



interaction between ecodesign legislation and standards

**ECOS workshop
3 April 2025**

Ecodesign & Energy labelling - scope

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

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

31 product groups (+horizontal “standby”)

- \approx 3 billion products in scope sold in 2020
- Consume \approx 50% EU final energy

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 (EU) 2017/2008	X
Welding equipment	X			Regulation (EU) 2019/1784	X
Power transformers	X			Regulation (EU) 2018/2004	X
Electric motors + var. speed drives	X			Regulation (EU) 2019/1781	X
Water pumps	X			Regulation (EU) 547/2012	X
Circulators	X			Regulation (EU) 641/2009	X
Industrial fans	X			Regulation (EU) 527/2011	X
Professional refrigeration equipment	X			Regulation (EU) 2015/1095	X
Air heating/cooling products	X			Regulation (EU) 2018/2181	X
External power supplies	X			Regulation (EU) 2019/1318	X
Computers	X			Regulation (EU) 617/2013	X
Servers and data storage products	X			Regulation (EU) 2019/434	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) 2019/2015	X
	X	X		Regulation (EU) 2019/2015	X
Dishwashers	X			Regulation (EU) 2019/2017	[by end 2025]
Washing machines + washer-dryers	X	X		Regulation (EU) 2019/2017	[by end 2025]
		X		Regulation (EU) 2019/2014	[by end 2025]
Tumble driers	X			Regulation (EU) 952/2012	X
Domestic cooking appliances: ovens, range hoods, hobs (NB: no label for hobs)	X	X		Regulation (EU) 2017/2012	X
	X	X		Regulation (EU) 48/2014	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) 2019/2019	[by end 2025]
	X	X		Regulation (EU) 2019/2018	X
Ventilation units (labelling for residential only)	X	X		Regulation (EU) 1253/2014	X
Space and combination heaters	X			Regulation (EU) 1254/2014	X
		X		Regulation (EU) 813/2013	X
Water heaters/storage tanks + solar devices	X			Regulation (EU) 811/2013	X
	X	X		Regulation (EU) 814/2013	X
Local Space Heaters (labelling in same regulation)	X			Regulation (EU) 812/2013	X
Solid fuel space heaters	X	X		Regulation (EU) 2015/1188	X
Solid fuel boilers	X			Regulation (EU) 2015/1188	X
	X	X		Regulation (EU) 2015/1187	X
Air conditioners (incl. air to air heat pumps)	X			Regulation (EU) 2006/2012	X
	X			Regulation (EU) 626/2011	X
Tyres		X*		Regulation (EU) 2020/740	[in 2025]
Imaging equipment			X	COM (2015) 23	N.A.
Game consoles			X	COM (2015) 278	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: 5 standards
- Refrigerating appliances: 2 standards recently cited in the OJ and more coming
- Several standardisation requests scheduled for 2025

Benefits of standards

- Presumption of conformity with essential requirements (harmonised standards)
- Common specifications in benefit of the industry (interoperability, reduction of costs)
- Support innovation by underpinning legislative requirements

Harmonised standards

- Are standards drafted by CEN-CENELEC following a mandate (standardisation request) of the European Commission
- When cited in the OJ, harmonised standards provide presumption of conformity with the essential requirements of essential requirements of the ecodesign and energy labelling legislation
- Their application is voluntary

Sequence legal framework – standardisation work

- 1) Commission issues standardisation request (Implementing Decision)
- 2) CEN-CENELEC drafts and adopts standard
- 3) Commission decides: citing (Implementing Decision) or rejecting (letter to CEN-CENELEC)

Citation: 'Old' vs 'new' approach

New approach: strengthened role of the Commission

- Standardisation requests (mandates) w/o deadline vs standardisation requests with specific deadlines
- Citation: Commission Communication vs Commission Implementing Decision
- Date of cessation of previous standards: set by CEN-CENELEC vs set in the Commission Implementing Decision
- Transitional methods: Commission Communication vs EU Regulations

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:

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 06.5.6.2, A.4.6.8, 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
--	-----	--	--

Good cooperation gives good results

- Commission assessment
- Almost all standards rejected for citation
- Better coordination Commission-CEN/CENELEC
 - Regular coordination meetings
 - Direct contact with working groups
 - Strengthened revision of standards before formal vote
- Win-win
 - Industry: uniform specifications for conformity assessment
 - MSAs: uniform specifications verification of conformity
 - CEN-CENELEC: efficient use of resources
 - Commission: effectiveness in achieving the environmental targets

Role of Annex III organisations

- Balance the representativeness of industry in TCs
- Provide alternative points of view
- Provide advice to EC and MS on EU standardisation activities



Thank you