



European Standardization Organizations

Webinar 'Harmonized standards under Ecodesign and Energy Labelling regulations'

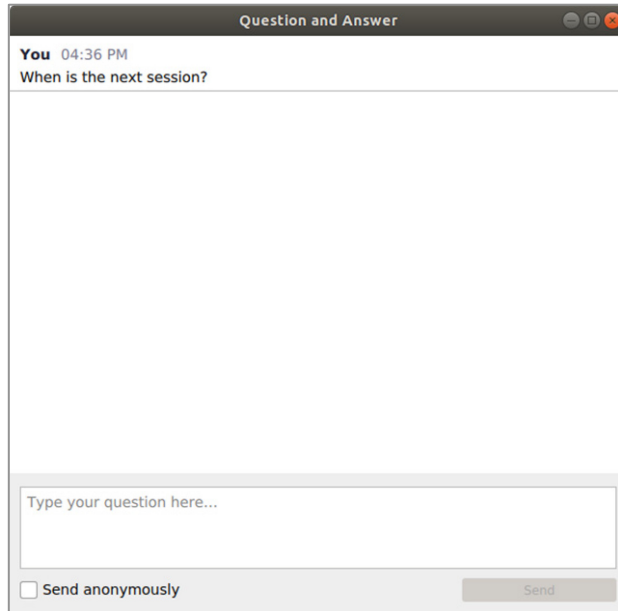
*We start
at
10:00*



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Your speakers today



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Martial PATRA

Chairman
CEN and CENELEC Ecodesign Coordination Group

- AUWP: Annual Union Work Programme for European standardization
- CCMC: CEN and CENELEC Management Center
- DPP: Digital Product Passport
- EC: European Commission
- ED/EL: Ecodesign/Energy Labelling
- EN/hEN: European Standard / Harmonized European Standard
- ErP: Energy-related Product
- EY: Ernst & Young (= HAS contractor)
- ENQ: Enquiry
- ESO: European Standardization Organization
- ESPR: Ecodesign for Sustainable Products Regulation
- FV: Formal Vote
- LCA: Last Confirmatory Assessment
- MS: Member State
- MSA: Market Surveillance Authority
- NLF: New Legislative Framework
- OJ/OJEU: Official Journal / Official Journal of the European Union
- QC: Quality Check made by CCMC
- SRAHG: Standardization Request Ad-Hoc Group
- SREQ: Standardization Request
- TBO: Technical Body Officer
- TC: Technical Committee
- VHK: Consultants for DG ENERGY on Ecodesign and Energy Labelling regulations
- WG: Working Group
- WI/NWI: Work Item / New Work Item

Objective of the session



- Give an **overview** of the Ecodesign and Energy Labelling system
 - ✓ Principle, structure, stakeholders, responsibilities, current activities, ...
- Clarify things related to **standard harmonization** process
 - ✓ View on the integration of Ecodesign in the standard development process.
 - ✓ Highlight specificities of Ecodesign (\neq HAS assessments)
- Sharing **experience** gained on the last 12 months since the reactivation of the new consultancy contract.
- To give TBOs additional keys to increase the number of successful Ecodesign Assessments with the **ultimate goal to increase the citation of Ecodesign standards in the OJEU.**
- To prepare for the release of the future Ecodesign for Sustainable Products Regulation [ESPR]

Agenda

I - Ecodesign overview

II - Development and harmonization procedure

III - Role of the consultant

IV - Recommendations for a successful citation in OJEU

V - Q & A

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DG ENER

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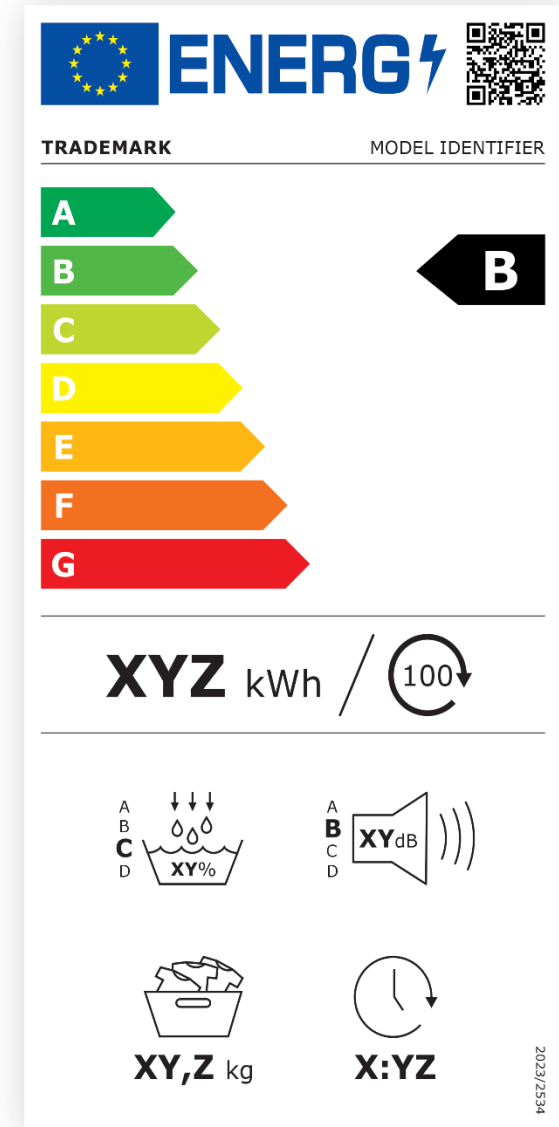


Ecodesign legislation and harmonised standards

**CEN and CENELEC workshop
15 December 2023**

Ecodesign/energy labelling legislation

- **Eco-design:** minimum energy efficiency requirements in order to phase out the worst performing products
- **Energy labelling:** classification of equipment according to the energy efficiency



Ecodesign & Energy labelling - scope

31 product groups (+horizontal “standby”)

- ≈ 3 billion products in scope
- Consume ≈ 50% EU final energy

50 implementing measures in place, directly applicable internal market provisions, including

- 43 Commission Regulations
- Tyre labelling Regulation (Council and EP act)
- 2 Voluntary Agreements

Overview of existing EU Ecodesign, Energy Labelling and Tyre Labelling measures (Oct.2021)

Product group ¹	Type(s) of measure ²			Relevant acts/legislation ³	Reviews ongoing or due before end 2024
	ED	EL	VA		
Horizontal: framework legislation	X			Directive 2009/125/EC	X
Horizontal: framework legislation		X		Regulation (EU) 2017/1369	[in 2025]
Horizontal: Guidelines on self-regulation/VAs			X	Recommendation (EU) 2016/2125	
Horizontal: Standby / off mode consumption	X			Regulation (EC) 1275 /2008	X
Welding equipment	X			Regulation (EU) 2019/1784	X
Power transformers	X			Regulation (EU) 548/2014	X
Electric motors + var. speed drives	X			Regulation (EU) 2019/1781	X
Water pumps	X			Regulation (EU) 547/2012	X
Circulators	X			Regulation (EC) 643/2009	X
Industrial fans	X			Regulation (EU) 327/2011	X
Professional refrigeration equipment	X			Regulation (EU) 2015/1095	X
Air heating/cooling products	X			Regulation (EU) 2016/2281	X
External power supplies	X			Regulation (EU) 2019/1782	X
Computers	X			Regulation (EU) 617/2013	X
Servers and data storage products	X			Regulation (EU) 2019/424	X
Simple set-top boxes	X			Regulation (EU) 107/2009	X
Vacuum cleaners	X			Regulation (EU) 666/2013	X
TVs/Electronic displays	X			Regulation (EU) 2019/2021	X
		X		Regulation (EU) 2019/2013	X
Light sources and control gears	X			Regulation (EU) 2019/2020	X
		X		Regulation (EU) 2019/2015	X
Dishwashers	X			Regulation (EU) 2019/2022	[by end 2025]
		X		Regulation (EU) 2019/2017	[by end 2025]
Washing machines + washer-dryers	X			Regulation (EU) 2019/2023	[by end 2025]
		X		Regulation (EU) 2019/2014	[by end 2025]
Tumble driers	X			Regulation (EU) 932/2012	X
		X		Regulation (EU) 382/2012	X
Domestic cooking appliances: ovens, range hoods, hobs (NB: no label for hobs)	X			Regulation (EU) 66/2014	X
Household fridges and freezers	X			Regulation (EU) 65/2014	X
		X		Regulation (EU) 2019/2019	[by end 2025]
Refrigerating appliances w. a sales function	X			Regulation (EU) 2019/2016	[by end 2025]
		X		Regulation (EU) 2019/2024	X
		X		Regulation (EU) 2019/2018	X
Ventilation units (labelling for residential only)	X			Regulation (EU) 1253/2014	X
		X		Regulation (EU) 1254/2014	X
Space and combination heaters	X			Regulation (EU) 813/2013	X
		X		Council Directive 92/42/EEC	
		X		Regulation (EU) 811/2013	X
Water heaters/storage tanks + solar devices	X			Regulation (EU) 814/2013	X
		X		Regulation (EU) 812/2013	X
Local Space Heaters (labelling in same regulation)	X			Regulation (EU) 2015/1188	X
Solid fuel space heaters	X			Regulation (EU) 2015/1186	X
Solid fuel boilers	X			Regulation (EU) 2015/1185	X
		X		Regulation (EU) 2015/1189	X
		X		Regulation (EU) 2015/1187	X
Air conditioners (incl. air to air heat pumps)	X			Regulation (EU) 206/2012	X
		X		Regulation (EU) 626/2011	X
Tyres		X ⁴		Regulation (EU) 2020/740	[in 2025]
Imaging equipment			X	COM (2013) 23	n.a.
Game consoles			X	COM(2015) 178	n.a.
Total: 31 specific product groups ,excl. standby	29	15	2	50	38

Standardisation work on ecodesign

- Lighting: 22 standards
- Local space heaters (electric, solid fuel, gas): 17 standards
- Space and water heaters: 25 standards
- Air heating and cooling products: 11 standards

Benefits of standards

- Common specifications (reduction testing costs, interoperability...)
- Presumption of conformity with essential requirements (harmonised standards)
- Support innovation by underpinning legislative requirements

Harmonised standards

- Are standards drafted by CEN-CENELEC following a standardisation request of the European Commission
- Harmonised standards only provide presumption of conformity with ecodesign legislation when cited (published) in the Official Journal
- Conformity means that a product has been tested according to the procedures set out in Annex III of the specific ecodesign act
- Their application is voluntary

Citation of a standard in the Official Journal

New approach

- **More active role of the Commission on standardisation**
- **Standardisation requests with specific deadlines vs permanent mandates**
- **Citation: Commission Implementing Decision vs Communication**
- **Date of cessation set in the Commission Implementing Decision vs automatic date of cessation**
- **Transitional methods in EU Regulations (Annex IIIa)**

Sequence standardisation process

- 1) Commission issues standardisation request (Implementing Decision)
- 2) CEN/CENELEC accept/reject the standardization request
- 3) CEN/CENELEC draft, ratify and publish standard
- 4) Commission cites the standard (Implementing Decision) or rejects it (rejection letter sent to CEN and CENELEC)

EUROPEAN COMMISSION

Commission communication in the framework of the implementation of the Commission Regulation (EU) No 1015/2010 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for household washing machines and of Commission Delegated Regulation (EU) No 1061/2010 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to energy labelling of household washing machines

(Publication of titles and references of harmonised standards under Union harmonisation legislation)

(Text with EEA relevance)

(2016/C 416/01)

ESO ⁽¹⁾	Reference and title of the standard (and reference document)	First publication OJ	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
Cenelec	EN 60456:2011 Clothes washing machines for household use — Methods for measuring the performance IEC 60456:2010 (Modified)	5.12.2013		

This standard needs to be completed to clearly indicate those legal requirements aimed to be covered. Clause ZB on tolerances and control procedures is not part of the present citation.

Note 1: Generally the date of cessation of presumption of conformity will be the date of withdrawal ('dow'), set by the European standardisation organization...

COMMISSION IMPLEMENTING DECISION (EU) 2019/451
of 19 March 2019
on the harmonised standards for construction products drafted in support of Regulation (EU)
No 305/2011 of the European Parliament and of the Council
(Text with EEA relevance)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 laying down harmonised conditions for the marketing of construction products and repealing Council Directive 89/106/EEC ⁽¹⁾, and in particular Article 17(5) thereof,

Whereas:

L 77/82

EN

Official Journal of the European Union

20.3.2019

ANNEX I

No	Reference to the standard	Reference to the superseded standard	Beginning of the coexistence period (dd.mm.yyyy.)	End of the coexistence period (dd.mm.yyyy.)
1.	EN 54-5:2017+A1:2018 Fire detection and fire alarm systems — Part 5: Heat detectors — Point heat detectors	EN 54-5:2000 Fire detection and fire alarm systems — Part 5: Heat detectors — Point detectors EN 54-5:2000/A1:2002	xx.yy.2019	31.8.2022
2.	EN 54-7:2018 Fire detection and fire alarm systems — Part 7: Smoke detectors — Point smoke detectors that operate using scattered light, transmitted light or ionization	EN 54-7:2000 Fire detection and fire alarm systems — Part 7: Smoke detectors — Point detectors using scattered light, transmitted light or ionization EN 54-7:2000/A1:2002 EN 54-7:2000/A2:2006	xx.yy.2019	31.8.2022

Commission communication in the framework of the implementation of Commission Regulation (EU) 2015/1188 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for local space heaters, of the implementation of Commission Regulation (EU) 2015/1185 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for solid fuel local space heaters and of the implementation of Commission Delegated Regulation (EU) 2015/1186 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to energy labelling of local space heaters

(Publication of titles and references of **transitional methods** of measurement and calculation ⁽¹⁾ for the implementation of Regulation (EU) 2015/1188, and in particular Annexes III and IV thereof, for the implementation of Regulation (EU) 2015/1185, and in particular Annexes III and IV thereof, and for the implementation of Regulation (EU) 2015/1186, and in particular Annexes VIII and IX thereof.)

(Text with EEA relevance)

(2017/C 076/02)

Parameter	ESO	Reference/title	Notes
(1)	(2)	(3)	(4)

Solid fuel fired local space heaters

Useful efficiency at nominal and minimum heat output: $\eta_{th, nom}$, $\eta_{th, min}$	CEN	for all other open/closed fronted appliances and cookers: EN 16510-1:2013 § 7.3, A.6.2 for pellet fired appliances: EN 14785:2006 § 6.4.2, A.4.7 & A.4.8 for slow heat release appliances: EN 15750-2:2007 06 8 6 2 A 1 6 8 A 5 8	Standard series EN 16510 will replace: EN 13240:2001 (EN 13240:2001/A2:2004/C2:2007) EN 13229:2001 (EN 13229:2011 § 6.8) EN 12815:2001 EN 12809:2001
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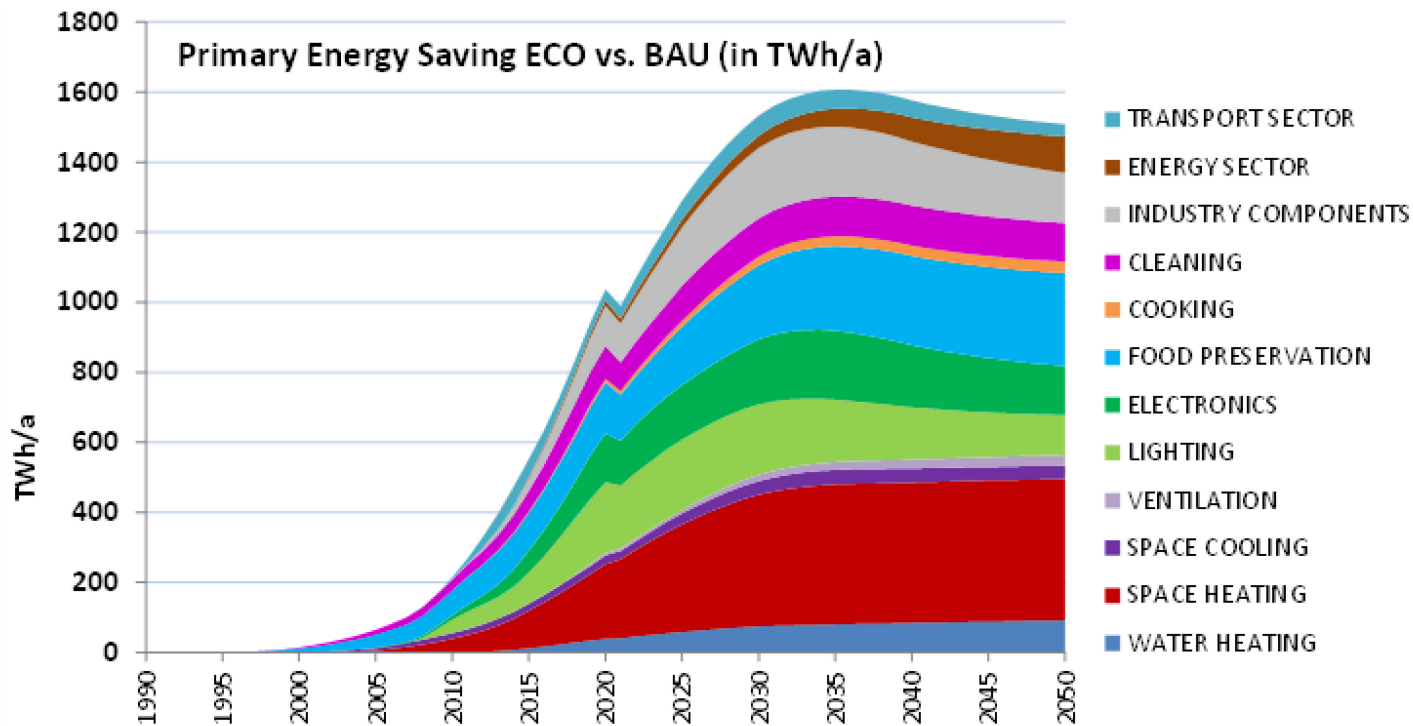
Good cooperation gives good results

- High rate of standards rejected for citation
- Better coordination Commission, CEN and CENELEC
 - Regular coordination meetings
 - Direct contact with working groups
 - Strengthened revision of standards before submission to FV
- Win-win
 - Industry: uniform specifications for conformity assessment
 - MSAs: uniform specifications verification of conformity
 - CEN and CENELEC: efficient use of resources
 - Commission: effectiveness in achieving the environmental targets

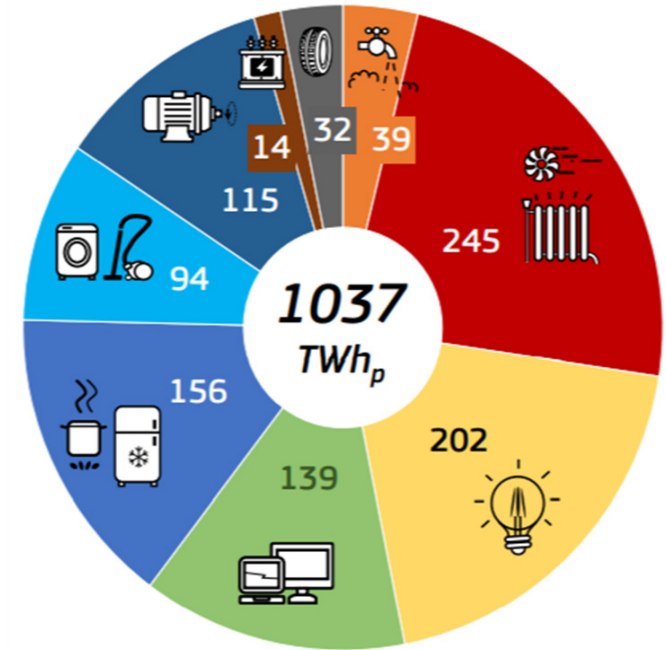
Impact of current measures increase over time

Because ED/EL affect new products placed on the market (not stock)

- Impact of measures already in force will rise $\approx 50\%$ by 2030 - (if kept in place and enforced ...)
- After 2030, without new measures, savings level off



Energy savings 2020



Upcoming standardisation requests

10 standardisation requests scheduled for 2024

- **lighting, electric motors, fans, water pumps**
- **air heating and cooling products, space and water heaters, solid fuel boilers, local space heaters, solid fuel local space heaters**
- **domestic ovens, hobs and range hoods**
- **standby and off mode**

Ecodesign for sustainable products Regulation (ESPR)

Replaces Ecodesign Directive 2009/125/EC

New features

- Scope extension beyond energy-related products
- New requirements (track substances of concern)
- Allows for ‘horizontal’ ecodesign requirements (e.g. electronic boards in appliances)
- Increased focus on product information (digital product passport developed via standards)
- Incentivising best performing products (ESPR labels – by delegated act for products not having energy label)

Ecodesign for sustainable products Regulation (ESPR)

Maintained features

- Regularly updated working plan setting out priorities under framework legislation
- Product specific measures based on dedicated study + IA





Thank you

II - Development and harmonization procedure

I - Ecodesign overview

II - Development and harmonization procedure

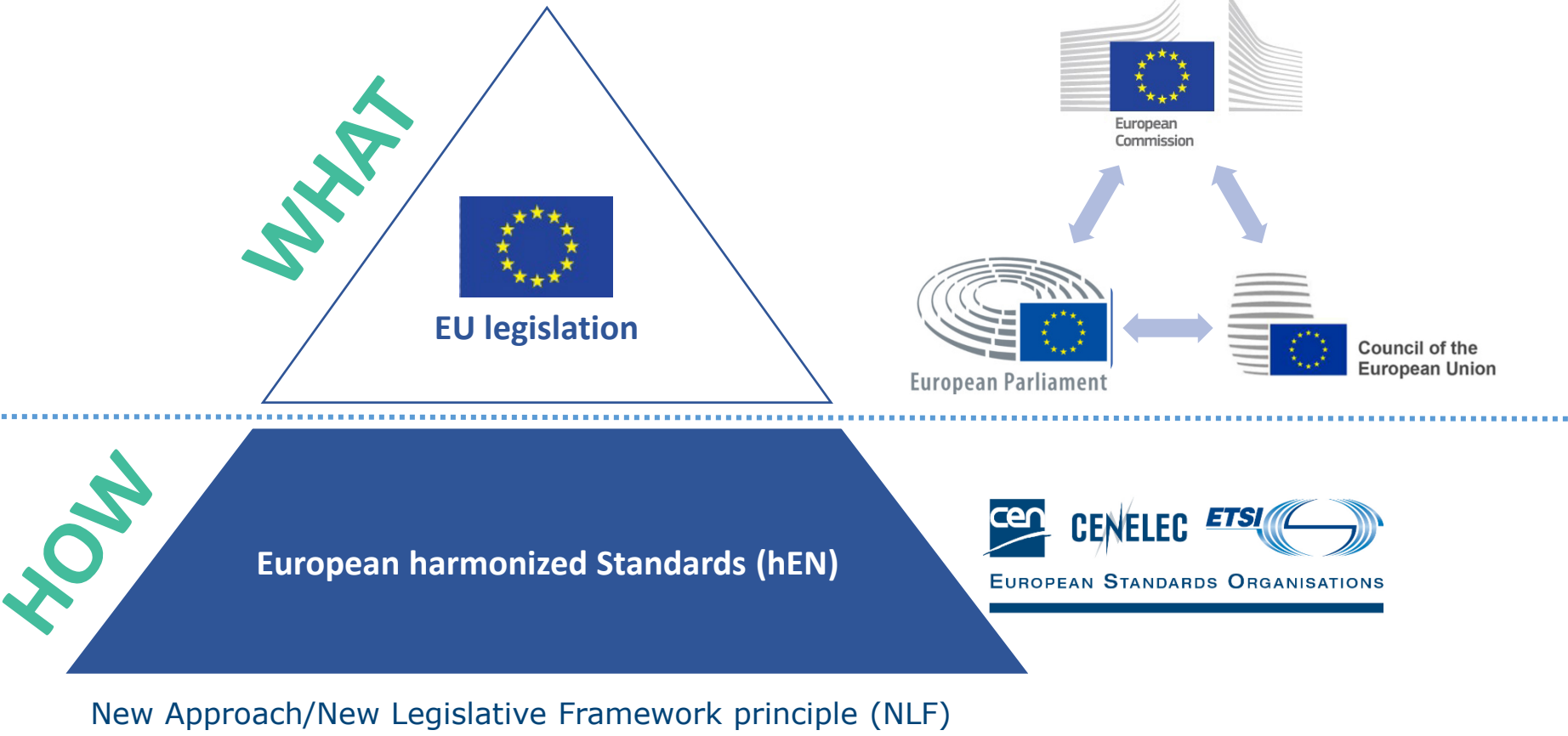
CCMC

III - Role of the consultant

IV - Recommendations for a successful citation in OJEU

V - Q & A

EU product harmonization (hEN) - principle

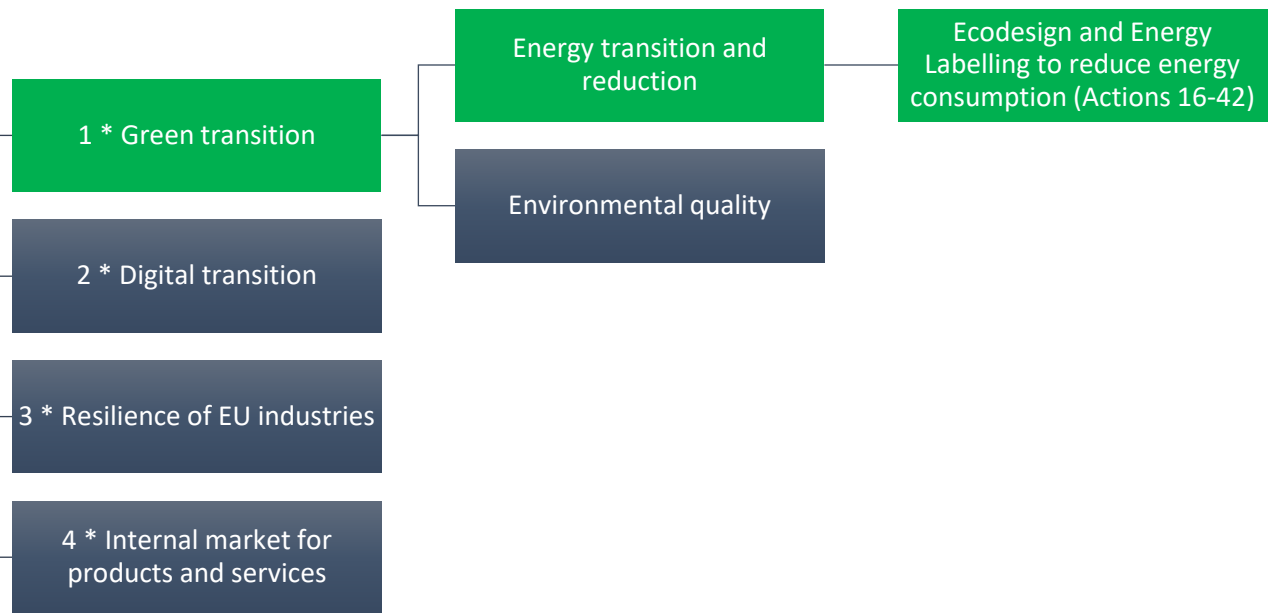


Standardization Requests - AUWP

AUWP 2023

27 actions (out of 84) related to “Ecodesign and energy labelling requirements to reduce energy consumption” [16 to 42]

AUWP



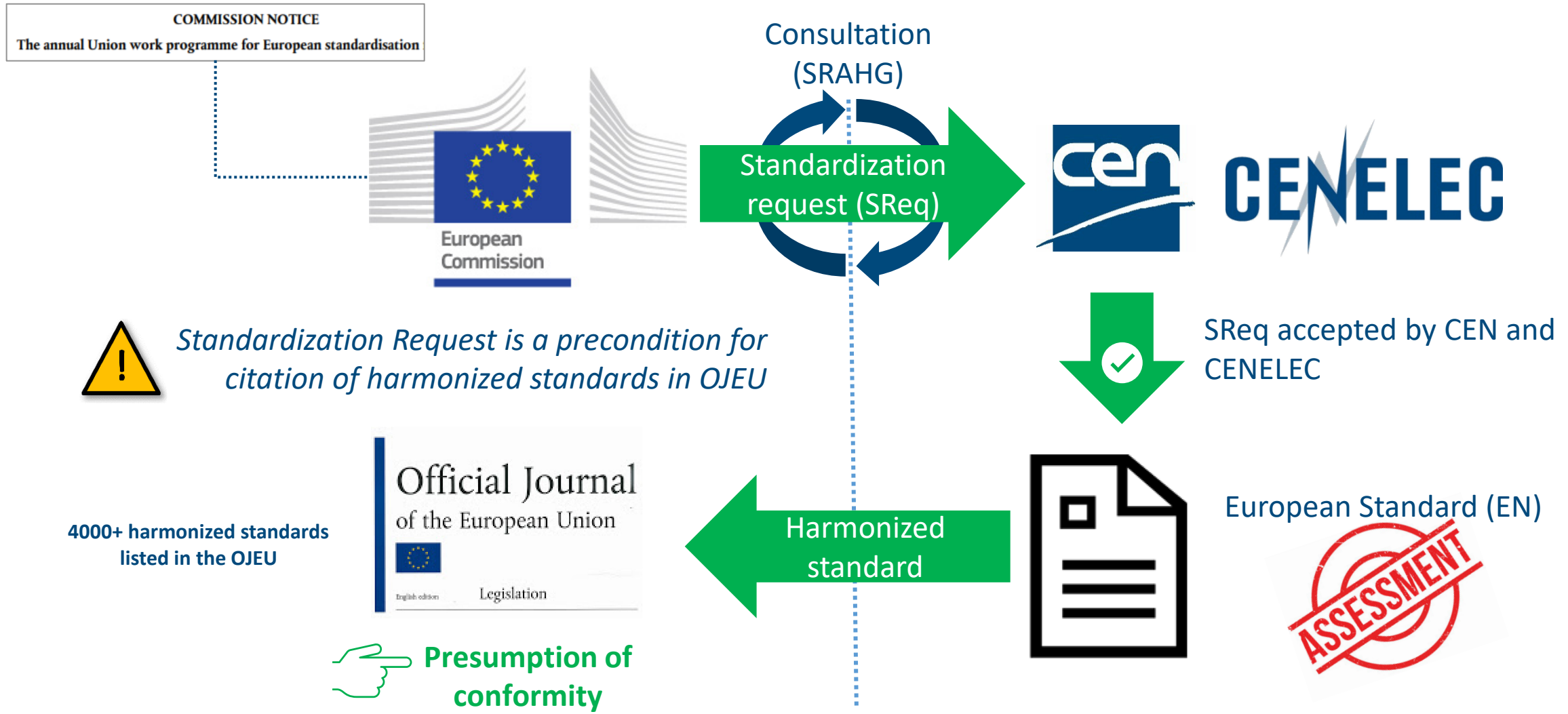
16 Ecodesign with regard to water pumps
17 Ecodesign and energy labelling of household dishwashers
18 Ecodesign and energy labelling of professional refrigeration appliances
19 Ecodesign and energy labelling of ventilation units
20 Ecodesign and energy labelling of household washing machines and household washer-dryers
21 Ecodesign and energy labelling of computers
22 Ecodesign and energy labelling of cooking appliances
23 Ecodesign and energy labelling of electronic displays
24 Ecodesign and energy labelling of light sources
25 Ecodesign and energy labelling of local space heaters
26 Ecodesign and energy labelling of local space heaters
27 Ecodesign and energy labelling of photovoltaic products (modules, inverters and systems)
28 Ecodesign and energy labelling of refrigerating appliances
29 Ecodesign and energy labelling of refrigerating appliances with direct sale function
30 Ecodesign and energy labelling of smartphones and tablets
31 Ecodesign and energy labelling of solid fuel boilers
32 Ecodesign and energy labelling of space heaters
33 Ecodesign and energy labelling of tumble driers
34 Ecodesign and energy labelling of vacuum cleaners
35 Ecodesign and energy labelling of water heaters
36 Ecodesign design of small, medium and large power transformers
37 Ecodesign of air-to-air air conditioners and heat pumps
38 Ecodesign of electric motors
39 Ecodesign of electrical and electronic household and office equipment
40 Ecodesign of external power supplies
41 Ecodesign of industrial fans
42 Ecodesign of variable-speed drives

AUWP 2023

AUWP 2024

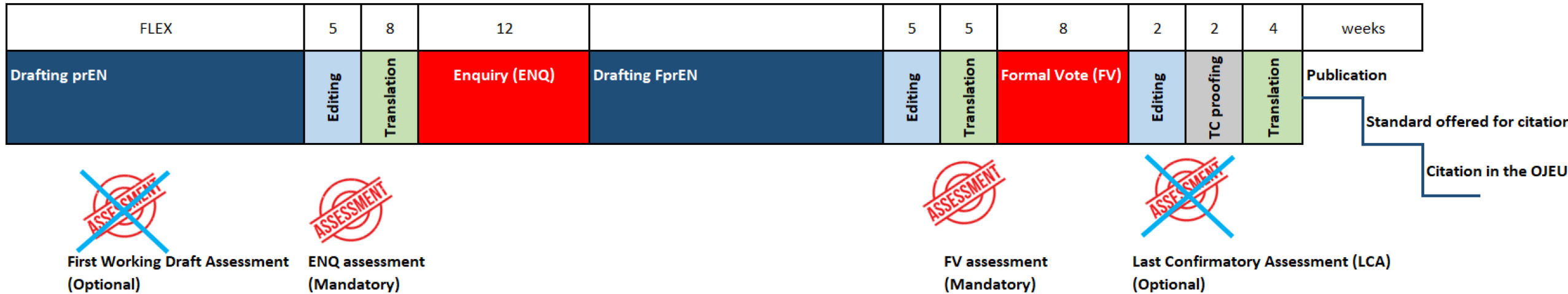
Ecodesign and energy labelling actions will remain important in the AUWP 2024 !

EU product harmonization - Workflow



Development process for homegrown hEN

- ▶ Applicable for NWI created **before 2023-10-01**
 - ▶ For Ecodesign & Energy Labelling, assessments can be requested only at **ENQ** and **FV** stages.

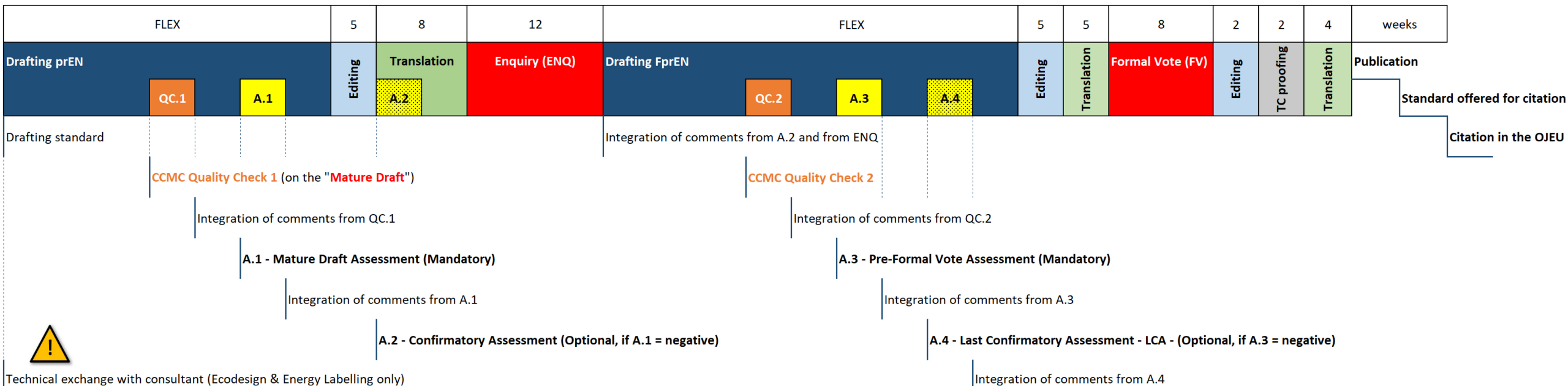


- ▶ “New Innovative Process for homegrown hEN” is applicable for NWI created **after 2023-10-01**

Innovative Process – homegrown hEN



- ▶ Innovative Process: For homegrown hEN, operational since 2023-10-01
 - ▶ ! New ! → CCMC Quality Check
 - ▶ ! New ! → first assessment (A.1) on a “Mature Draft”
- ▶ For Ecodesign & Energy Labelling standards only, technical exchange with VHK at early stage (kick-off)
- ▶ **Target:** New measures to increase the number of “compliant” assessments and, in fine, the number of standards cited in the OJEU.



Innovative Process – homegrown hEN



More detailed information will be given during the CEN and CENELEC **Webinar** on **'Innovative process for homegrown harmonised standards (hENs)'**



WEBINAR

 2023-12-18

 Online | REGISTRATION MANDATORY |  14:00

Webinar 'Innovative process for homegrown harmonised standards (hENs)'

The objective of this new process is to improve the timely delivery of compliant harmonised Standards (hENs) by shifting the focus and the efforts for compliance at the beginning of the development process and introducing the new CCMC Quality Check (QC). The innovative process applies only to hENs which are submitted to the EC consultants' assessment.

→ Do not forget to register on <https://www.cencenelec.eu/news-and-events/events/>

III - Role of the consultant

I - Ecodesign overview

II - Development and harmonization procedure

III - Role of the consultant

VHK

IV - Recommendations for a successful citation in OJEU

V - Q & A



Roy van den Boorn
Technical project manager
VHK

The work is partitioned to the following partners and subcontractors:

- VHK
- Viegand Maagoe
- DTI
- Waide Strategic Efficiency Europe
- Tait Consulting



VISIT US AT [VHK.NL](https://www.vhk.nl)

Project background

- ▶ Involved in monitoring the development of standards for the Commission since 2013.
- ▶ The first project(s) covered 7 products and the main task was monitoring the development of standards, representing the Commission in meetings and assisting with standard related questions.
- ▶ We did **not** do assessments at that time as this was part of the New Approach Consultant.
- ▶ In 2017 all the DG ENER and DG ENV's Ecodesign and Energy Labelling products and most of DG GROW's products got included in the monitoring project.
- ▶ Covering: over 20 mandates, more than 50 TC's/WG's and over 100 standards.
- ▶ Performing assessments was added to the work.

Current monitoring project for DG ENER

- ▶ Assisting the Commission to monitor the development of standards in response to standardisation requests related to Ecodesign and Energy Labelling Regulations.
- ▶ Work started 31st of August 2022 and lasts 30 months.
- ▶ Monitoring of 22 mandates, 65 TC's/ WG's and over 100 standards.
- ▶ We are **not** HAS consultants under contract of EY.

Key tasks under this project

- ▶ Attend meetings (when possible).
 1. Meetings during the development process (as observer).
 2. Meetings following an assessment report.
 3. Meetings with Commission and CCMC.

There is no formal procedure to request attendance of the consultant. Just contact the technical project manager.

- ▶ Technical assistance to both Commission and CCMC.
- ▶ Assist in preparing Transitional methods (annex IIIa).
- ▶ Assist in preparing new standardisation requests.
- ▶ Performing assessments of standards before enquiry vote, formal vote and after publication, this comes down to over 100 assessments per year.

Aim of the work

Main aim is to have in collaboration with CCMC, TC's, WG's and the EC harmonised standards published in the OJEU.

IV - Recommendations for a successful citation in OJEU

I - Ecodesign overview

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VHK

Why do we need harmonized standards?

Test and calculation methods are an essential part of implementing the requirements in Ecodesign and Energy Labelling Regulations.

They are the backbone of policy making and ultimately determine the ambition level of the legislation.

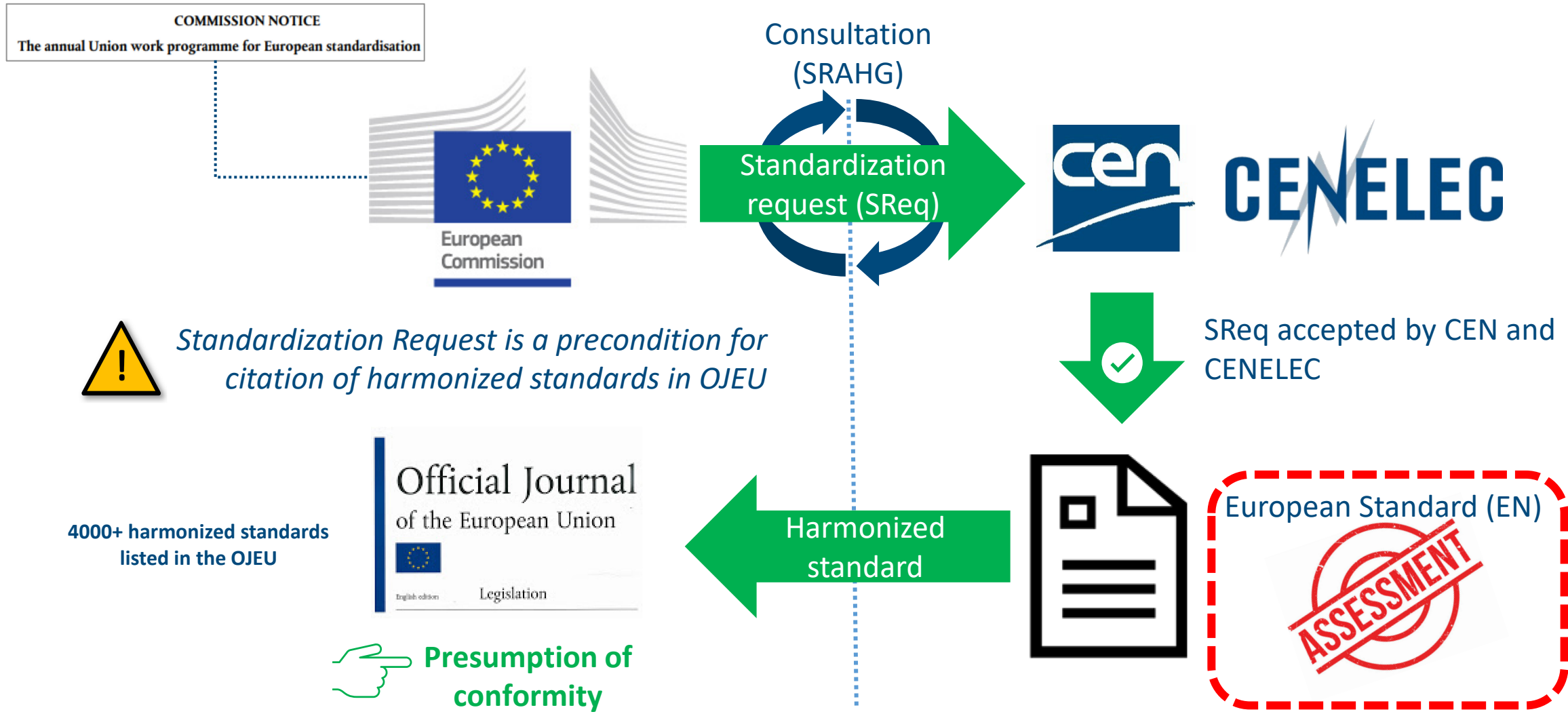
Test and calculations methods:

- Regulation
- Transitional method (was Commission communication now Annex IIIa)
- Harmonized standards published in OJEU

Fundamental to the New Approach (Council Resolution 85/C 136/01) and NLF are the following key principles:

- The harmonisation legislation which is adopted by the Union should define the essential requirements, relating to safety and other areas of public interest, that products and services being sold in the EU Single Market should comply with;
- The Commission is empowered to issue standardisation requests to European Standardisation Organisations (ESOs) through mandates, which define the technical specifications that facilitate compliance with these essential requirements;
- These technical specifications – as defined by ESOs in their standards – are not mandatory and are to be regarded as voluntary standards;
- National authorities must recognise that products conforming with the harmonised standards as defined by ESOs are presumed to conform to the essential requirements established by the Directive. It is also understood that MS Market Surveillance Authorities (MSAs) use these standards to check compliance.

EU product harmonization - Workflow





When?

In the “old” process there were 3 possible assessment requests:

- ▶ Before Enquiry vote (ESO request).
- ▶ Before Formal vote (ESO request).
- ▶ After publication (EC request)

In the new process there is a 4th assessment at an early stage (mature draft).

What is assessed?

- ▶ Quantitative analysis (Annex ZA).
- ▶ Content, suitability of the standard(s).
- ▶ Procedural formalities.
- ▶ When available, normative referenced standards are included in the assessment.
- ▶ Report will be shared and discussed with the policy officer.
- ▶ Final decision lays with the policy officer.

We do not make up the rules ourselves they are based upon publicly available documents:

- ▶ [Verification of conditions for the publication of references of harmonised standards in the Official Journal](#)
- ▶ EC Vademecum on European Standardisation ([Part I](#), [Part II](#) and [Part III](#))
- ▶ CEN and CENELEC Internal Regulations, especially part 3 “Principles and rules for the structure and drafting of CEN and CENELEC documents”
- ▶ Guidance on normative references in harmonized standards (see [CEN](#) and [CENELEC BOSS](#) pages)
- ▶ [Checklist - Standards to be offered for citation in the OJEU](#)

▶ **Compliant**

- ▶ Continue with Enquiry or Formal vote.
- ▶ After Formal vote the standard will be published and offered, by CCMC, to the European Commission for citation in the OJEU.

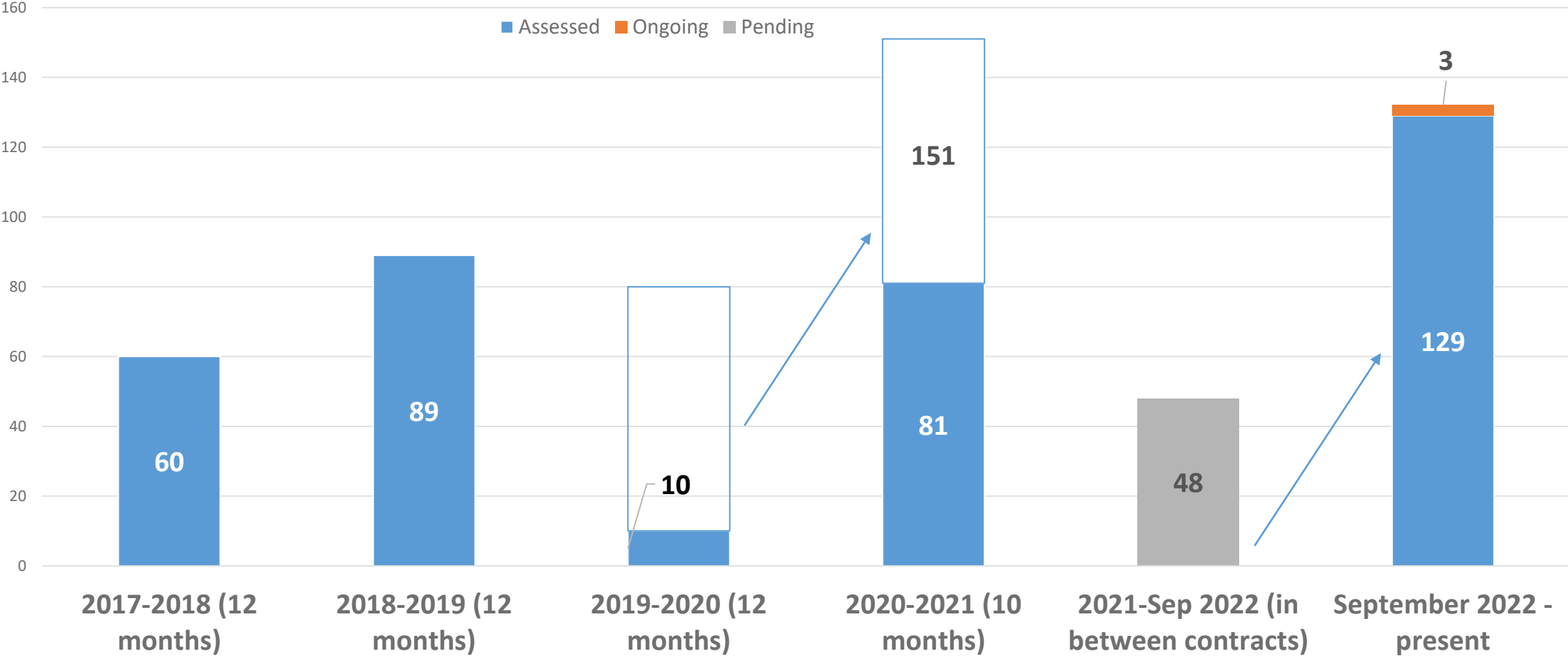
▶ **Lack of Compliance**

- ▶ Procedural issues.
- ▶ Content issues.
- ▶ TC or WG has to consider the European Common Modifications to address the compliance issues or wait for the next amendment or revision cycle (at ISO or IEC) to address those.

▶ **Conditional compliance**

- ▶ Standard contains draft or final draft normative referenced standards.

Overview of number of assessments throughout the years



Assessments

Product group	Number of assessments	Stage*
Space Heaters	48	All stages
Water heaters and hot water storage tanks	22	All stages
Air heating and cooling products	11	All stages
Air Conditioners	10	Enquiry and published standards
Commercial refrigeration	10	Enquiry and formal vote
Household refrigeration	6	Enquiry vote
Ovens, hobs and range hoods	4	Published standards
Washer dryer	4	Enquiry and published standards
Washing machines	4	Enquiry and published standards
Local space heaters	3	Published standards
Dishwashers	2	Published standard
Professional refrigeration	2	Enquiry vote
Solid fuel	2	Published standards
Standby and off mode	2	Published standards
Fans	1	Enquiry vote
Water pumps	1	Published standards
Total	132	

➤ Just 6 assessments resulted in a positive outcome.

*Assessment stage: before enquiry vote, before formal vote or after publication (on request by EC not ESO)

Main reasons for rejections

Procedural issues:

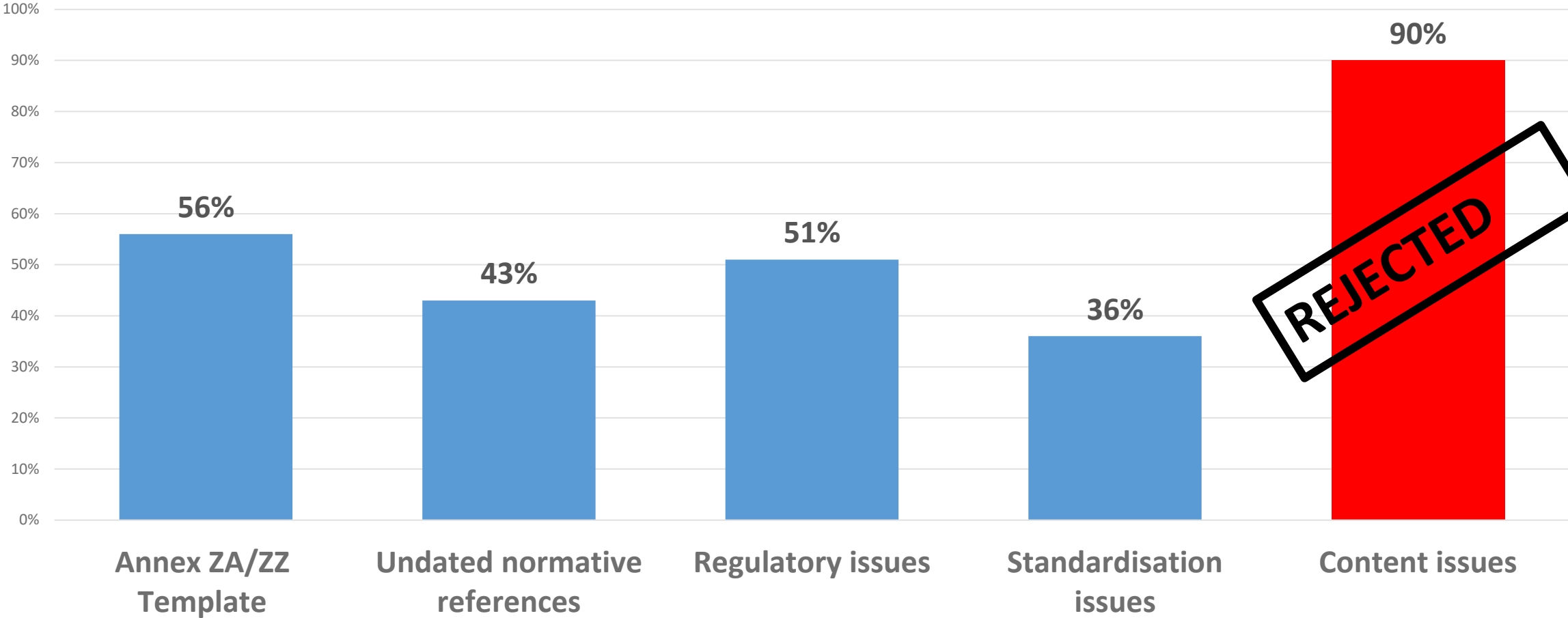
- ▶ Undated normative references;
- ▶ Inclusion of requirements (and regulation) in the test standard;
- ▶ Unclear which requirements are covered;
- ▶ Referencing to non-existing clauses;
- ▶ Referencing to informative parts.

Other issues content related for instance:

- ▶ Possible conflict with regulation.
- ▶ Standard tries to correct the regulation.
- ▶ Tolerances (e.g. manufacturing/ market surveillance).
- ▶ Does a specific standard need to be harmonised when only referencing to other (harmonised) standards?
- ▶ Editorial issues.

Main reasons for negative outcome

Issues found in assessed standards



IV - Recommendations for a successful citation in OJEU

Lack of compliance outcome

1. A wrong or incomplete Annex ZA/ZZ template is used.
2. Undated normative references.
3. Procedural issues related to Regulations:
 - ▶ Normative reference to Regulation(s);
 - ▶ Reference to non-essential requirements;
 - ▶ Unspecified requirements (e.g. missing location in the Regulation);
4. Procedural issues related to Clauses:
 - ▶ Clauses are not specified (e.g. whole clauses mentioned instead of the specific subclauses);
 - ▶ References to non-existing (sub) clauses;
 - ▶ References to wrong or too many (sub) clauses.

IV - Recommendations for a successful citation in OJEU

#1 - Templates for Annex ZA/ZZ

Templates Annex ZA/ZZ

- ▶ CEN uses Annex ZA

- https://boss.cen.eu/media/CEN/formtemp/annexza_ecodesign_e.docx

- ▶ CENELEC uses Annex ZZ

- <https://boss.cenelec.eu/reference-material/FormsTemplates/Pages/>

Templates Annex ZA/ZZ



CEN

Annex ZA
(informative)

Relationship between this European Standard and the ecodesign requirements of Commission Regulation (EU/EC) No [XXX/YYYY] [OJEU reference] aimed to be covered

This European Standard has been prepared under a Commission's standardization request [Full reference to the request 'M/xxx'/'C(201X) xxxx final'] to provide one voluntary means of conforming to the ecodesign requirements of Commission Regulation (EU/EC) No [XXX/YYYY] of [date] implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for [product name as indicated in title of the Regulation] [OJEU reference].

Once this standard is cited in the Official Journal of the European Union under that Regulation, compliance with the normative clauses of this standard given in Table ZA.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding ecodesign requirements of that Regulation and associated EFTA regulations.

Table ZA.1 — Correspondence between this European Standard and Commission Regulation (EU/EC) No [XXX/YYYY] of [date] implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for [product name as indicated in title of the Regulation] [OJEU reference] and Commission's standardisation request [Full reference to the request 'M/xxx' / 'C(201X) xxxx final']

Ecodesign Requirements of Regulation (EU/EC) No [XXX/YYYY]	Clause(s)/sub-clause(s) of this EN	Remarks/Notes

[NOTE to the drafter, to be removed before publication:

This table can be used to accommodate all possible cases and independently how detailed correspondence is established or is possible to give:

- to declare the correspondence with a general statement 'all requirements are covered' by complying 'all (or indicated) clauses' (then the table would contain only one row);
- to declare more detailed correspondence (then the table would contain as many rows as needed).]

WARNING 1 — Presumption of conformity stays valid only as long as a reference to this European Standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

WARNING 2 — Other Union legislation may be applicable to the products falling within the scope of this standard.

CENELEC

Annex ZZ
(informative)

Relationship between this European Standard and the ecodesign requirements of Commission Regulation (EU/EC) No [XXX/YYYY] aimed to be covered

This European standard has been prepared under a Commission's standardisation request [Full reference to the request 'M/xxx' / 'C(201X) xxxx final'] to provide one voluntary means of conforming to the ecodesign requirements of Commission Regulation (EU/EC) No [XXX/YYYY] of [date] implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for [XXXXXXXXXX] [OJEU reference].

Once this standard is cited in the Official Journal of the European Union under that Regulation, compliance with the normative clauses of this standard given in Table ZZ.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding ecodesign requirements of that Regulation and associated EFTA Regulations.

Table ZZ.1 – Correspondence between this European Standard and Commission Regulation (EU/EC) No [XXX/YYYY] of [date] implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for [XXXXXXXXXX] [OJEU reference] and Commission's standardisation request [Full reference to the request 'M/xxx' / 'C(201X) xxxx final']

Ecodesign requirements of Regulation No [XXX/YYYY] [OJEU reference]	Clause(s) / sub-clause(s) of this EN	Remarks / Notes

[NOTE to the drafter, to be removed before publication:

This table can be used to accommodate all possible cases and independently how detailed correspondence is established or is possible to give:

- to declare the correspondence with a general statement 'all requirements are covered' by complying 'all (or indicated) clauses' (then the table would contain only one row);
- to declare more detailed correspondence (then the table would contain as many rows as needed).]

WARNING 1: Presumption of conformity stays valid only as long as a reference to this European Standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

WARNING 2: Other Union legislation may be applicable to the products falling within the scope of this standard.

IV - Recommendations for a successful citation in OJEU

#2 - Undated normative references

Normative references (1)

For harmonised standards, the following principles are important in order to avoid the risk of normative references leading to non-compliance with the essential requirements:

- ▶ as a general rule, reference should be made to EN or ISO/IEC standards or other deliverables (e.g. Technical specifications). Other standards, not developed by the officially recognised European Standardisation Organisations, are allowed but can cause problems when not available in all EU languages;
- ▶ the relevant European Union harmonisation legislation should not be contradicted by provisions contained in normatively referenced clauses of a referenced standard;
- ▶ undated references should be avoided, as they may prevent references being published in the Official Journal;

Normative references (2)

- ▶ Particular attention should be paid to making normative references to the latest editions available during the adoption of a harmonised standard (referencing drafts or final drafts may result in lack- or conditional compliance);
- ▶ References to a clause of a standard with known or alleged deficiencies (e.g. subject to formal objection) should be avoided;
- ▶ All normative references should be publicly available when a harmonised standard is published;
- ▶ Legal acts can never be used as a normative reference
- ▶ Good practice: when possible, the hEN should refer to a specific clause of the normative reference instead of referring to the whole document.

Undated normative references exception

Annex ZC (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cencenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 60456	2010	Clothes washing machines for household use Methods for measuring the performance	EN 60456 + prAB	2016 2022
IEC 61121	2012	Tumble dryers for household use – Methods for measuring the performance	EN 61121 + A11	2013 2019
ISO 80000-1	2009	Quantities and units – Part 1: General	EN ISO 80000-1:	2013
		household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-16: Particular requirements for washer-dryers	EN IEC 60704-2-16 + A11 + A12	2019 2020 2023

- In the case of a CENELEC standard, based upon an IEC standard, undated normative referenced standards can exist in the normative text. In this case a separate Annex ZA has to be added.

IV - Recommendations for a successful citation in OJEU

#3 - Procedural issues related to referencing Regulation(s)

Normative reference to Regulation

9.6 Compliance with the Labelling delegated regulation for efficiency	
9.6.1 Seasonal space heating energy efficiency classes	
Requirement:	
The following requirements shall apply as from 26 September 2015 for boilers ≤ 70 kW nominal heat output.	
The values of the seasonal space heating energy efficiency shall be taken from 9.5.2.2.	
A printed label shall be provided with each boiler stating the seasonal space heating efficiency class determined in accordance with Table 8.	
13 Requirements for Eco-design Regulation (No 813/2013) and Energy Labelling Regulation (No 811/2013)	119
13.1 Requirements for product information for the Eco-design Regulation (Annex II, Regulation No 813/2013)	119
13.2 Energy label for Energy Labelling Regulation No 811/2013 Energy Label	119
13.2.1 Boiler energy label	119
13.2.2 Additional energy label for boilers intended to be used in a package	119
13.2.3 Energy label for a package of space heater and temperature control and/or solar device	119
13.3 Product fiche for Energy Labelling Regulation 811/2013	119

- The use of, or direct quotes of essential Ecodesign and energy label requirements from relevant legal text in normative clauses should be avoided. The standard is meant to be read in conjunction with the legal text and therefore duplicating that text is not required.
- If references to regulations are needed, they need to be informative.

Reference to non-essential requirement

- ▶ References in Annex ZA/ZZA dealing with scope, normative references, definitions and/ or requirements (literally quoted from the regulations) are not allowed. The focus should be on the requirements that need a test or calculation method.
- ▶ **New SR's** have a separate annex which parameters need to be covered and the location in the Regulation(s).

Ecodesign Requirements of Regulation No 327/2011[L90/8]	Clause(s) / sub-clause(s) of this EN	Remarks / Notes
Article 1 Scope	1	Subject matter and scope Annex C (informative) Guide to using this standard
Article 2 Definitions	3	Terms and definitions
Article 3.1 Ecodesign requirements correct!	3 But clause 3 deals with definitions	Definitions for the purpose of Annex I of Reg. 327/2011

Requirements are not specified

Ecodesign requirements of regulation 2015/1188 [OJEU L 193]	Clause(s) / sub clause(s) of this EN	Remarks / Notes
seasonal space heating energy efficiency	Clause 3- definition of product categories Clause 17 - control type and functionality	
Information requirements for electric local space heaters	3.22, 3.23, 3.24 - auxiliary electricity consumption Clause 16 - heat output	
Methods to verify control types and functionality	Clause 17	

- Every essential Ecodesign or energy labelling requirement covered needs to be specified individually and clearly indicated (location in the regulation).
- If a requirements appears in multiple locations, they all can be included in one row.

Requirements need to be specified

Ecodesign requirements of regulation 2015/1188 [OJEU L 193]	Clause(s)/ sub clause(s) of this EN	Remarks/notes
Seasonal space heating energy efficiency Annex II, 1(a)	Clause 3 – definition of product categories Clause 17 – control type and functionality	

ANNEX II ←

Ecodesign requirements

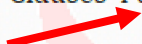

- 1. Specific ecodesign requirements for seasonal space heating energy efficiency
- (a) Local space heaters shall comply with the following requirements from 1 January 2018:
 - (i) seasonal space heating energy efficiency of open fronted local space heaters using gaseous or liquid fuel shall not be less than 42 %;
 - (ii) seasonal space heating energy efficiency of closed fronted local space heaters using gaseous or liquid fuel shall not be less than 72 %;
 - (iii) seasonal space heating energy efficiency of electric portable local space heaters shall not be less than 36 %;
 - (iv) seasonal space heating energy efficiency of electric fixed local space heaters with a nominal heat output above 250 W shall not be less than 38 %;
 - (v) seasonal space heating energy efficiency of electric fixed local space heaters with a nominal heat output equal or below 250 W shall not be less than 34 %;

➤ In case the test standard only covers gas or liquid fuel appliances the subcategories (i) or (ii) have to be added still.

IV - Recommendations for a successful citation in OJEU

#4 - Procedural issues related to Clauses

Unspecified clauses

Ecodesign Requirements of Regulation (EU) No 206/2012	Clause(s)/sub-clause(s) of this EN	Remarks/Notes
Annex I 2. (a) Table 3	Clauses 4 and 5, 6, 7 and 8 	Sound power level of single duct / double duct units
Annex I 2. (b) Table 5 	Clauses 4 and 5, Clause 6 except 6.7 Clauses 7 and 8	Sound power level (indoor/outdoor) except single duct /double duct units
Annex I 3. (c) Table 1	Clauses 4 and 5, Clause 6 except 6.7 Clauses 7 and 8	Sound power level (indoor/outdoor) except single duct /double duct units
Annex I 3. (d) Table 2	Clauses 4 and 5, 6, 7 and 8	Sound power level of single duct / double duct units

- Every clause needs to be specified as accurate as possible.
- Mention only the (sub)clause(s) relevant for test/ measurement and calculation.

Unspecified clauses

6	Operation of the unit	12
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Clause(s)/sub-clause(s) of this EN
Clauses 4 and 5, 6, 7 and 8
Clauses 4 and 5, Clause 6 except 6.7 ← Clauses 7 and 8

- Clause 6 is mentioned except 6.7 while there is not 6.7.
- Clause 7 and 8 were mentioned in the Annex ZA table but have many sub-clauses and not all might be relevant.

Referencing wrong or non-existing clauses

Annex ZA

Ecodesign Requirements of Regulation (EU) No 2015/1189]	Clause(s)/subclause(s) of this EN	Remarks/Notes
Annex II, Clause 1	5.1, 5.2, Annex F	
Annex II, Clause 2	7.4 ←	
Annex III, Clause 2	5.1, 5.2, 5.6	

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7.3	Boiler plate requirements	70
8	Technical documentation, supplied with boiler	70

Wrong subclauses

- Only normative clauses/annexes are allowed to be referenced in the Annex Z/ZZ. Referencing to informative parts of the standard are not allowed.

Annex III, 4 th introductory paragraph, (SR Cycle duration for the complete cycle)	8.3 Determination of the water and energy consumption and programme time ZA.4.7 Measurements to determine water and energy consumption of the programme and programme time ZA.5.6 Evaluation of programme time	Programme time and programme duration mean the same thing
	Annex B Suggested forms in which the data are reported	

Annex A (informative) Splitting of the base load.....	13
Annex B (informative) Suggested forms in which the data are reported.....	14

Summary

- ▶ Use the correct template.
- ▶ Date normative referenced standards (good practice: refer to specific clause(s)).
- ▶ Only refer to essential requirements.
- ▶ Add location in the regulation and name of the requirements that are covered.
- ▶ Only add the requirements that are covered.
- ▶ Be as detailed as possible when referencing (sub)clauses.
- ▶ Only refer to normative parts of the standard.
- ▶ Check if the referenced clauses exist.

Feedback poll



I - Ecodesign overview

II - Development and harmonization procedure

III - Role of the consultant

IV - Recommendations for a successful citation in OJEU

V - Q & A

ALL

- ▶ EU Commission list of Energy-efficient products: [Energy-efficient products \(europa.eu\)](https://ec.europa.eu/energy-efficient-products/)
 - ▶ Annual Union Work Plan for European standardization – AUWP 2023: <https://ec.europa.eu/docsroom/documents/53720>
 - ▶ CEN - Annex ZA: https://boss.cen.eu/media/CEN/formtemp/annexza_ecodesign_e.docx
 - ▶ CENELEC - Annex ZZ: <https://boss.cenelec.eu/reference-material/FormsTemplates/Pages/>
 - ▶ [Verification of conditions for the publication of references of harmonised standards in the Official Journal](#)
 - ▶ EC Vademecum on European Standardization ([Part I](#), [Part II](#) and [Part III](#))
 - ▶ Guidance on normative references in harmonized standards (see [CEN](#) and [CENELEC](#) BOSS pages)
 - ▶ [Checklist - Standards to be offered for citation in the OJEU](#)
-
- ▶ **Online event on 2023-12-18:** CEN and CENELEC Webinar on 'Innovative process for homegrown harmonised standards (hENs)': <https://www.cencenelec.eu/news-and-events/events/>



European Standardization Organizations

Thanks for your attention!

Upcoming webinars/events:

2023-12-18 - Webinar ['Innovative process for homegrown harmonised standards \(hENs\)'](#)

2024-01-18 - Webinar [for CEN TBOs - TS & TR new process](#)

2024-01-18 – Webinar for [CENELEC TBOs - New process for the approval of NWI, including TS & TR](#)

2024-01-26 – Webinar ['The role of standardization in climate change adaptation'](#)