



European Standardization Organizations

Welcome to this 10-10 webinar!

Standards in support of the EU Ecodesign framework

*We start at
10:00 CEST*

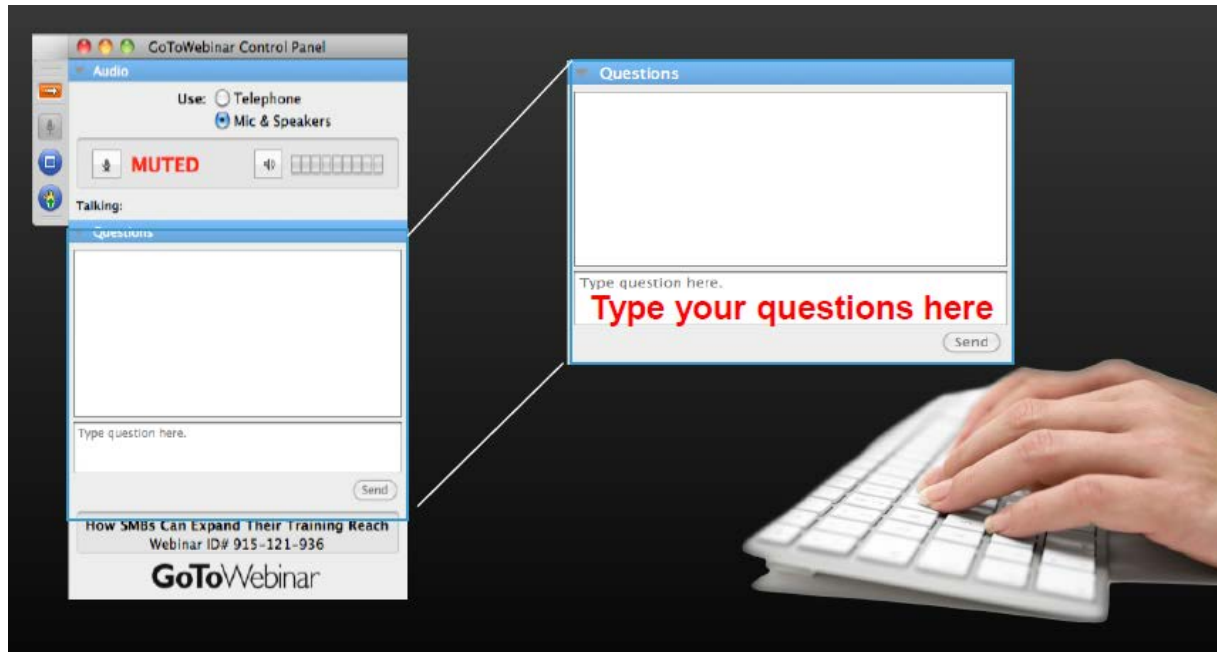
Your webinar moderator



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Your speaker today



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Content

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- ▶ European Standards in support of Ecodesign and Energy Labelling
- ▶ CEN-CENELEC Coordination Group on Ecodesign
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- ▶ Key learning points

- ▶ **Ecodesign Framework Directive 2009/125/EC** sets a framework requiring manufacturers of energy-related products to improve the environmental performance of their products
- ▶ **Energy Labelling Framework Regulation (EU) 2017/1369** enable consumers to identify the better-performing energy-related products



Give the EC the power to set concrete and compulsory energy efficiency requirements on energy-related products on the EU market



- ▶ **Requirements** are set in **product specific Commission Regulations** under Directive 2009/125/EC and **Commission Delegated Regulations** under Regulation (EU) 2017/1369
 - ▶ Set thresholds, limits, minimum energy efficiency requirements, maximum energy consumption, etc. for various parameters for ~ 30 products groups, and rank the products based on their energy efficiency

In 2019, the EC adopted new ecodesign implementing regulations and energy labelling regulations for the following energy-related products:

- ▶ **Ecodesign** – incl. new requirements for repairability and recyclability:
 - ▶ Dishwashers; washing machines and washer-dryers; refrigerators; electronic displays; light sources and separate control gears; external power supplies; electric motors; power transformers; servers and data storage products; refrigerators with a direct sales function; and welding equipment.
- ▶ **Energy Labelling** – ‘A to G’ energy label:
 - ▶ Dishwashers; washing machines and washer-dryers; refrigerators; light sources; electronic displays and refrigerating appliances with a direct sales function.

European Standards in support of Ecodesign and Energy Labelling



CEN-CENELEC Coordination Group on Ecodesign (Eco-CG)



- ▶ Established by CEN and CENELEC Technical Boards in November 2012 (Secretariat: AFNOR)
- ▶ Objective → to ensure proper communication as well as proper coordination of, and consistency between, Ecodesign and Energy Labelling activities:
 - ▶ between the European Commission (EC), the CEN-CENELEC Management Centre (CCMC) and the CEN and CENELEC Technical Committees (TCs);
 - ▶ between the TCs themselves.
- ▶ The Eco-CG is comprised of:
 - ▶ Members: CEN/CLC TCs impacted by Ecodesign and involved in M/480 'Energy performance buildings' (max. 2 representatives), CCMC, EC, EFTA, Partner Organizations (incl. Annex III), Chair & Secretary of relevant CEN/CLC Sector Fora (e.g. SABE, SFEM) and CEN/CLC Members;
 - ▶ Observers: ISO, IEC, ITU-T and ETSI.

CEN and CENELEC figures

- ▶ 26 standardization requests (more in the pipeline)
- ▶ ≈ 165 published European standards (ENs)
- ▶ 24 Technical Committees actively involved
- ▶ Products covered by CEN and CENELEC - To be expanded **based on EC's Ecodesign Working Plans**: Vacuum cleaners – External power supplies – Simple set top boxes – Refrigerating appliances – Circulators – Electric motors – Variable speed drives – Televisions – Dishwashers – Washing machines – Lamps – Air conditioners – Power transformers – Electrical lamps – Professional refrigeration – Fans – Water heaters – Space heaters – Ventilation units – Networked standby – Computers and computer servers – Non-household washing machines, dryers and dishwashers – Local space heaters – Solid fuel boilers – Welding equipment – Refrigerated commercial display cabinets – Air heating, cooling and high temperature process chillers – Tumble dryers – etc.

Upcoming Ecodesign Working Plan 2020-2024 will focus more on **circular economy matters!**

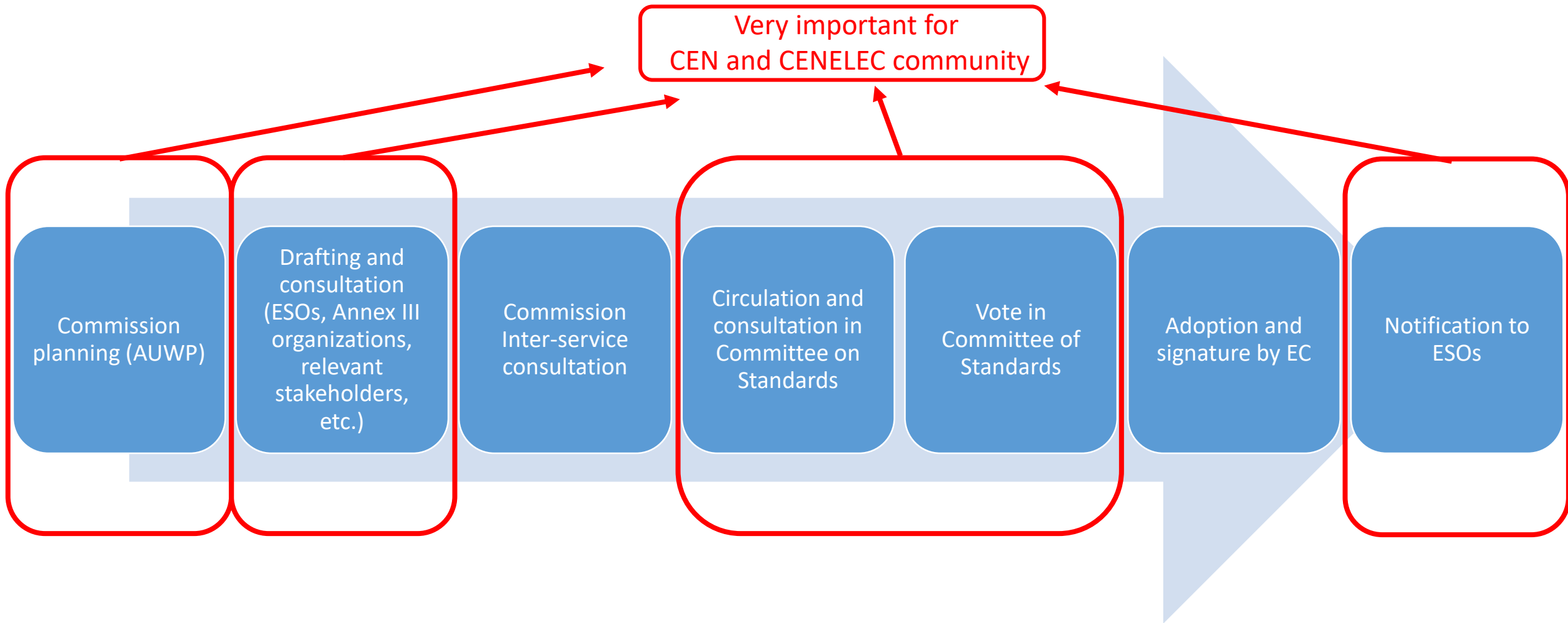


The preparatory study started in March 2020 and is expected to finish by December 2020 – for more information: <https://www.ecodesignworkingplan20-24.eu/>

Upcoming Standardization Requests

- ▶ The EC has started the development of the following standardization requests (SReq) in the ecodesign framework:
 - ▶ Ecodesign and energy labelling requirements for **household dishwashers, household washing machines and household washer-dryers**;
 - ▶ Ecodesign requirements for **air-to-air air conditioners, air-to-air heat pumps and comfort fans**;
 - ▶ Ecodesign requirements **for servers and data storage products**;
 - ▶ Ecodesign requirements for **refrigerating appliances with a direct sales function**;
 - ▶ Measurement of functional performance for **taps and showers**.

Standardization Requests – workflow EC



- ▶ Annex ZA (CEN) and Annex ZZ (CENELEC)
 - ▶ Informative
 - ▶ Indicates relationship between requirements of a Regulation aimed to be covered and the applicable clauses
 - ▶ As many Annexes ZA/ZZ as Regulations aimed to support
- ▶ CEN: Annex ZA with table ZA.1
- ▶ CENELEC: Annex ZZ with a table ZZ.1
- ▶ Template for Ecodesign and Energy Labelling available on CEN and CENELEC websites:
 - ▶ [CEN BOSS](#)
 - ▶ [CENELEC BOSS](#)

How to draft Annex ZA/ZZ for Ecodesign and Energy Labelling harmonized Standards



- ▶ Table ZA.1/Table ZZ.1 shall indicate the relationship between the ecodesign/energy labelling requirements, the product information sheet, the technical documentation, etc. and the specific clause(s) in the standard
- ▶ Harmonized standards does not have to cover all relevant requirements but Annex ZA/ZZ must always be consistent with the real coverage of the requirements
- ▶ Provide reference(s) to specific clauses/subclauses that provide coverage of requirements, rather than whole sections of standard

Table ZZ.1 – Correspondence between this European Standard and Commission Regulation (EU) 2019/2019 of 1.10.2019 laying down ecodesign requirements for refrigerating appliances pursuant to Directive 2009/125/EC of the European Parliament and of the Council and repealing Commission Regulation (EC) No 643/2009 [OJEU L315/187 of 5.12.2019] and Commission’s standardisation request “Mandate to CEN, CENELEC and ETSI for Standardisation in the field of household refrigerating appliances”, M/459 (2009)

Ecodesign requirements of Regulation No 2019/2019 [OJEU L315/187 of 5.12.2019]	Clause(s) / sub-clause(s) of this EN	Remarks/ Notes
Annex II, 2 c) Marking of compartments	Clause 5.2	Marking for frozen compartments
Annex II, 2 e) 2-star sub-compartments or 2-star sections	Clauses 3.3.16., 3.3.16.2, 3.3.16.4, 3.3.17	
Annex II, 2 f) 4-star compartments	Clause 3.3.16.4	
Article 4.4 Variable temperature compartment	Clause 3.3.4 and Annex B.2.5.2	

How to draft Annex ZA/ZZ for Ecodesign and Energy Labelling harmonized Standards



- ▶ When a requirement is partly covered it should clearly be stated to which extent the requirement is covered
- ▶ When a specific clause of the standard is needed (directly or indirectly) for the determination of the required parameters in the Regulation(s), it needs to be linked to the requirements of the Regulation in the Annex ZA/ZZ
- ▶ If coverage is only provided by normative reference to another standard, don't claim PoC in referring standard

Table ZA.1 — Correspondence between this European Standard and Commission Regulation (EU) No 2015/1095 of 5 May 2015 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for professional refrigerated storage cabinets, blast cabinets, condensing units and process chillers and Commission's standardisation request M/495 EN and its Amendment No. 1 Technical Update

Ecodesign Requirements of Regulation (EU) No 2015/1095	Clause(s)/sub-clause(s) of this EN	Remarks/Notes
Annex II 2c (i)	3.8, 7	Equipment designed to be used with a remote condensing unit (not supplied with the blast cabinet itself) is not covered

Sample of reasons for **non** citation of Ecodesign and Energy Labelling standards in the OJEU



Normative references:

- ▶ Copy-pasted ecodesign and energy labelling requirements in the normative parts of the standard
 - ▶ If the Regulation(s) is amended and the requirements are updated, the standard will not be updated right away
- ▶ References to the standardization request, the transitional method and the Regulation in the normative parts of the standards
- ▶ EU Directives/Regulations cannot be used as normative references! **Very explicitly not allowed in Clause 4 of the CEN-CENELEC Internal Regulations Part 3**



Ecodesign and Energy Labelling standards should only contain the [measurement] method as such and not the thresholds/requirements referenced in the relevant Regulations!

Sample of reasons for **non** citation of Ecodesign and Energy Labelling standards in the OJEU



Normative references:

- ▶ Undated normative references → the references to the relevant standards should be dated to avoid that an update of the referenced standard would lead to a withdrawal of the publication in the OJEU

Standardization Requests requirements:

- ▶ The items identified in the standardization request and the content of the transitional method need to be taken up in the standards, no references to their items and content should be included in the standard
- ▶ All parameters identified in the standardization request need to be taken up in the standards. If the scope of the standard is limited, the parameters need to be taken up in another standard

- ▶ Ecodesign and Energy Labelling – **outside** HAS Consultant framework
- ▶ Compliance to the requirements is assessed by the EC Desk Officers (DG ENER, DG ENV, DG GROW) and EC Consultants – **interaction with EC via CCMC!**
- ▶ Discussions **ongoing** with EC to establish a mechanism to assess the standards developed in support of Ecodesign and Energy labelling Regulations at:
 - ▶ Drafting stage
 - ▶ Enquiry stage
 - ▶ Formal Vote stage

Ecodesign and Energy Labelling harmonized Standards – Assessment



- ▶ **IMPORTANT!** The Work Item (WI) needs to be linked to the relevant legislation and standardization request:
 - ▶ In the Technical Committee Work Programme
 - ▶ Reflected as such in the database

and

- ▶ Registered in an approved European Commission Work Programme for the Standardization Request

Ensure the Technical Committee Work Programme is up-to-date!

Ecodesign and Energy Labelling harmonized Standards – OJEU citation



- ▶ ESOs and their TCs aim at ensuring that all conditions are fulfilled for standards to be cited in the OJEU, a.o. Annex ZA/ZZ
- ▶ The final decision, based on all elements provided, to cite the reference of the standard in the OJEU is the responsibility of the European Commission
- ▶ Standards cited in the OJEU under the ecodesign and energy labelling implementing measures (not under Framework Directive/Regulation)
- ▶ CEN and CENELEC offer candidate harmonized standards (hENs) to EC for citation quarterly

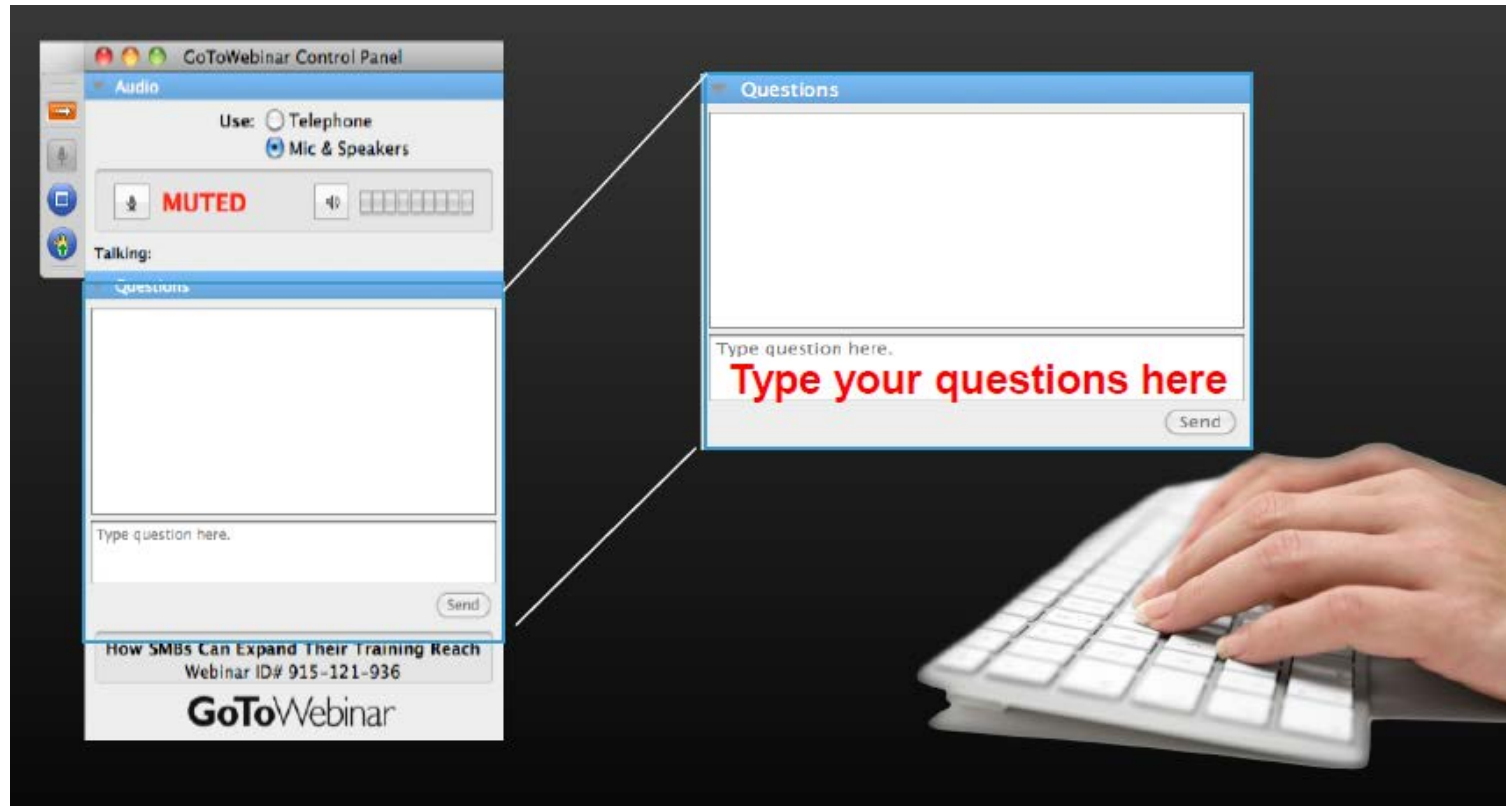
Key learning points

1. Annexes ZA/ZZ are key elements for acceptance by EC
2. Use the correct Annex ZA/ZZ template and as many Annexes ZA/ZZ as the number of Directives/Regulations the standards aims to cover
3. Annex ZA/ZZ must always be consistent with the real coverage the requirements
4. Ecodesign and Energy Labelling standards should only contain the [measurement] method as such and not the thresholds/requirements referenced in the relevant Regulations
5. WI not in the Work programme of a SReq, without Annex ZA/ZZ → no assessment/citation!

...and do not hesitate to get in touch with CCMC for further advice!

Question time

► Use the Q&A panel to submit your questions





European Standardization Organizations

Thank you for your participation!

Next webinars:

28 May - [Webinar for Standard Drafters "Drafting for XML: Technical requirements for figures"](#)

8 June - [Webinar "Exploring standardization's contribution to the achievement of the United Nations SDGs"](#)