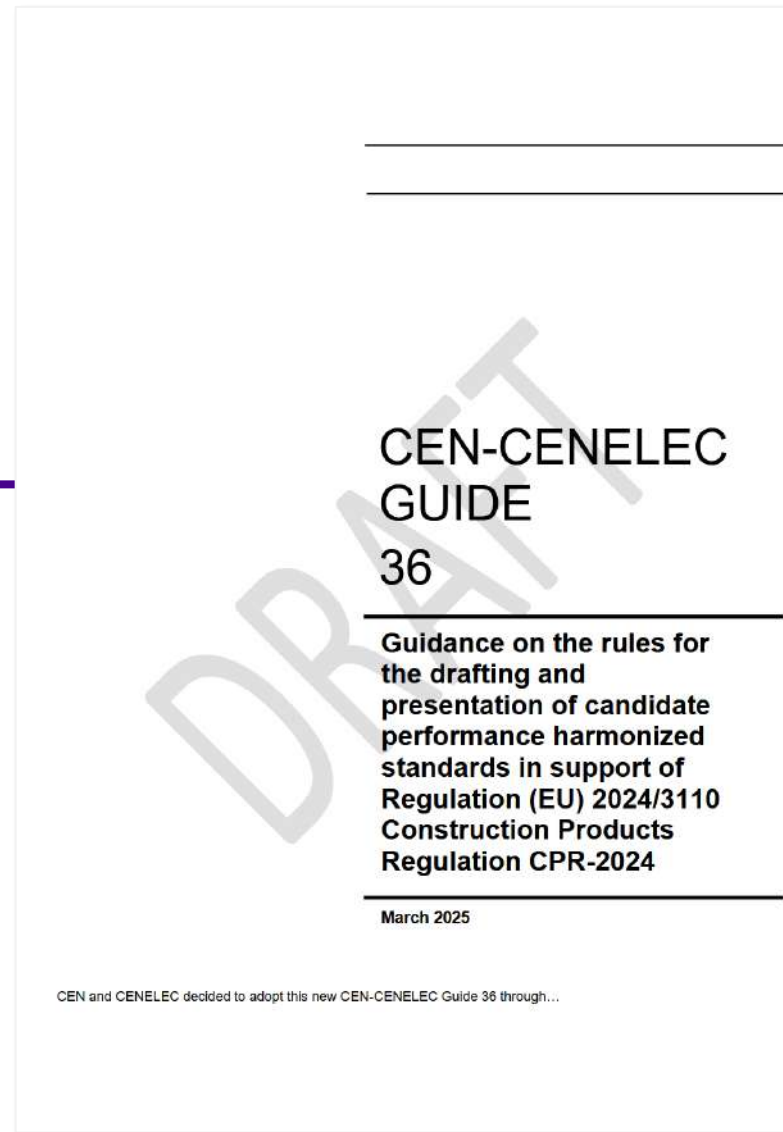
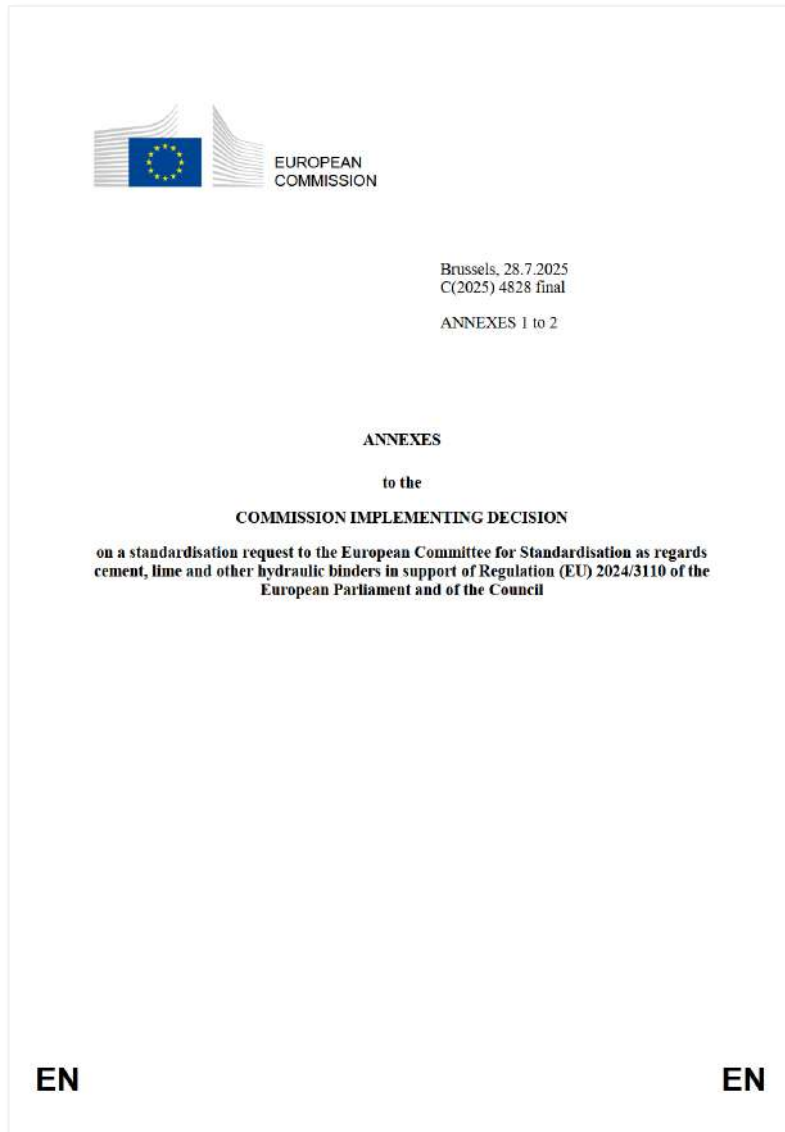
- Implementing act
- Delegated act (classes, threshold, mandatory declaration, etc.)



Practical example



Essential characteristics development



Essential characteristics development

CEN shall follow the procedures in place for quality verification of harmonised standard before their adoption.

2.2. References to standards

The harmonised standards shall only contain unequivocal dated normative references to other CEN standards, CEN ISO standards, ISO standards or parts thereof ('supporting standards'). Supporting standards or parts thereof may neither conflict with Union law nor provide for discretion where such discretion has not been laid down in Union law and shall not include direct or indirect references to national provisions.

Supporting standards shall not include normative references to other standards or parts thereof other than those fulfilling the conditions set out in this point. Where these conditions are not fulfilled, the harmonised standard may clarify the normative reference referred to, including the dates of the chain of references which are applicable.

2.3. Essential characteristics

In relation to the assessment and declaration of essential characteristics, the standards shall include the reference assessment method for each essential characteristic (the harmonised standard may offer additional information referring to other supporting standards as regards sampling or testing conditions when needed).

For all essential characteristics, the same methods and criteria for assessing the performance shall apply across products, unless it is found necessary, and justified in writing, to apply particular methods and or criteria in relation to particular products.

For the essential characteristics related to the content and release of emission of dangerous substances, the harmonised standards shall apply assessment methods applicable across materials, consistent with those developed by the Technical Committee dealing with construction products – assessment of release of dangerous substances.

For the essential characteristics related to environmental sustainability, the harmonised standards shall identify and enumerate all the relevant elements of performance related to the whole life cycle of the products concerned. This standardisation work shall be consistent with Annex II of Regulation (EU) 2024/3110, the most updated version of the horizontal standard dealing with sustainability of construction works – environmental product declarations – core rules for the product category of construction products and with the complementary product category rules defined in the harmonised standard listed in Table 2, point 9, of Annex II.

When the declared performance is a numerical value or a class obtained from a numerical value, the harmonised standards shall include the following information for each essential characteristic:

- the physical dimensions according to the SI standard: time (T), length (L), mass (M), electric current (I), thermodynamic temperature (K), amount of substance (N) and luminous intensity (J) a derivation of them or ratio in case of dimensionless quantities;
- the statistical value declared expressed using a specific point, like the fractile (e.g., 50% fractile is the median) and a confidence interval, which indicates the range within which the true value is likely to fall, as well as the probability that this interval contains the true value. In justified circumstances a simpler method, such as setting out a characteristic value can also be applied;
- the units in which the performance is expressed or dimensionless;
- when applicable, the rounding method used for the declaration.

EN

4

EN

Group	BRCW ¹	Essential characteristic	EU threshold	Class	Comments
common cement	1	minimum standard compressive strength - 28 days	≥ 32.5 MPa	Table 24	mandatory declaration
		maximum standard compressive strength - 28 days		Table 25	
		minimum very early compressive strength - 24 h			
		minimum early compressive strength - 2 days		Table 32	
		minimum early compressive strength - 7 days		Table 33	
		minimum late compressive strength - 56 days			
		minimum late compressive strength - 90 days			
		initial setting time	≥ 45 min		mandatory declaration
		loss on ignition	≤ 3.0%		mandatory declaration only for primary cement (a minimum of 95% clinker) and binary cements with clinker and 30% to 95% of blast furnace slag
		soundness	≤ 10 mm		mandatory declaration
		heat of hydration			
		pozzolanicity - hydroxyl ion concentration			relevant only for pozzolanic cements with a maximum of 55% of a combination of silica fume, natural pozzolana, natural activated pozzolana, fly ash and coal bottom ash and a maximum of 10% silica fume
		pozzolanicity - calcium oxide concentration			relevant only for pozzolanic cements with a maximum of 55% of a combination of silica fume, natural pozzolana, natural activated pozzolana, fly ash and coal bottom ash and a maximum of 10% silica fume
		insoluble residue content	≤ 5.0%		mandatory declaration and threshold only for primary cement (a minimum of 95% clinker) and binary cements with clinker and 30% to 95% of blast furnace slag
		sulphate content			
chloride content	≤ 0.10%		mandatory declaration, threshold not applicable to binary cement with clinker and a maximum of 95% of blast furnace slag and to composite cements with a minimum of 35% clinker, a maximum of 59% of blast-furnace slag and a maximum of 20% of natural pozzolana, natural activated		

EN

12

EN

Standardisation request



Essential characteristics development

Standardisation
request

Group	BRCW ¹	Essential characteristic	EU threshold	Class	Comments
		minimum standard compressive strength - 28 days	≥ 32.5 MPa	Table 24	mandatory declaration

In relation to the assessment and declaration of essential characteristics, the standards shall include the reference assessment method for each essential characteristic (the harmonised standard may offer additional information referring to other supporting standards as regards sampling or testing conditions when needed).

- (a) the physical dimensions according to the SI standard: time (T), length (L), mass (M), electric current (I), thermodynamic temperature (K), amount of substance (N) and luminous intensity (J) a derivation of them or ratio in case of dimensionless quantities;
- (b) the statistical value declared expressed using a specific point, like the fractile (e.g., 50% fractile is the median) and a confidence interval, which indicates the range within which the true value is likely to fall, as well as the probability that this interval contains the true value. In justified circumstances a simpler method, such as setting out a characteristic value can also be applied;
- (c) the units in which the performance is expressed or dimensionless;
- (d) when applicable, the rounding method used for the declaration.



Essential characteristics development

Group	BRCW ¹	Essential characteristic	EU threshold	Class	Comments
		minimum standard compressive strength - 28 days	≥ 32.5 MPa	Table 24	mandatory declaration

TEMPLATE

Table ZA.1.1 includes the essential characteristics related to [name of product A-n as given in the standardization request] for the intended use [intended use 1-n as given in the standardization request] and the applicable assessment and verification systems according to the delegated act adopted by the EC: [code of the EC legal act, adopted by the EC] [(insert here the No. of OJEU)].

Table ZA.1.1 - relevant clauses for product [A-n] and intended use [1-n]

Essential characteristic	Clause	Clause method	Symbol	Reference document	Reference document clause	Quantity	Unit	Value kind	Possible values	Boundary values	AVS	Notes
[name of essential characteristic 1 as given in the standardization request]	4.[x]	5.[x]	[symbol]	[EN...]	[X]	[X]	[unit]	[value kind]	[class]	[threshold/declared]	[X]	[note]
...

CEN Guide 36



Essential characteristics development

Essential characteristic	Clause	Clause method	Symbol	Reference document	Reference document clause	Quantity	Unit	Value kind	Possible values	Boundary values	AVS	Notes
[name of essential characteristic 1 as given in the standardization request]	4.[x]	5.[x]	[symbol]	[EN...]	[X]	[X]	[unit]	[value kind]	[class]	[threshold/declared]	[X]	[note]
...

Essential characteristic	Clause	Clause method	Symbol	Reference document	Reference document clause	Quantity	Unit	Value kind	Possible values	Boundary values	AVS	Notes
minimum standard compressive strength - 28 days	4.1	5.1		EN 196-1:2016		ML-1T-2	MPa	≥	classes	32.5 MPa	1+	



Essential characteristics

Example: cement

Essential characteristic	Assessment method	Quantity	Units	Classes	Thresholds
minimum standard compressive strength - 28 days	EN 196-1:2016	ML-1T-2	MPa	■	≥ 32.5 MPa
maximum standard compressive strength - 28 days	EN 196-1:2016	ML-1T-2	MPa	■	≥ 32.5 MPa
initial setting time	EN 196-3:2016	T	Min		≥ 45 min
loss of ignition	EN 196-2:2013	ratio	unitless		$\leq 5.0\%$
soundness	EN 196-3:2016	L	mm		≤ 10 mm
heat of hydration	EN 196-8:2010	L2T-2	J/g		
...					

Assessment and FPC may require third party involvement (notified bodies)



Classes

Example: cement

Essential characteristic	Assessment method	Quantity	Units	Classes	Thresholds
minimum standard compressive strength - 28 days	EN 196-1:2016	ML-1T-2	MPa	■	≥ 32.5 MPa
maximum standard compressive strength - 28 days	EN 196-1:2016	ML-1T-2	MPa	■	≥ 32.5 MPa
initial setting time	EN 196-3:2016	T	Min		≥ 45 min
loss of ignition	EN 196-2:2013	ratio	unitless		≤ 5.0%
soundness	EN 196-3:2016	L	mm		≤ 10 mm
heat of hydration	EN 196-8:2010	L2T-2	J/g		
...					

Classes

Essential characteristic	Declaration	Value
minimum standard compressive strength - 28 days	32.5	32.5 MPa
	42.5	42.5 MPa
	52.5	52.5 MPa

Essential characteristic	Declaration	Value
maximum standard compressive strength - 28 days	42.5	42.5 MPa
	52.5	52.5 MPa
	62.5	62.5 MPa

The list of essential characteristics reflects all regulatory and technical needs related to the product



Declaration of performance



Declaration of performance
and conformity

DoPC includes the declared performance of the product as placed on the market

Only some essential characteristics must be declared the rest is voluntary

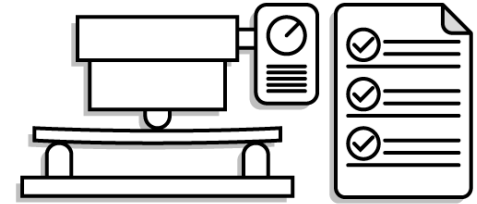
Declaration does not mean fit for purpose or safety

Member States can only regulate the essential characteristics available in the standard

Manufacturer is liable if the product does not reach the declared performance



Assessment method



Essential characteristic	Clause	Clause method	Symbol	Reference document	Reference document clause	Quantity	Unit	Value kind	Possible values	Boundary values	AVS	Notes
minimum standard compressive strength - 28 days	4.1	5.1		EN 196-1:2016		ML-1T-2	MPa	\geq	classes	32.5 MPa	1+	
maximum standard compressive strength - 28 days	4.2	5.2		EN 196-1:2016		ML-1T-2	MPa	\leq	classes		1+	

One essential characteristic per declared value

- Test method exhaustively specified, leaving no ambiguity in testing parameters or conditions
- Different parameters may be introduced as a different essential characteristic



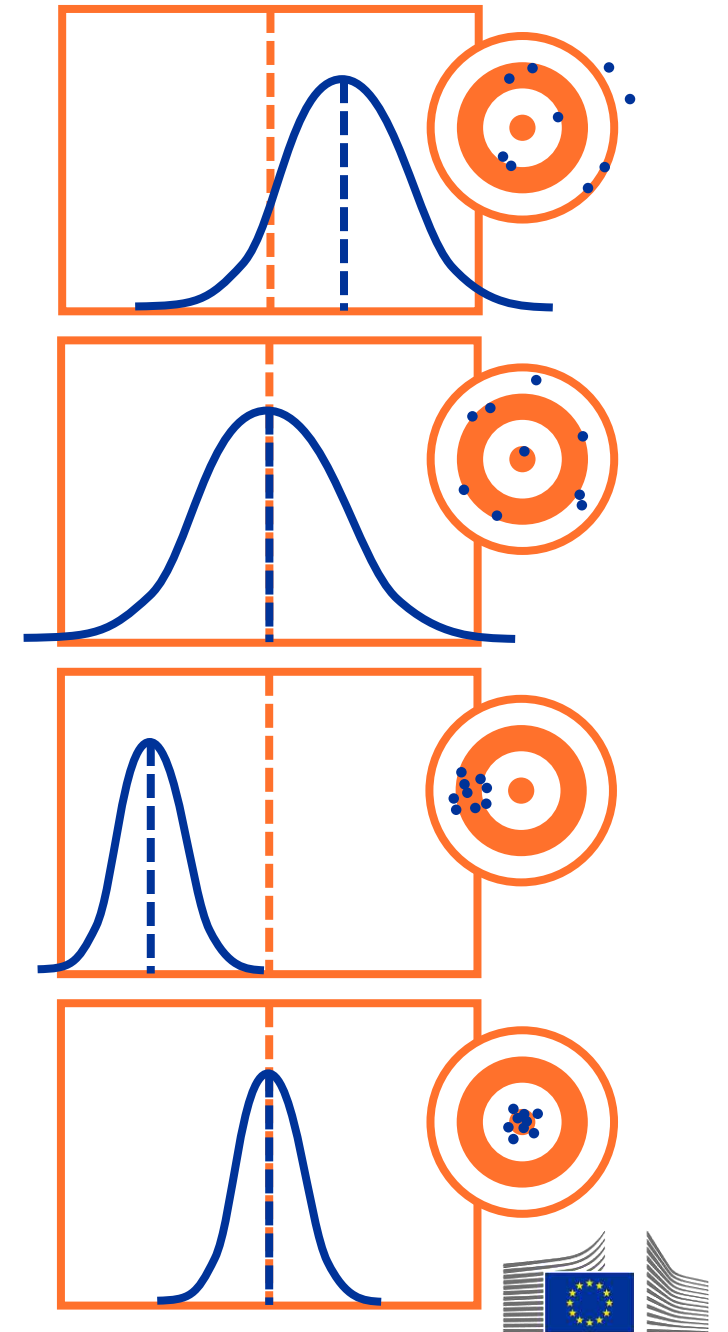
Assessment method

Fit for purpose method appropriate for its intended use and reflects the characteristic being assessed

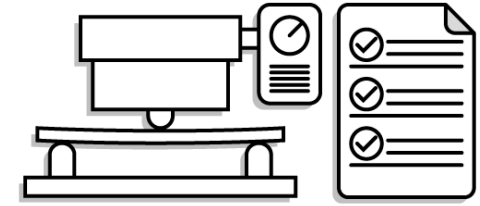
Reliable performance demonstrated through accuracy, precision, range, detection limits, and robustness

Controlled test conditions, parameters, and equipment calibration/validation clearly defined and maintained

Uncertainty measurement uncertainty evaluated, documented, and taken into account in reporting



Classes

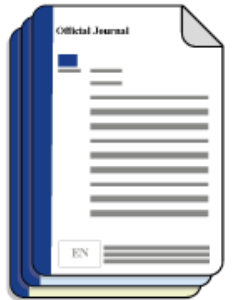


Classes

Essential characteristic	Declaration	Value
minimum standard compressive strength - 28 days	32.5	32.5 MPa
	42.5	42.5 MPa
	52.5	52.5 MPa

Essential characteristic	Declaration	Value
maximum standard compressive strength - 28 days	42.5	42.5 MPa
	52.5	52.5 MPa
	62.5	62.5 MPa

Established when needed

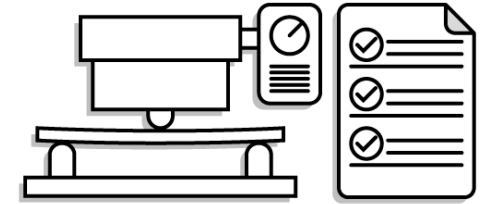


Delegated act

- Applicable if the performance is declared
- Mandatory declaration may also be established
- Threshold may also apply



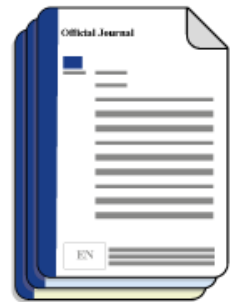
Declared performance



Essential characteristic	Clause	Clause method	Symbol	Reference document	Reference document clause	Quantity	Unit	Value kind	Possible values	Boundary values	AVS	Notes
minimum standard compressive strength - 28 days	4.1	5.1		EN 196-1:2016		ML-1T-2	MPa	≥	classes	32.5 MPa	1+	

Declare essential characteristics is voluntary unless:

- Mandatory declaration is established →
- Mandatory threshold level is established →
- Voluntary threshold level is established → and the intended use related to it is included in the declared use


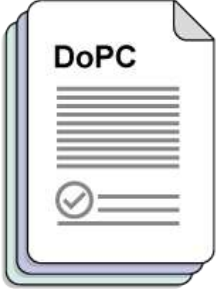


Delegated act



Release of dangerous substances

Every compound is a separate essential characteristic



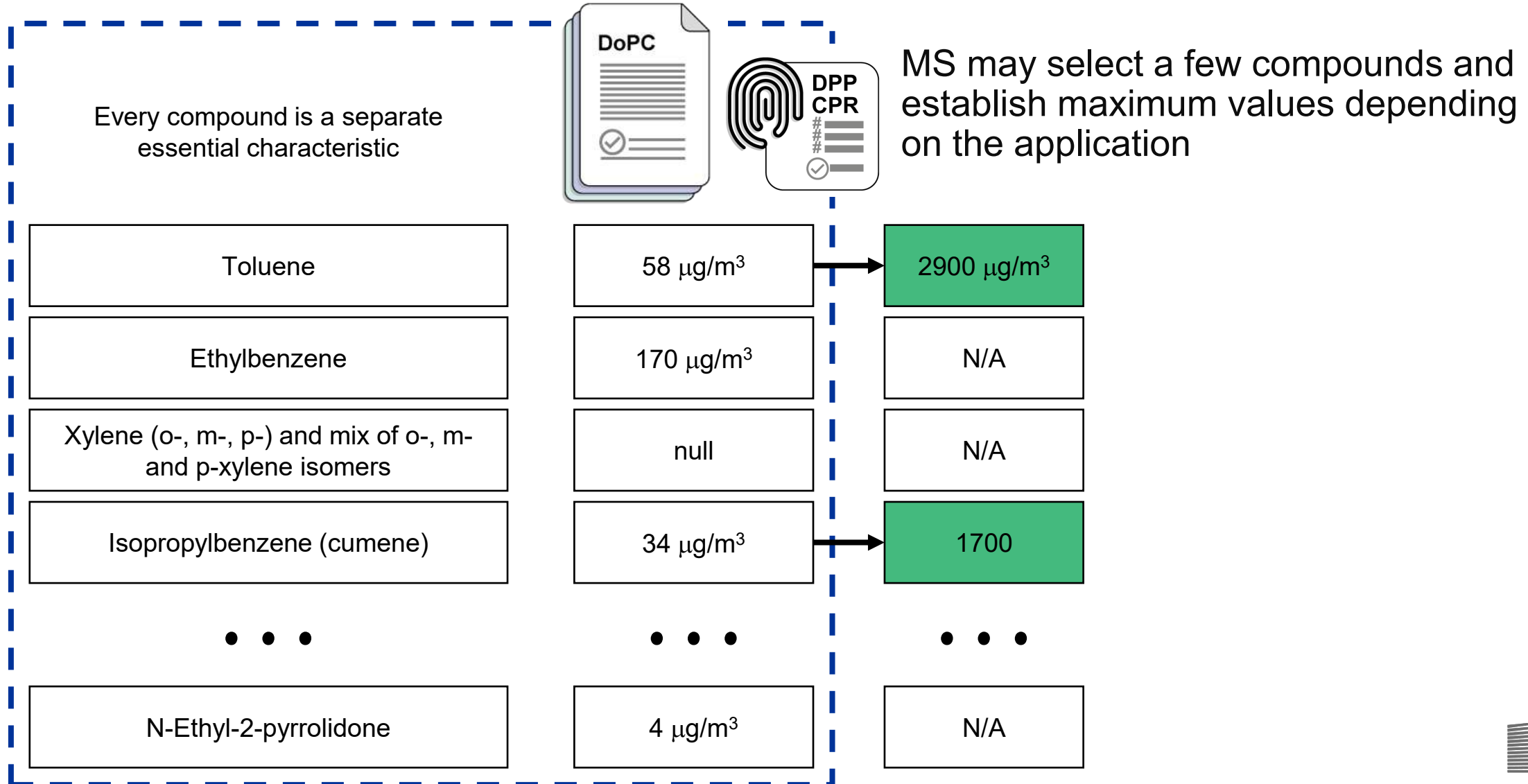
Toluene	58 $\mu\text{g}/\text{m}^3$
Ethylbenzene	170 $\mu\text{g}/\text{m}^3$
Xylene (o-, m-, p-) and mix of o-, m- and p-xylene isomers	null
Isopropylbenzene (cumene)	34 $\mu\text{g}/\text{m}^3$
• • •	• • •
N-Ethyl-2-pyrrolidone	4 $\mu\text{g}/\text{m}^3$

Manufacturer decides the performances declared

Member States to establish their requirements based on the list



Release of dangerous substances



Environmental sustainability declaration – Reference service life

Essential characteristic	Clause	Clause method	Symbol	Reference document	Reference document clause	Quantity	Unit	Value kind	Possible values	Boundary values	AVS	Notes
reference service life	4.[x]	5.[x]		EN15804:2012 +A2:2019 +AC:2021		T	years	=			3+	
climate change - total	4.[x]	5.[x]	...	EN15804:2012 +A2:2019 +AC:2021		M	kg CO ₂ eq.	≤			3+	
...

Default RSL defined in the standardisation request

Validity conditions of the default RSL (intended use, exposure, installation...)

Link to durability-related performance explaining how RSL relates to essential characteristics (ageing, degradation, long-term performance)

Rules for longer RSL claims including required technical solutions and performance evidence (e.g. higher performance levels or additional assessments demonstrating improved resistance to ageing or degradation)



Environmental sustainability declaration

Essential characteristic	Clause	Clause method	Symbol	Reference document	Reference document clause	Quantity	Unit	Value kind	Possible values	Boundary values	AVS	Notes
...
use of secondary material	4.[x]	5.[x]		EN15804:2012 +A2:2019 +AC:2021		M	kg	≥			3+	
...

The list of essential characteristics related to environmental sustainability includes the full list of indicators in EN 15804+A2 (not included in Annex II of CPR-2024)

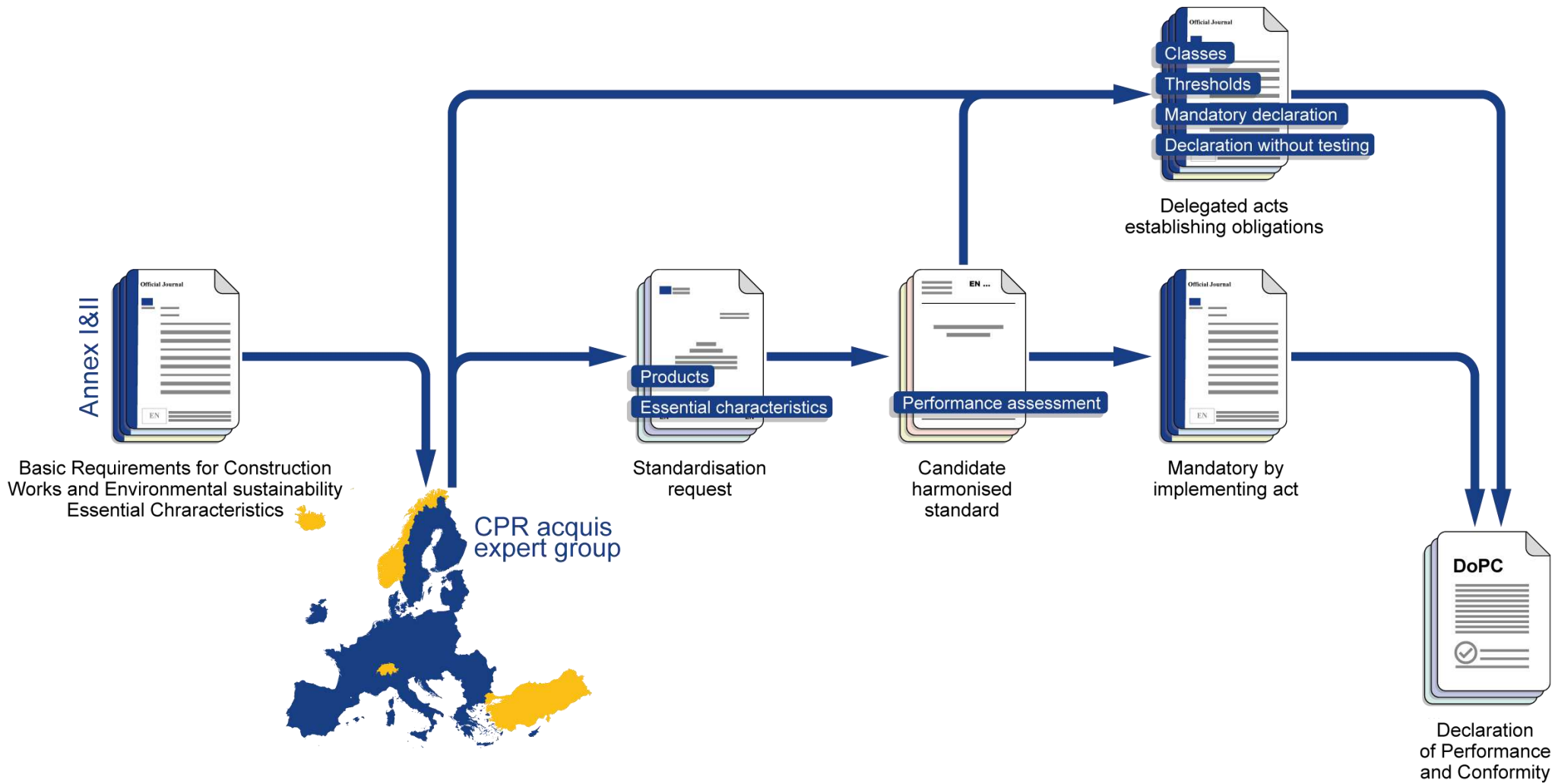
These are not life cycle assessment indicators but are related to environmental sustainability, so the applicable AV system is 3+

Declaration is voluntary unless Member States require them e.g. by requesting information about recycled content.



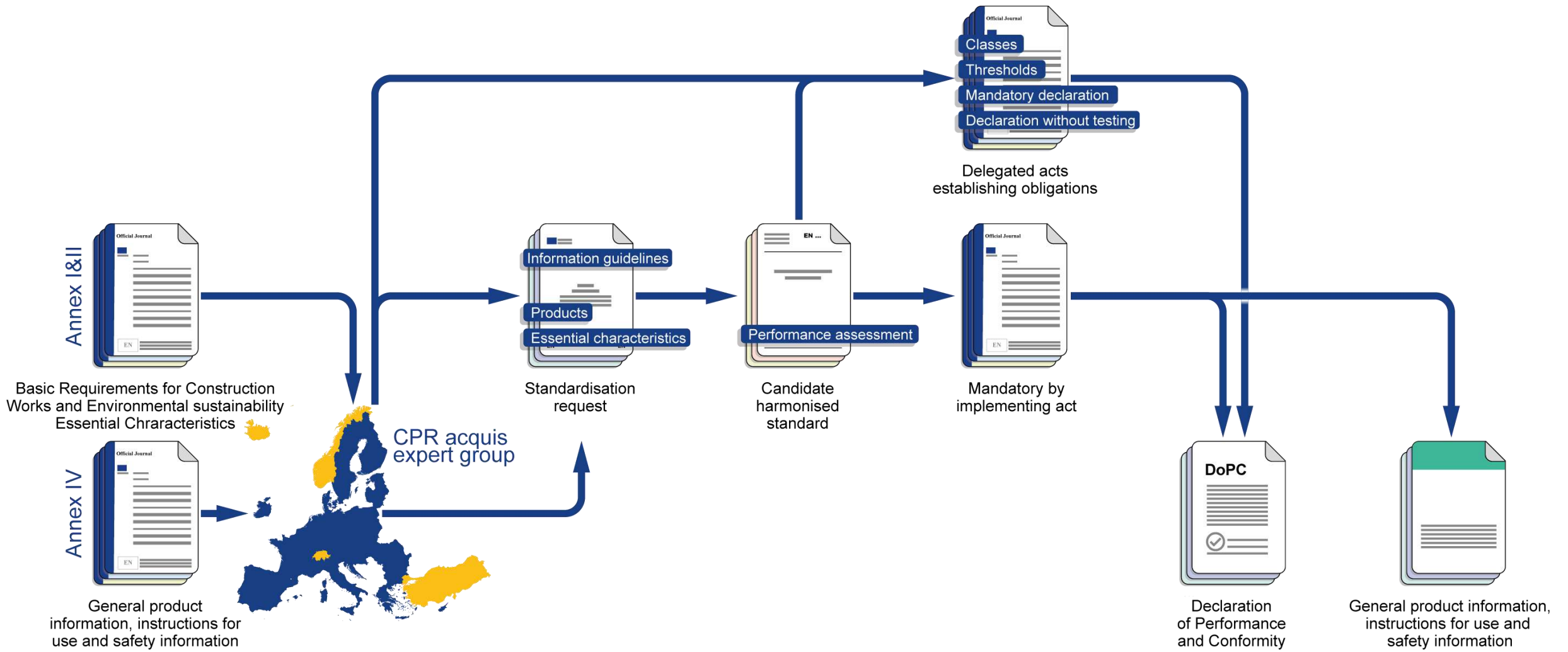
Is performance enough?





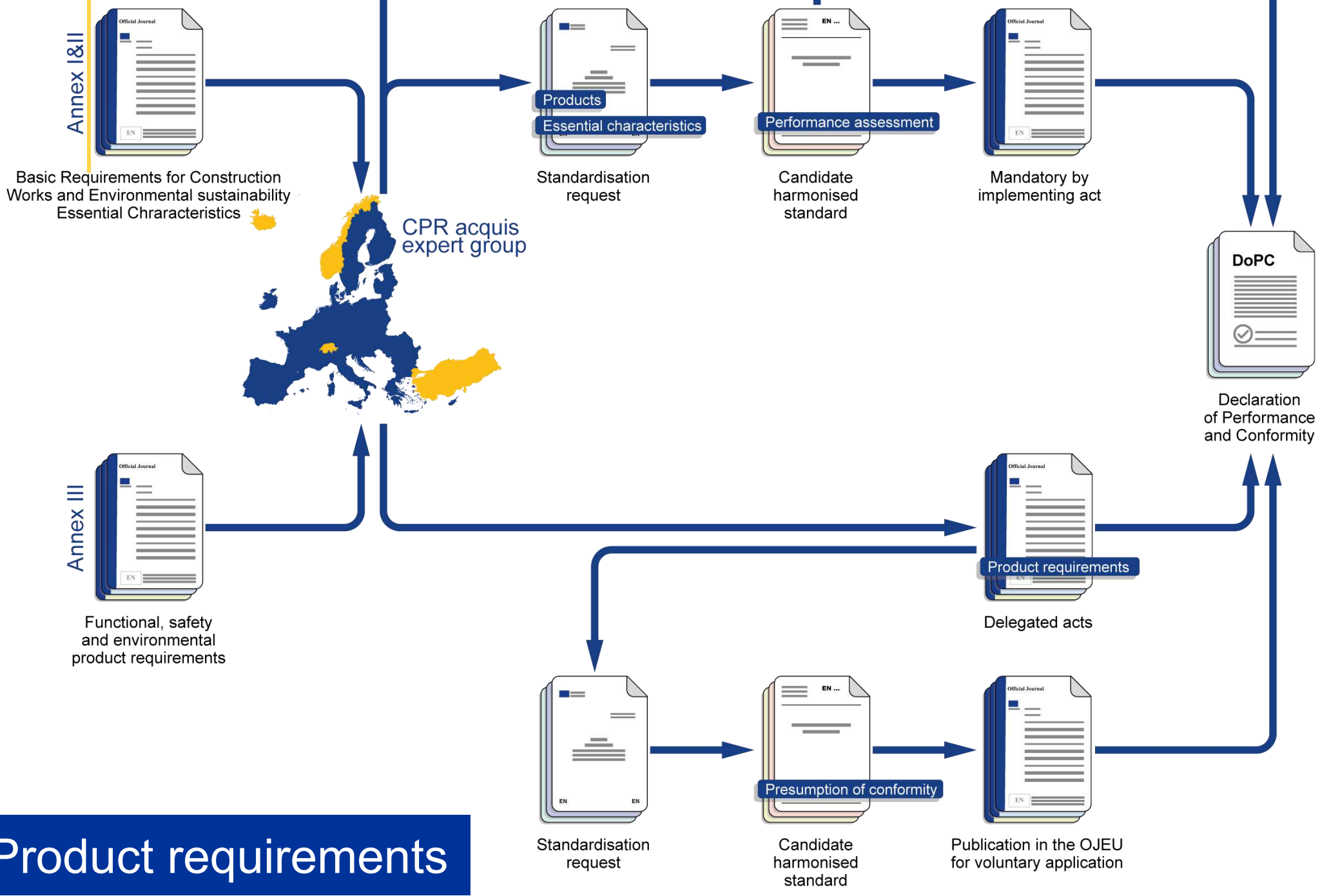
Core system – performance-based standards





Instructions for use and safety information

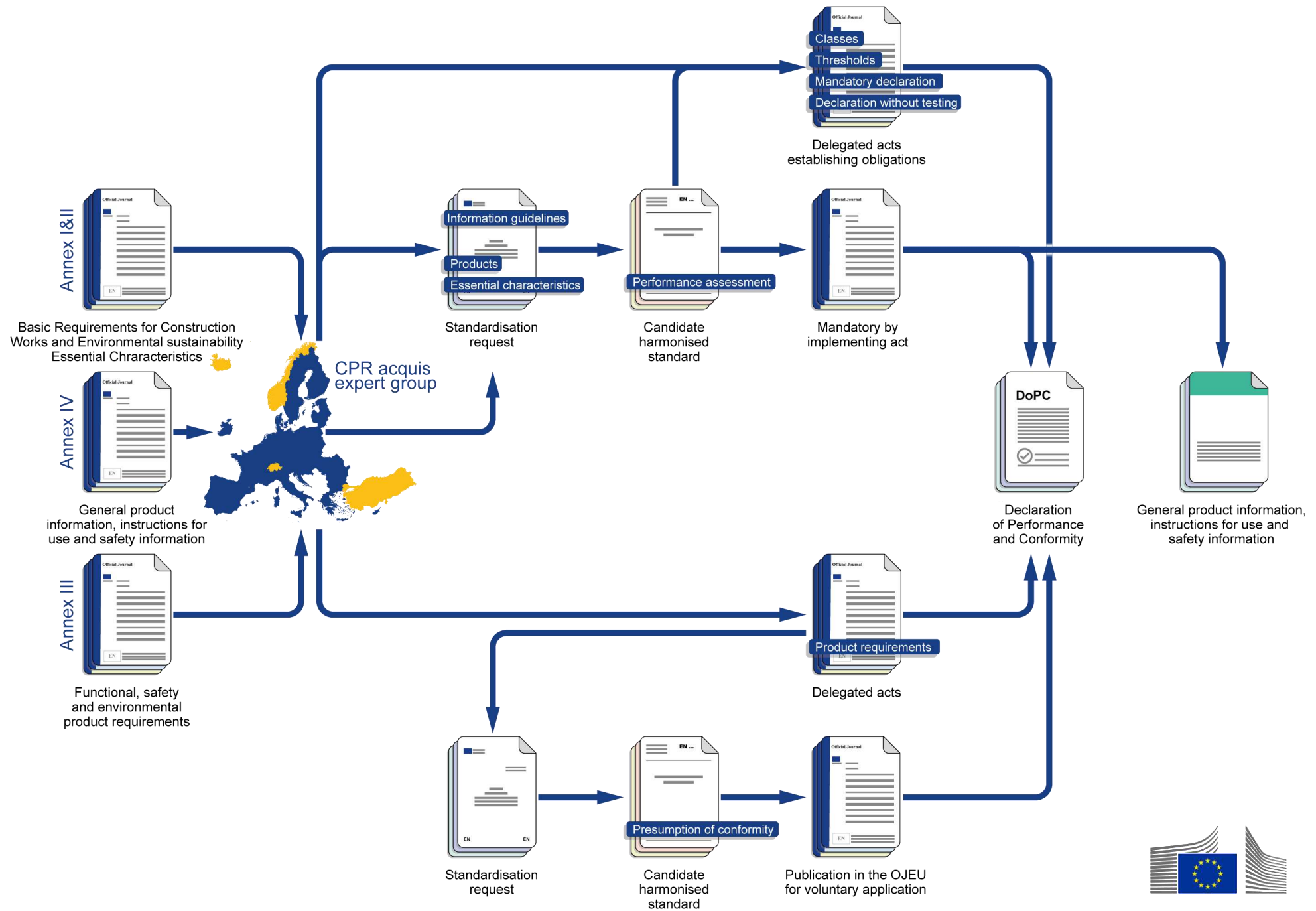


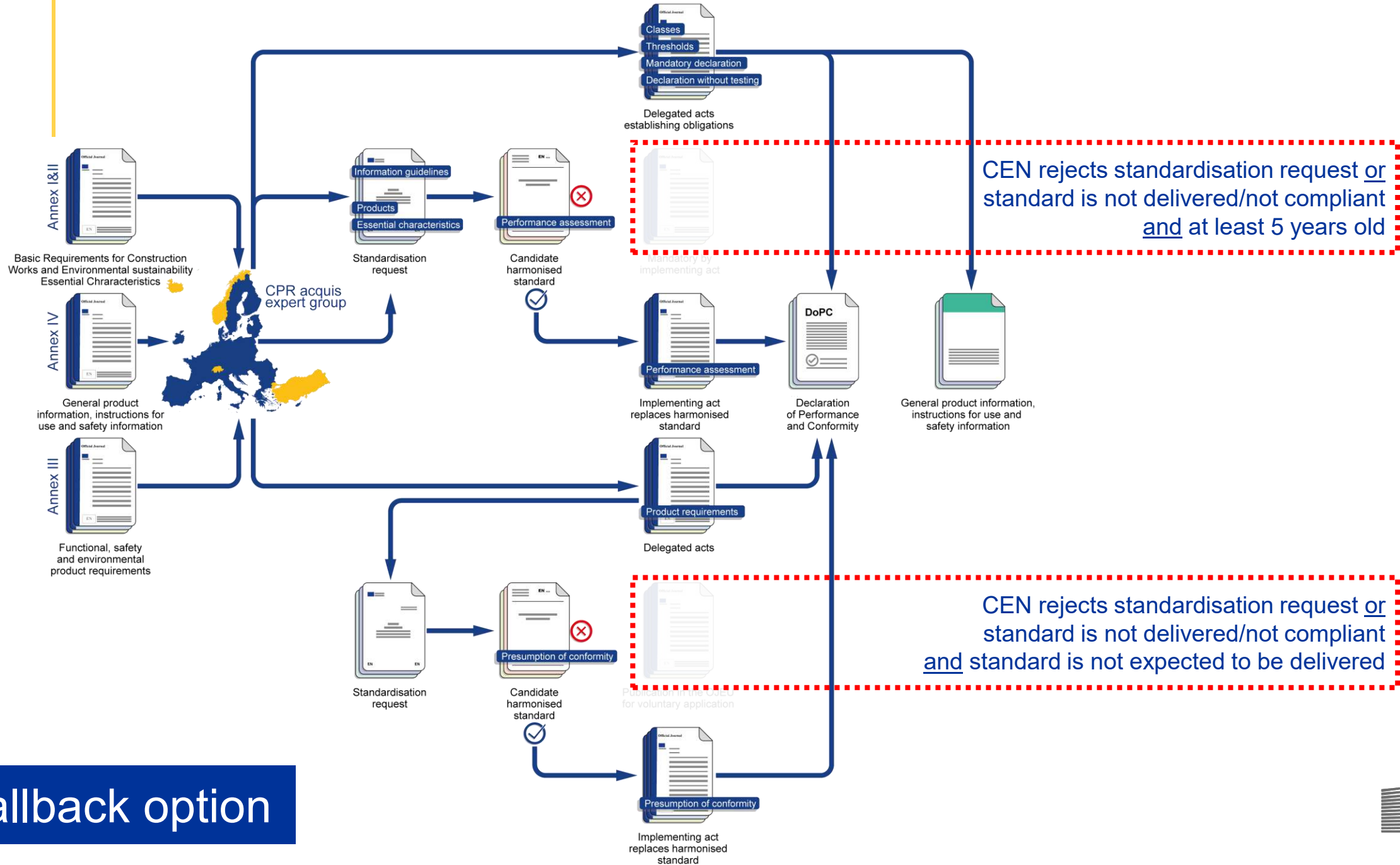


Product requirements



CPR





Fallback option



Implementation

Property	AV system	Obligations	Manufacturer liability	Provided in the DPP	Limitations applicable	Legal implementation
Essential characteristic	applies	mandatory declaration if established in a delegated act	yes	yes	annex I (BRCW)	Standard made mandatory
Product information	does not apply	mandatory to be provided	yes	yes	annex IV	Standard made mandatory
Product requirement	applies	mandatory to be fulfilled	yes	yes	annex III functionality, safety and environment	Delegated act
Factory production control check	applies	mandatory to be fulfilled	yes	no	manufacturer tasks	Standard made mandatory
Attached documentation	applies	mandatory to be provided	yes	only to authorities		Standard made mandatory
Not covered	does not apply	no	no	no	cannot be attributed to the manufacturer	Outside EU framework

Third party tasks

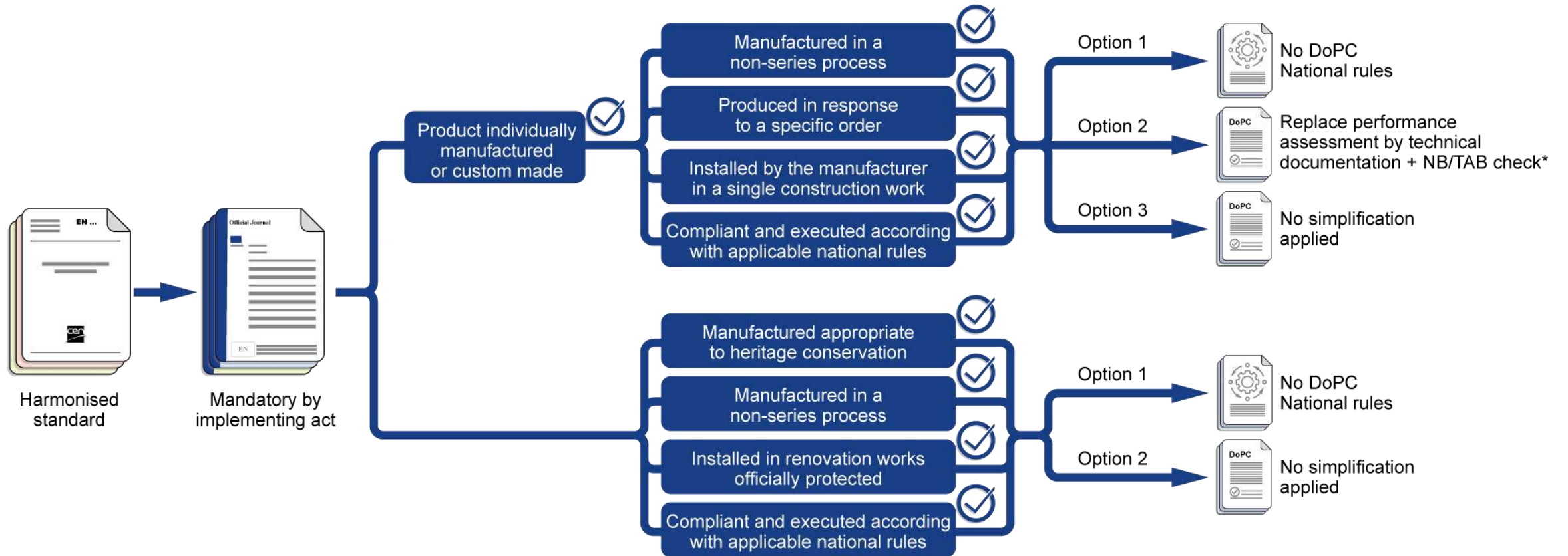
AVS	product type	representative items	performance	plant and FPC	plant and FPC	plant and input data	final product	technical documentation
1+	confirmation	sampling	assessment	initial inspection	periodic inspections		audit-testing	verification
1	confirmation	sampling	assessment	initial inspection	periodic inspections			verification
2+	confirmation			initial inspection	periodic inspections			verification
3+			validation			initial inspection		
3	confirmation		assessment					
4								



Simplified procedures



Exemption to draw up a DoPC

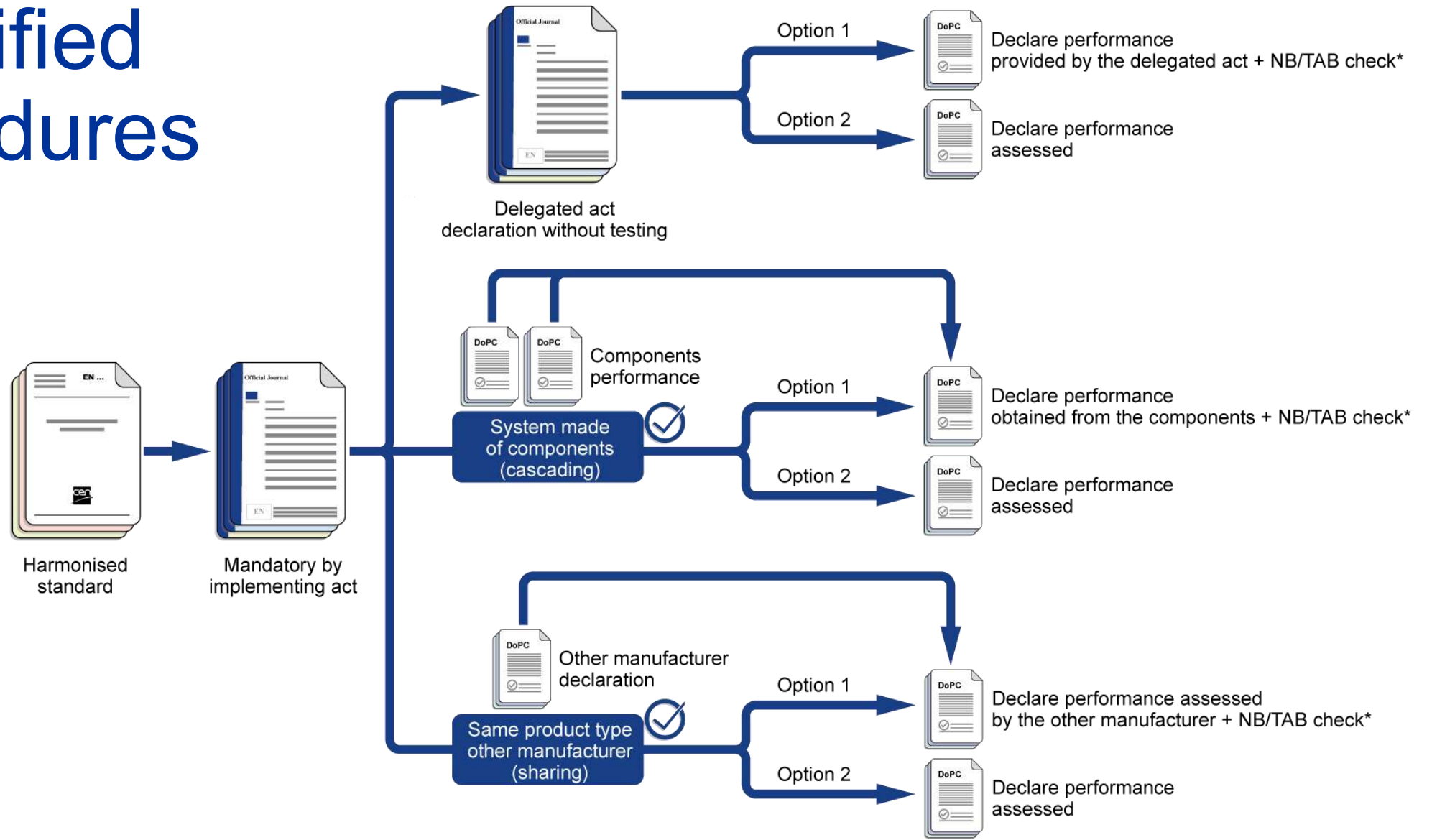


Article 14 & 61

*when applicable



Simplified procedures



Article 59

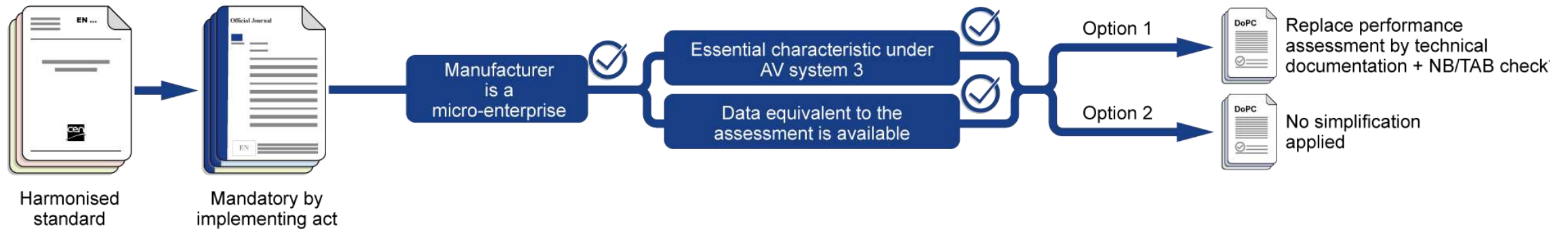
*when applicable



Simplified procedures by micro-enterprises

Simplified procedure implies that the NB/TAB does not perform the assessment, only verify the use of data

Cost is reduced while keeping third party check



Article 60



Other economic operators



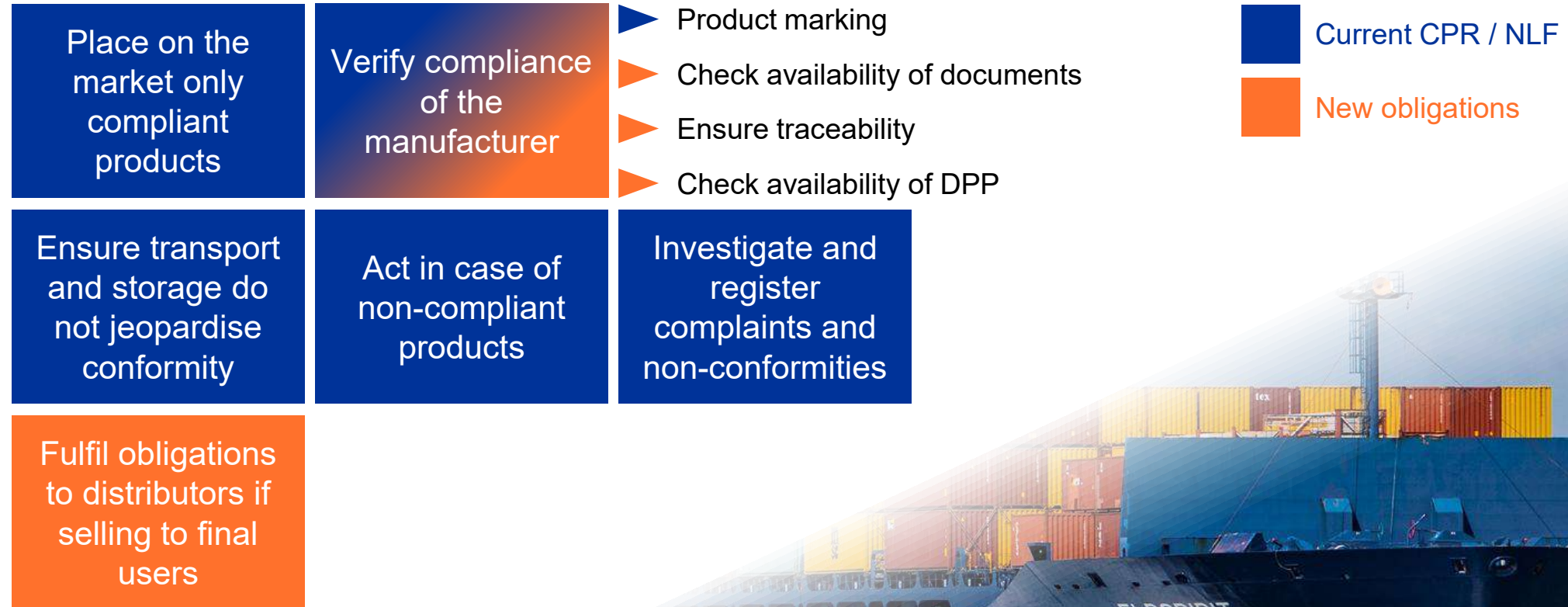
Authorised representatives

Provide information to market surveillance	Inform about non-compliances	Cooperate with market surveillance	Keep DoPC and technical documentation	Current CPR / NLF
Right to terminate the contract if the regulation is infringed	Verify compliance of the manufacturer	<ul style="list-style-type: none">▶ Product marking▶ Check availability of documents▶ Ensure traceability▶ Check availability of DPP		New rights New obligations



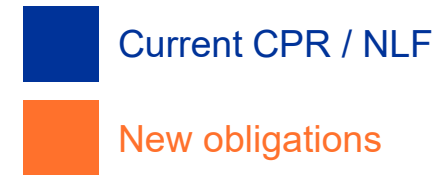
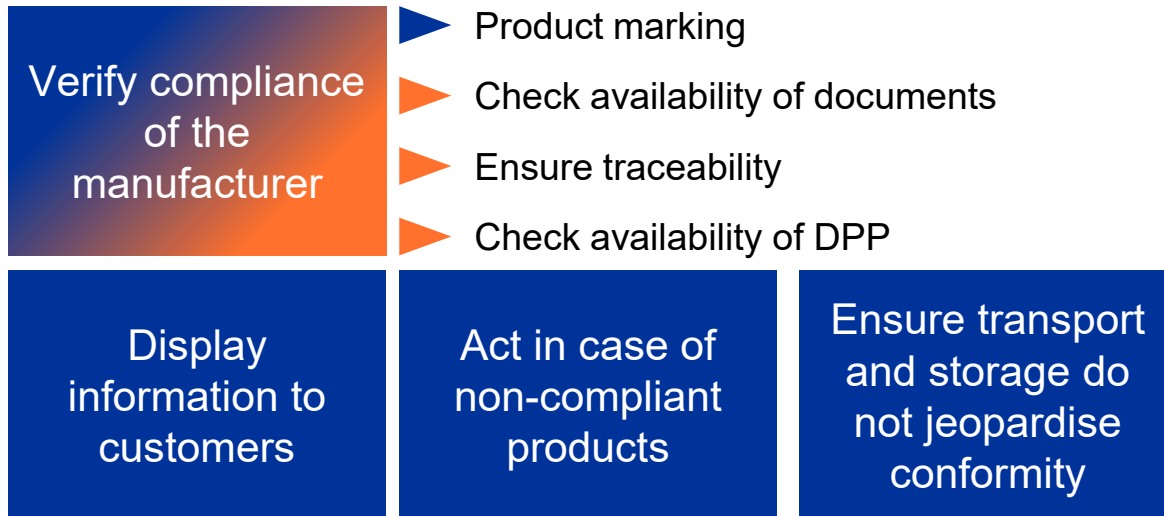
Article 23

Importers



Article 24

Distributors



Article 25



Fulfilment service provider


Ensure transport and storage do not jeopardise conformity


Verify compliance of the manufacturer

- ▶ Product marking
- ▶ Check availability of documents

Act in case of non-compliant products

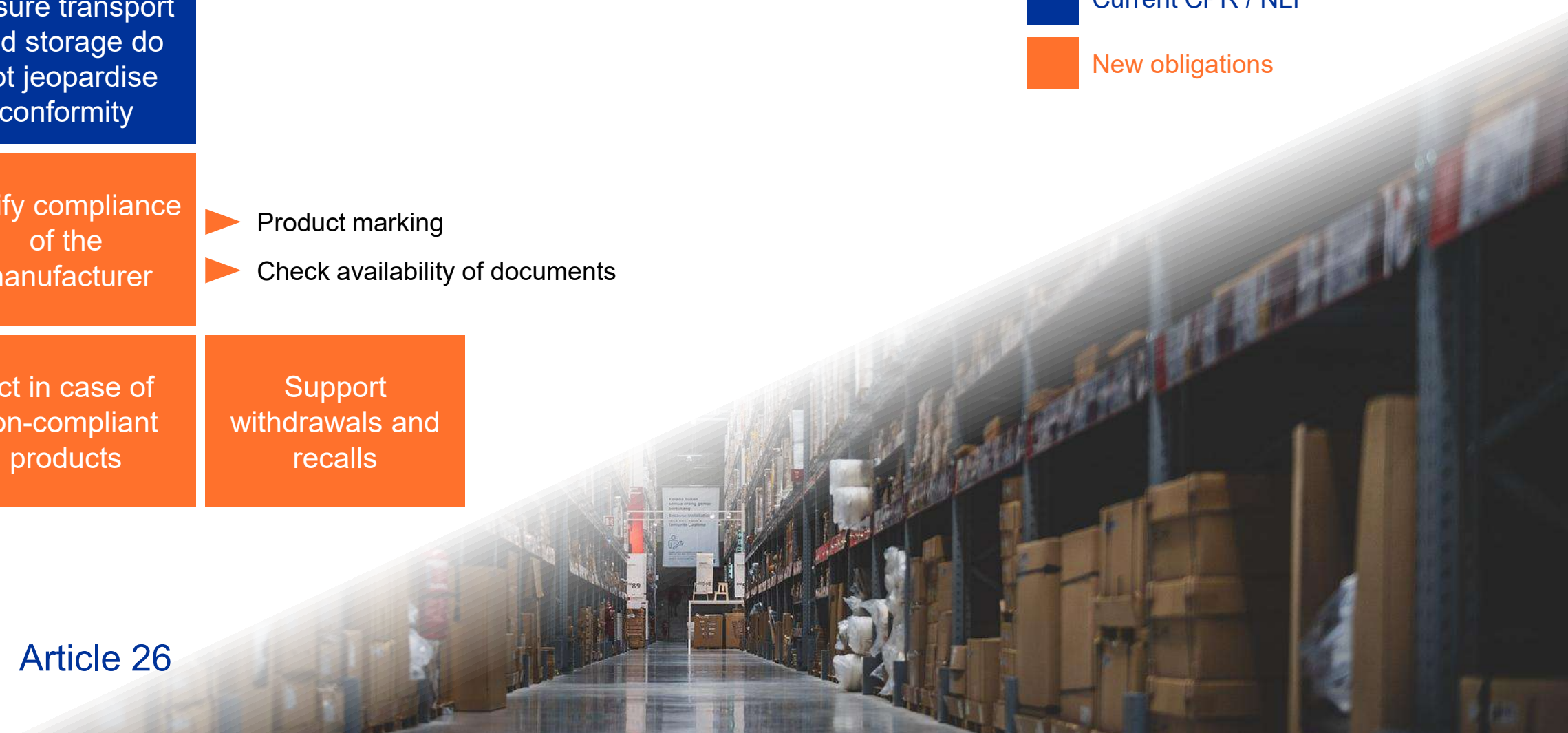
Support withdrawals and recalls

 Current CPR / NLF

 New obligations



Article 26



Environmental sustainability



Objectives

1

Development of technical frameworks for declarations, requirements and information provision

2

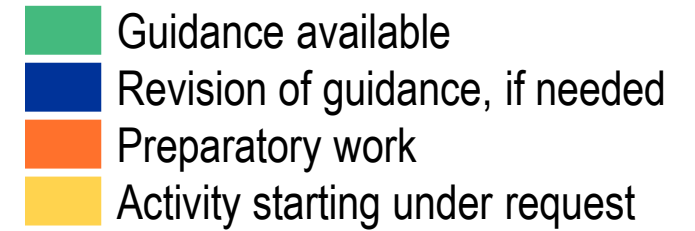
Ensure consistency across products and materials

3

Facilitate the use of the information for the calculation at building/construction works level



Planning



Milestone	Task	Topic	2026			
			Q1	Q2	Q3	Q4
A	1	Life cycle assessment indicators	Guidance available			
	2-5	Resource use indicators, waste indicators, output flows indicators and biogenic carbon indicators	Revision of guidance, if needed	Guidance available		
	6	Carbon removals	Preparatory work	Preparatory work		
	7	Other indicators	Revision of guidance, if needed	Guidance available		
B	1-6	Methodology for the assessment, declaration of the performance, modularity, scenarios, reference service life, simplification	Revision of guidance, if needed	Revision of guidance, if needed	Guidance available	
	7-9	Benchmarking, modelling rules and allocation	Activity starting under request	Activity starting under request	Activity starting under request	Activity starting under request
	10	Other issues	Activity starting under request	Activity starting under request	Activity starting under request	Activity starting under request
C	1	CPR-2011	Guidance available			
	2	CPR-2024	Guidance available			
	3	Notified bodies inputs	Activity starting under request	Activity starting under request	Activity starting under request	Activity starting under request
D	1-3	Background datasets potential problems, endorsed background datasets and data quality requirements	Preparatory work	Preparatory work	Preparatory work	Guidance available
E	1	Mandatory declaration	Guidance available	Activity starting under request	Activity starting under request	Activity starting under request
F	1	Development of guidance for declaration without testing dossiers	Guidance available			



Essential characteristics

LCA indicators

All included in the standardisation request and in the standards

No possibility to remove any of them from the list

Mandatory declaration at EU level (timeframe already presented)

Other EPD indicators

All included in the standardisation request and in the standards

Declaration subject to national requirements

Mandatory declaration to be discussed case by case

Other indicators

Carbon removals in the pipeline

Other resource indicators not mature enough to be included in the system



Assessment software

Commission “software”

Characterisation factors
(available)

Background data
(ongoing EU project)

Lifecycle assessment
software used by the
manufacturer

Under the responsibility of
the manufacturer

Subject to Assessment
and Verification system 3+



EN 15804 non-applicable clauses

Assessment to follow EN 15804 rules except:

Types of EPD

Additional information not derived from LCA

Release of dangerous substances

Ownership, responsibility, and liability

Communication formats

Content of the EPD

Project report

Verification and validity

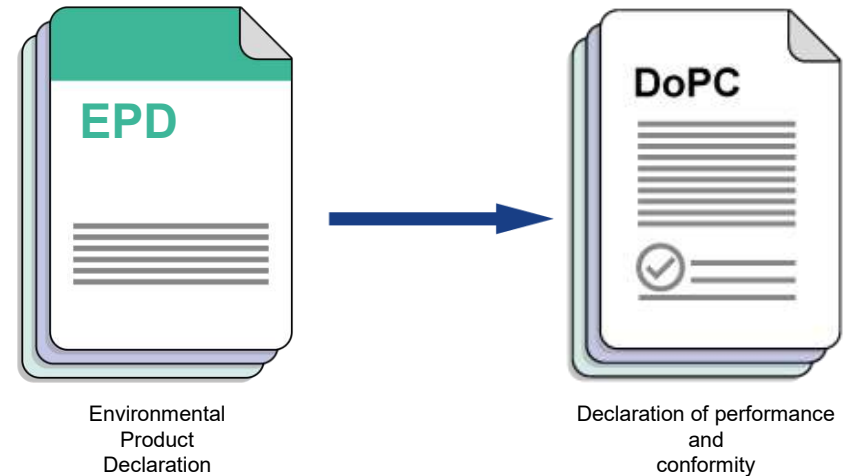


Declaration

Declaration of all modules for the applicable harmonised scenarios

Digitalisation will facilitate access to the information

EPD can be maintained if they contain the same information



Scenarios

Parametric or European harmonised scenarios

Parameter	Information
Scenario A4.1	Transport by lorry 16-32t, EURO 5
Fuel type and consumption of vehicle or vehicle type used for transport, e.g. long distance truck, boat etc.	Litre of fuel per km
Capacity utilization (including empty returns)	%
Bulk density of transported products	kg/m ³
Volume capacity utilization factor (factor: = 1 or < 1 or ≥ 1 for compressed or nested packaged products)	



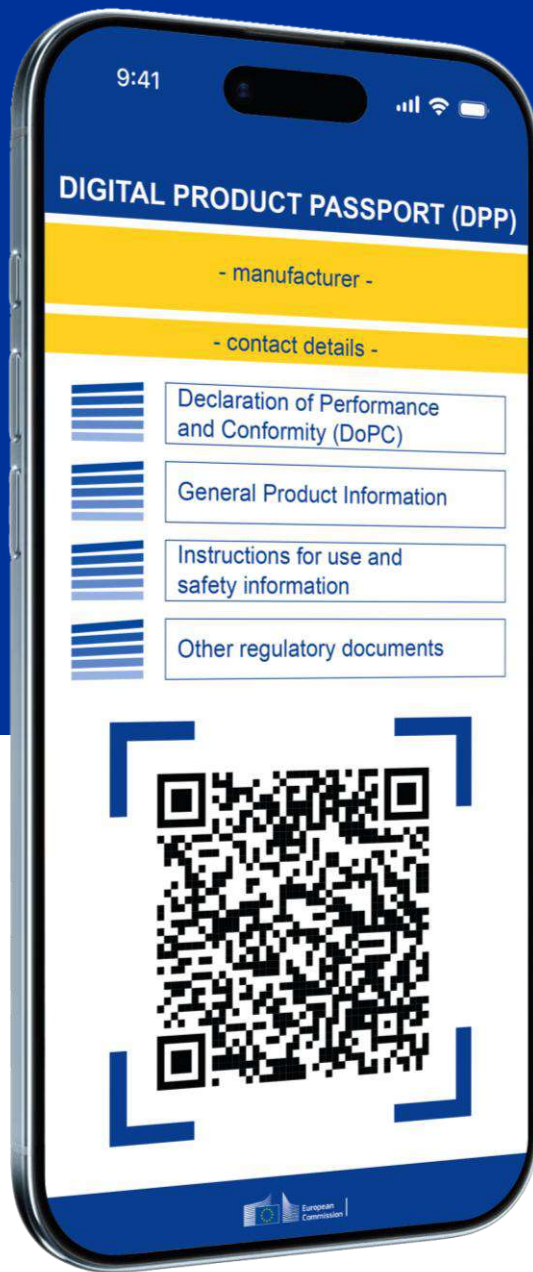
Scenarios

	Parameter	Information
Scenario A4.1		Transport by lorry 16-32t, EURO 5
	Fuel type and consumption of vehicle or vehicle type used for transport, e.g. long distance truck, boat etc.	Litre of fuel per km
	Capacity utilization (including empty returns)	%
	Bulk density of transported products	kg/m ³
	Volume capacity utilization factor (factor: = 1 or < 1 or ≥ 1 for compressed or nested packaged products)	

	Parameter	Information
Scenario C3.1		Mechanical process for recycling
	Energy use	Electricity for mechanical activities [MJ]

Scenario C3.2		Chemical process for recycling
	Energy use	Electricity for mechanical activities [MJ]





Digital Product Passport



Set of digital documents



Traceable to the relevant product placed on the market

Providing regulatory and technical information about the product

Interoperable with other passports, IT tools and software, including BIM

Why do we need a DPP in the CPR?

Increase transparency and facilitates traceability

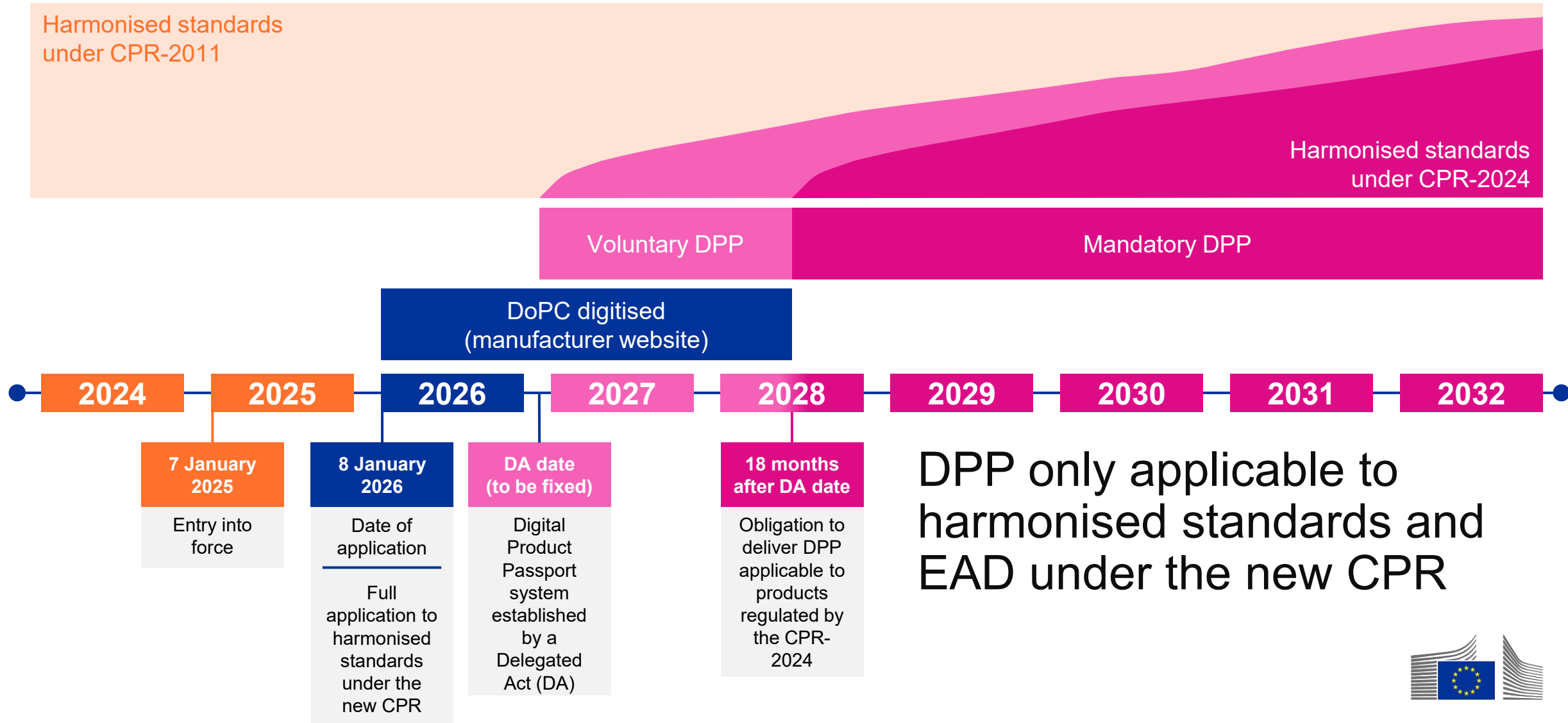
Improve the management of complex information

Reduce administrative burdens through digital process

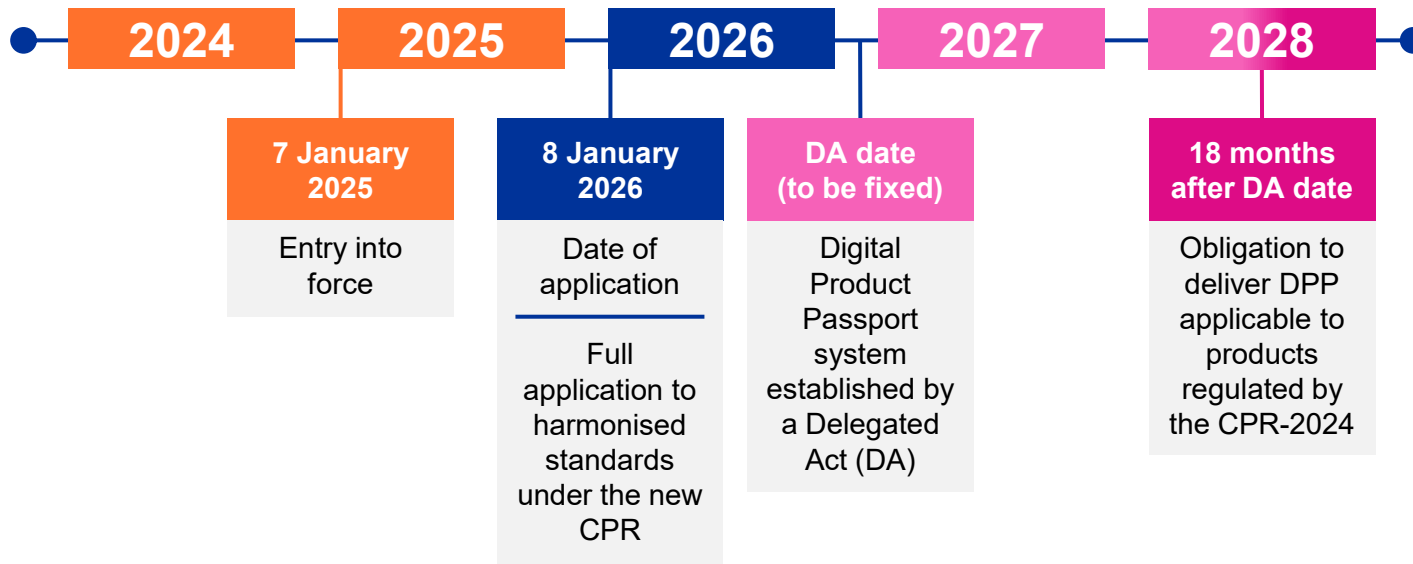
Advantages only if DPP are harmonised at EU level



Digitalisation timeline

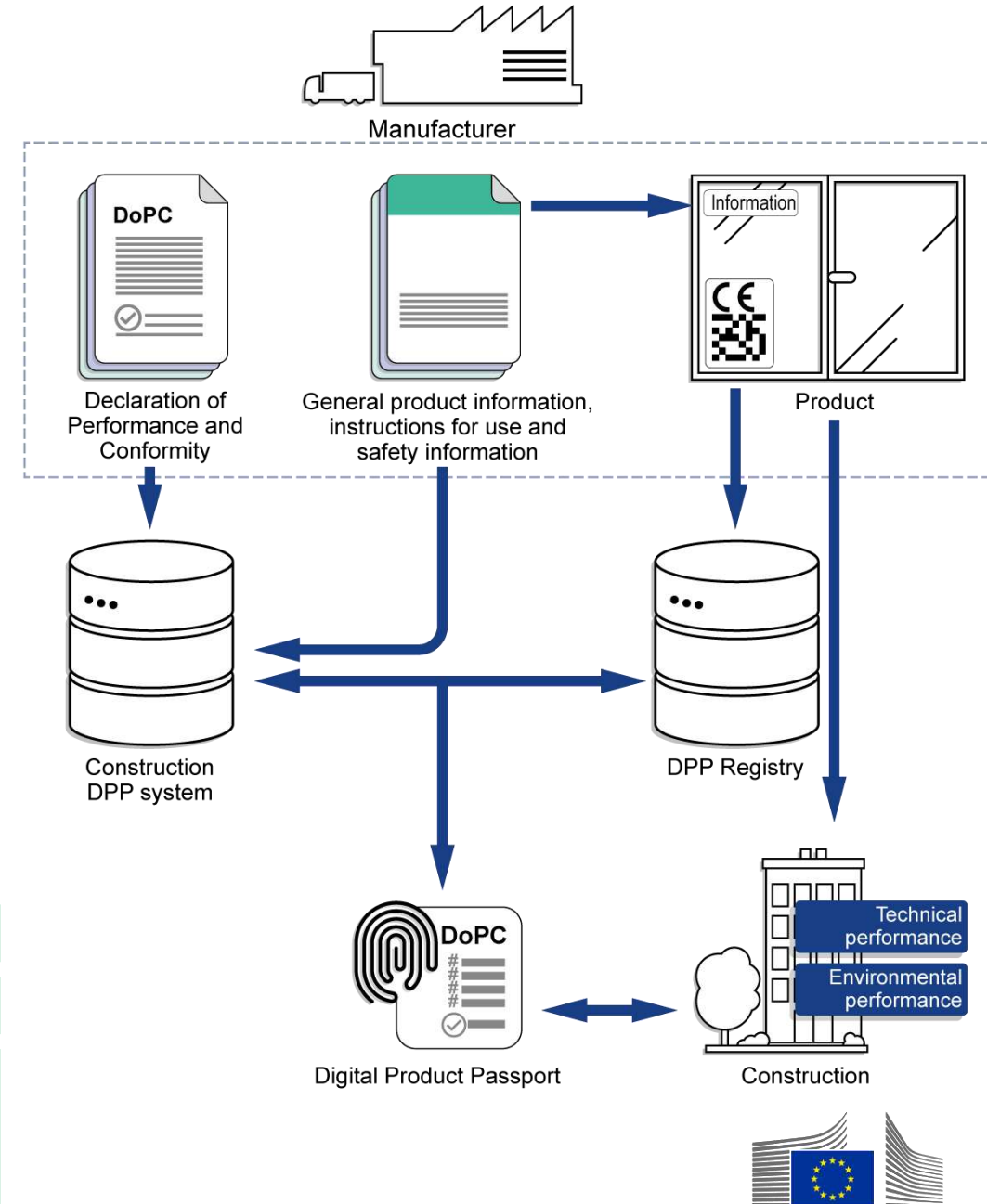


Digitalisation



Information

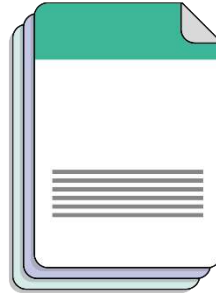
based on open standards	structured
machine-readable	searchable
developed with an interoperable format	transferable through an open interoperable data exchange network without vendor lock-in



DPP content



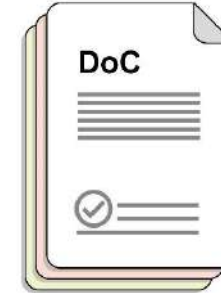
Declaration of performance and conformity



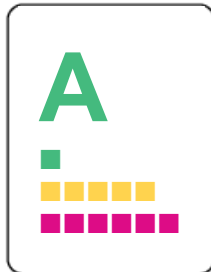
General product information, instructions for use and safety information



Technical documentation



Documentation required under other Union law



Label (when applicable)

Unique product identifier

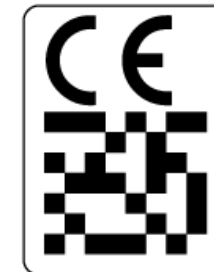
dpp:3234567890126

Unique operator identifier

dpp:VAT:AT U14589505

Unique facility identifier

dpp:ISO3166-2:BE



Data carriers
Key parts



ECODESIGN FOR SUSTAINABLE PRODUCTS REGULATION (ESPR)

CONSTRUCTION PRODUCTS REGULATION (CPR)

CPR Delegated Act Article 75

Harmonised technical specifications and European assessment documents



ECODESIGN FOR SUSTAINABLE PRODUCTS REGULATION (ESPR)

Unique identifiers

Unique product identifier

dpp:3234567890126

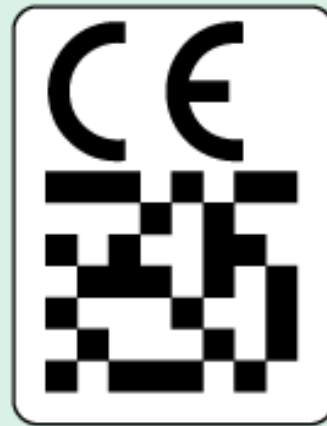
Unique operator identifier

dpp:VAT:AT U14589505

Unique facility identifier

dpp:ISO3166-2:BE

Data carriers



ESPR Registry

Stores in a secure manner unique identifiers

Other DPP data to be stored

Web portal

Information
Digital Product
Passport

CONSTRUCTION PRODUCTS REGULATION (CPR)

CPR Delegated Act Article 75

Harmonised technical specifications and European assessment documents



ECODESIGN FOR SUSTAINABLE PRODUCTS REGULATION (ESPR)

CONSTRUCTION PRODUCTS REGULATION (CPR)

Granularity

Product type as defined by the manufacturer

abstract model of individual products, determined by the intended use and a set of characteristics which exclude any variation with regard to performance or to the fulfilment of product requirements

Availability

10
years

Manufacturer
responsibility

15
years

Procedure to
ensure
availability

Back up DPP

Documents

Declaration of performance and conformity

General product information, instructions for use and safety information

Label

Unique identifiers

Documentation under other Union law

Technical documentation

CPR Delegated Act Article 75

Harmonised technical specifications and European assessment documents



ECODESIGN FOR SUSTAINABLE PRODUCTS REGULATION (ESPR)

CONSTRUCTION PRODUCTS REGULATION (CPR)

CPR Delegated Act Article 75

BIM

Compatibility with
product data
templates

Data
post-integrated
in other tools

Access

DPP access rights

Permissions for
creation and update

DPP service
providers

Options

Centralised
database

Licensed DPP
service providers

Manufacturers
hosting + backup

Data dictionary

Procedure to create
and update data

Harmonised technical specifications and European assessment documents



ECODESIGN FOR SUSTAINABLE PRODUCTS REGULATION (ESPR)

CONSTRUCTION PRODUCTS REGULATION (CPR)

CPR Delegated Act Article 75

Harmonised technical specifications and European assessment documents

Human and machine-readable format

Standards and EAD provide guidelines to ensure interoperability

Information provided in a structured way in tables in a section of the harmonised standards or EAD

Technical content developed by technical experts without the need for IT training

Structured data to be digitalised using IT tools or as part of the DPP service provider contract

Citation of harmonised standards and EAD trigger the implementation/update of the data dictionary



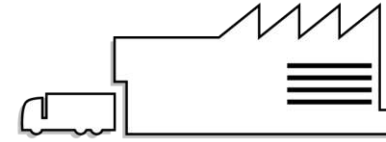
EOTA route



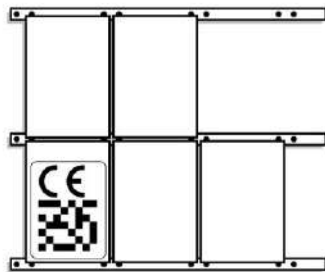
EOTA route continuity



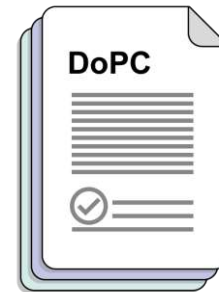
Technical Assessment Bodies (TAB) and EOTA roles maintained



EAD can be developed under the request of a manufacturer



ETAs allow manufacturers to draw up the DoPC and affix the CE marking



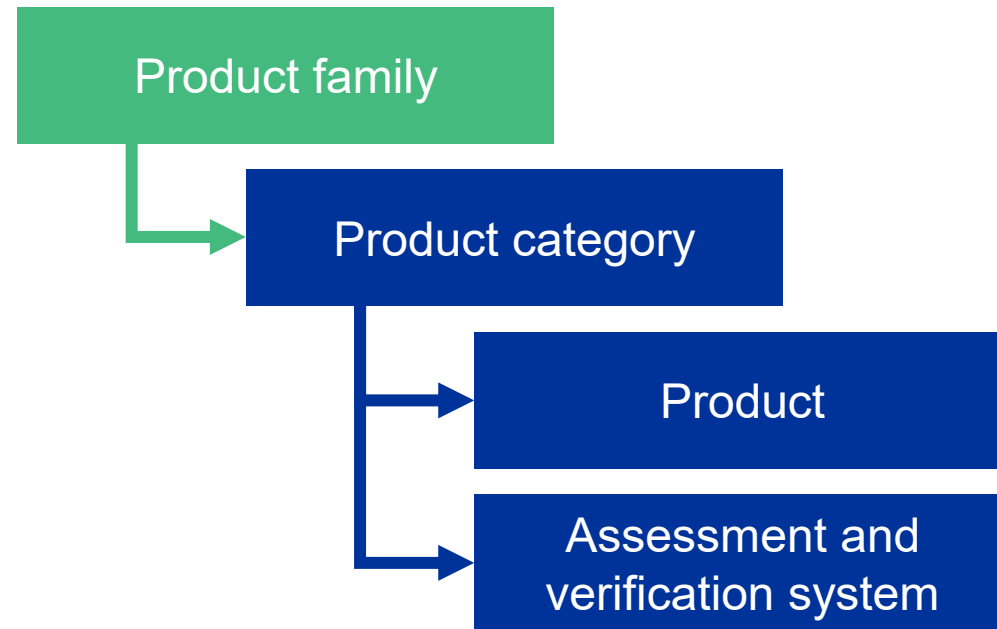
EADs focused on assessing the performance of the product on demand



Harmonised Zone

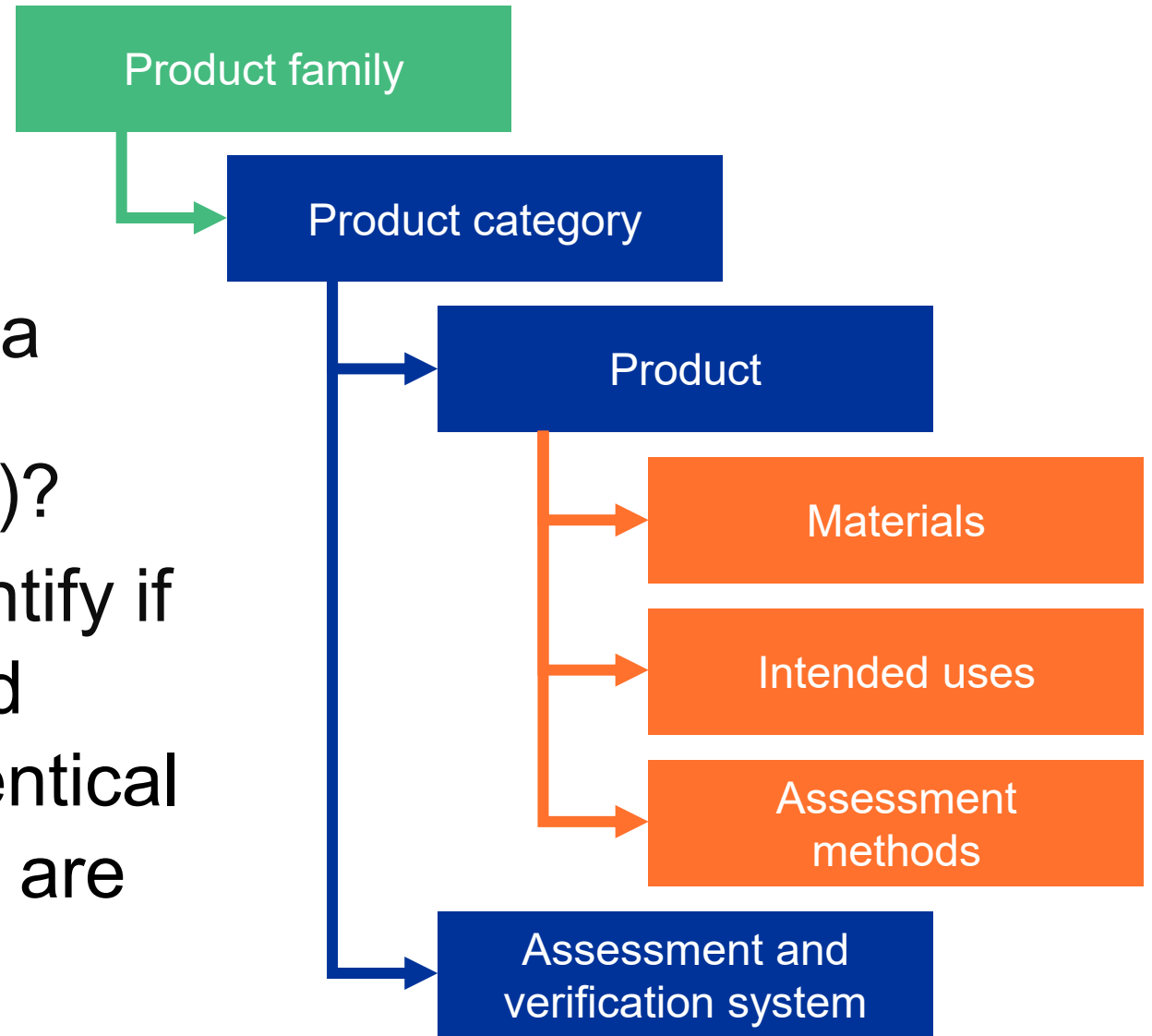
Harmonised technical specifications are comprehensive from the regulatory point of view.

Member States cannot establish additional rules to products beyond those in the harmonised technical specifications.



EAD check

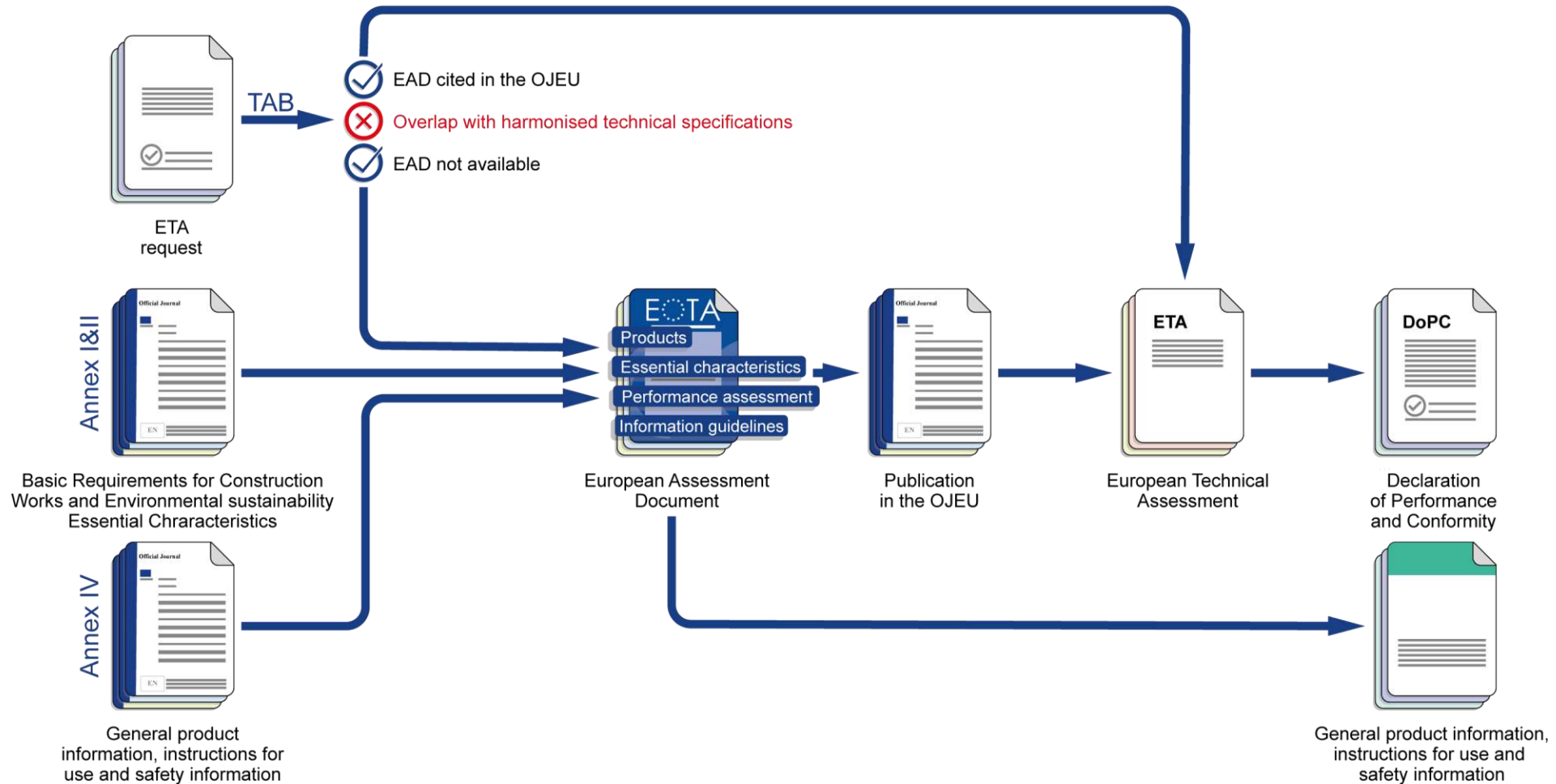
1. Is the product covered by a performance harmonised standards (or fallback option)?
2. Check scope overlap: identify if
 - materials are included
 - intended uses are identical
 - assessment methods are appropriate



Article 31(2)



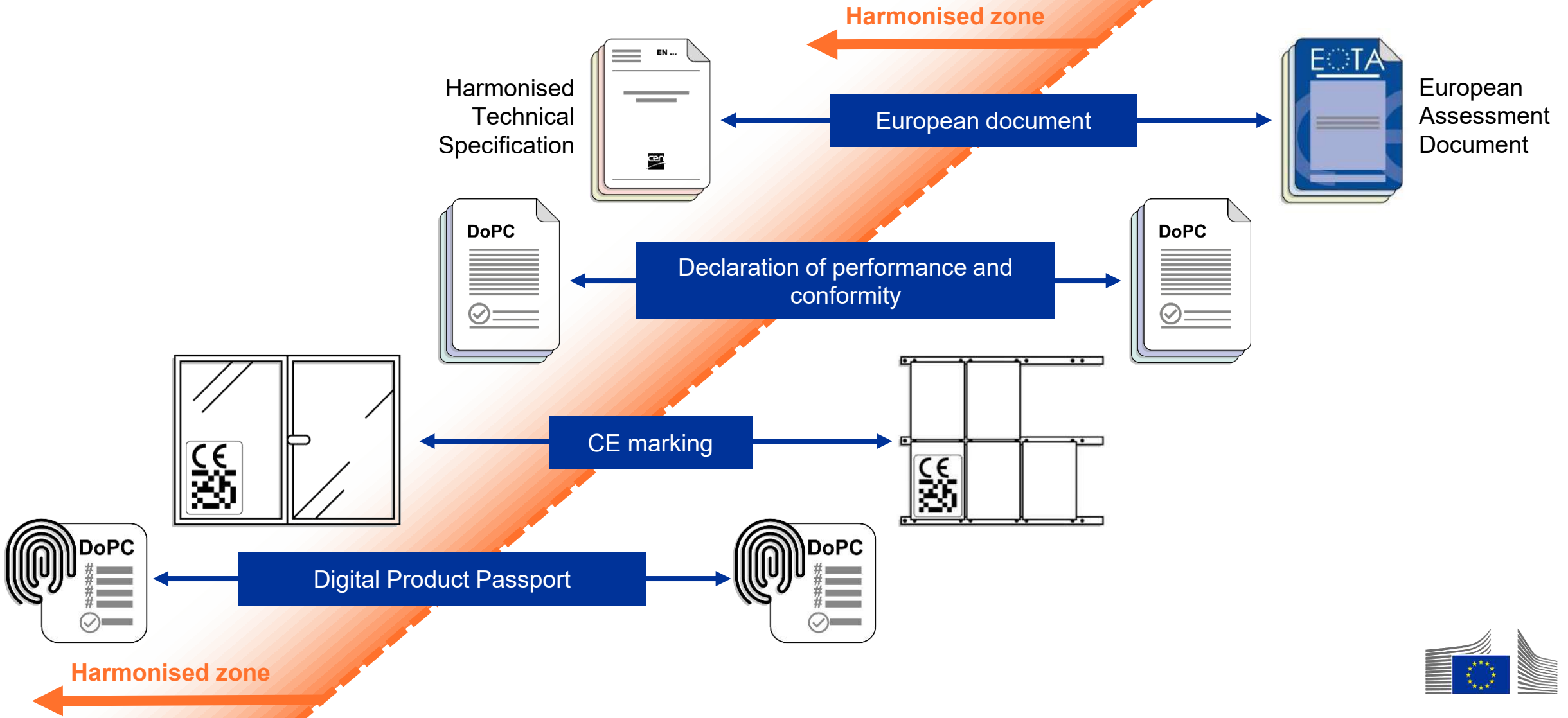
EOTA development and adoption process



Chapter IV and V



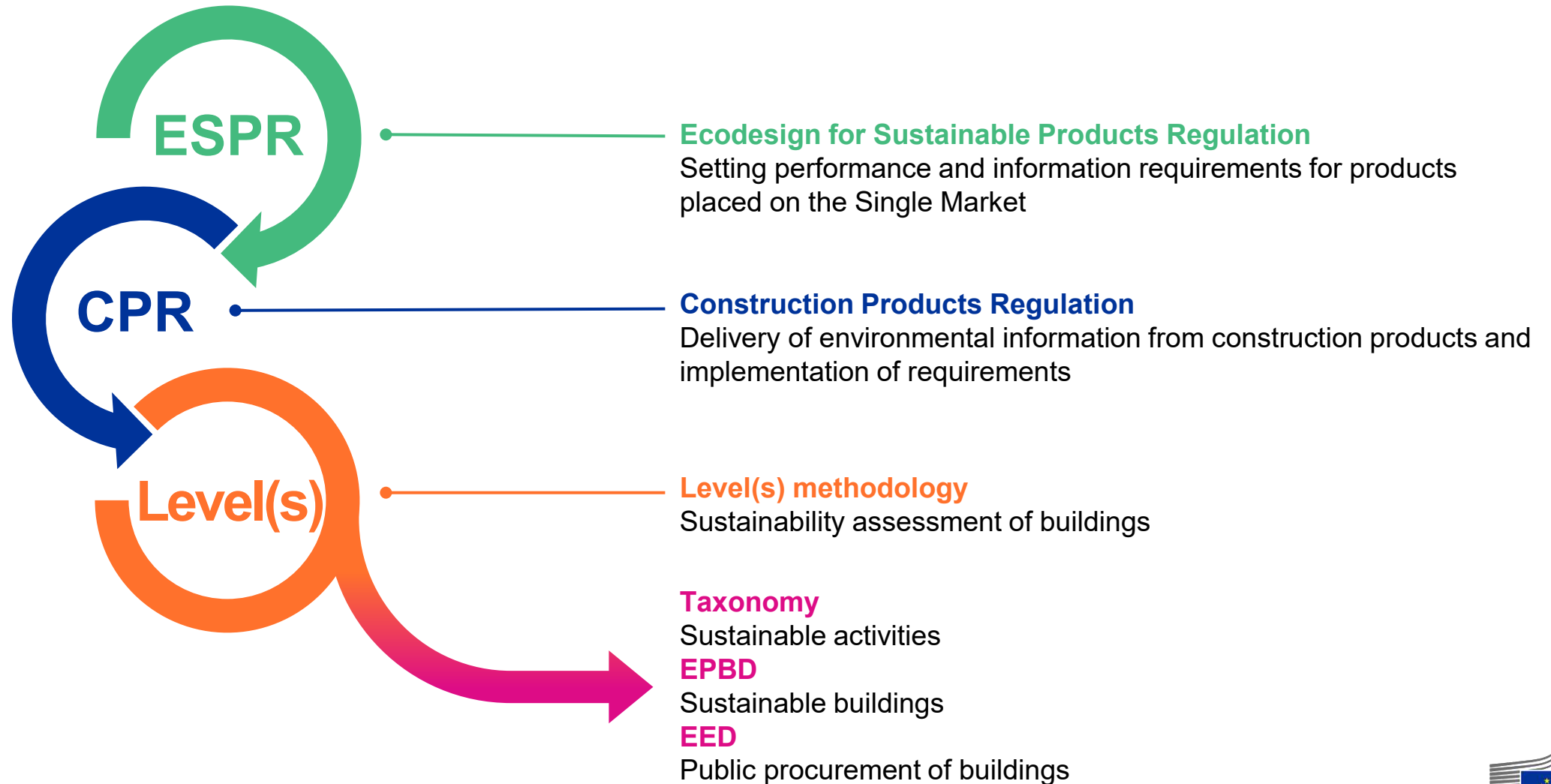
Same marketing tools



Other regulations



EU Regulatory framework



Calculation of whole life cycle GWP of new buildings

Values	Numeric indicator for each life-cycle stage
Units	kg CO ₂ eq./m ² of useful floor area
Reference study period	50 years
Modelling	EN 15978 and Annex III of the EPBD
Scope	Level(s) framework indicator 1.2.
Additional rules	Revision of Annex III by 31 December 2025
Other tools or methods	Allowed if they fulfil Level(s) applicable criteria
Data sources	CPR information when available



National Roadmaps

Member States to publish roadmaps by 2027
establishing targets for new buildings from 2030

Additional guidance to be provided by the Commission:

- Definition on progressive downward trend
- Information on climatic zones
- Information on building typologies
- Union's objective of climate neutrality

Technical support to Member States at their request





Conclusions

The new regulatory framework is expected to become a one-stop-shop for regulations

The technical content is developed in harmonised standards

Implementation is complex and require inputs from all interested parties

Make sure the system reflect your needs from the beginning!



Thank you!



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