

# CEN TC264

## *European standardisation*

Martine Van Poppel

VITO

# CEN standardization work



EUROPEAN COMMITTEE  
FOR STANDARDIZATION

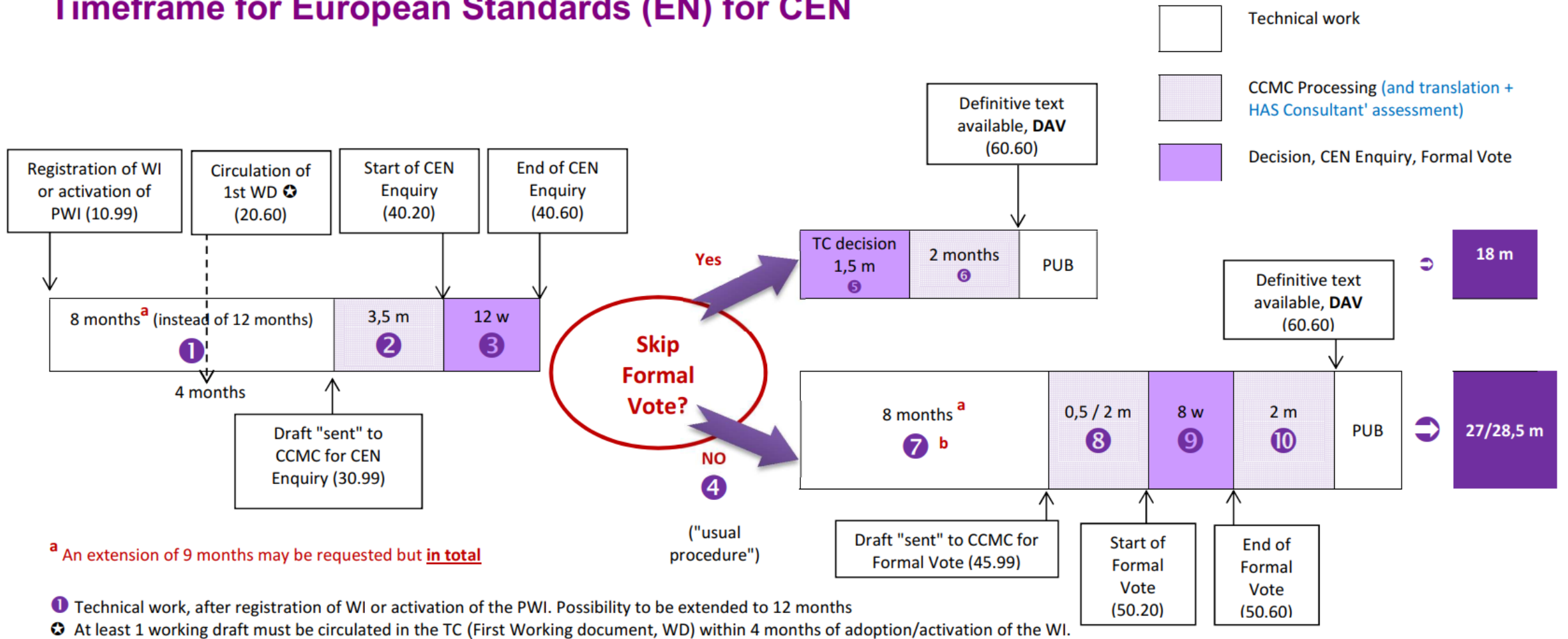
- CEN, the European Committee for Standardization
  - Develops EN standards and TS (Technical Specification)
  - Consensus based process
  - Documents developed by CEN Technical Body and approved through vote by the CEN national members
  
- **CEN TC 264: Air Quality**
  - Focus on ambient air and emissions
  - Convenor/ Rod Robinson (NPL)
  - Secretary: Jochen Theloke (DIN)



# Deliverables van TC



# Timeframe for European Standards (EN) for CEN



# Overview TC264 WGs

- Involvement VITO on different levels: Passive member, Active member, Convenor

	Title	Secretariat	Convenor	Secretary	
→	WG 1	Emissions – Dioxins and PCB	DIN, Germany	Dr. Abad, Spain	Dr. Neuroth, KRdL im VDI und DIN
	WG 8	Emissions – Total mercury	NEN, The Netherlands	Mr. A. Curtis, United Kingdom	Ms. Boehmer, NEN
	WG 9	Emissions – Quality assurance of AMS	DIN, Germany	Mr. Robinson, United Kingdom	Mr. Faassen, KRdL im VDI und DIN
	WG 11	Ambient air – Diffusive samplers	NEN, The Netherlands	Dr. Martin, United Kingdom	Ms. van Hoek, NEN
	WG 12	Ambient air – VOCs/SO <sub>2</sub> /NO <sub>2</sub> /O <sub>3</sub> /CO	NEN, The Netherlands	Mr. Stacey, United Kingdom	Ms. van Hoek, NEN
	WG 13	Ambient air – Ozone precursors and benzene	DIN, Germany	Mr. Worton, United Kingdom	Dr. Höfert, KRdL im VDI und DIN
→	WG 15	Ambient air PM <sub>10</sub> /PM <sub>2.5</sub>	DIN, Germany	Mr. Stacey, United Kingdom	Dr. Neuroth, KRdL im VDI und DIN
	WG 21	Ambient air – PAHs	DIN, Germany	Dr. Gladtko, Germany	Dr. Höfert, KRdL im VDI und DIN
	WG 28	Ambient air and emissions – Bioaerosols	DIN, Germany	Dr. Herr, Germany	Dr. Niebaum, KRdL im VDI und DIN
	WG 30	Ambient air – Biomonitoring methods with flowering plants	DIN, Germany	Mr. Radermacher, Germany	Ms. Heesen, KRdL im VDI und DIN
→	WG 32	Ambient air – Particle number concentration	DIN, Germany	Prof. Helsper, Germany	Dr. Höfert, KRdL im VDI und DIN
	WG 33	Emissions –GHG in energy-intensive industries	DIN, Germany	Dr. Hoenig, Germany	Dr. Sager, KRdL im VDI und DIN
	WG 35	Ambient air – EC/OC	DIN, Germany	Mr. Putaud, EC-JRC	Dr. Neuroth, KRdL im VDI und DIN
→	WG 38	Emissions – Diffuse VOCs	DIN, Germany	Mr. Robinson, United Kingdom	Dr. Höfert, KRdL im VDI und DIN
	WG 39	Ambient air – Airborne pollen grains and fungal spores	AFNOR, France	Mr. Oliver, France	Ms. Thomas, AFNOR
→	WG 40	Emissions – Formaldehyde	DIN, Germany	Prof. Baumbach, Germany	Dr. Höfert, KRdL im VDI und DIN
→	WG 41	Emissions and ambient air – Instrumental odour monitoring	UNI, Italy	Dr. Cipriano, Italy	Mr. Turano, UNI
→	WG 42	Ambient air – Air quality sensors	NEN, The Netherlands	Ms. van Poppel, Belgium	Ms. van Hoek, NEN
→	WG 43	Ambient air – Modelling quality objectives	DIN, Germany	Mr. Thunis, EC-JRC	Dr. Neuroth, KRdL im VDI und DIN
	WG 44	Ambient air – Source apportionment	DIN, Germany	Mr. Pirovano, Italy	Dr. Neuroth, KRdL im VDI und DIN
→	WG 45	Emissions – Proficiency testing schemes	DIN, Germany	Dr. Cipriano, Italy	Mr. Faassen, KRdL im VDI und DIN
	WG 46	Task Force Emissions	DIN, Germany	Prof. Ehrlich, Germany	Mr. Faassen, KRdL im VDI und DIN
	WG 47	Emissions – Diffuse emissions from building vents and roof openings	AFNOR, France	Ms. Fraboulet, France	Ms. Thomas, AFNOR

# Yearly plenary meeting: Agenda

- Secretary's report
  - Active WGs, Published deliverables
  - CEN/TC264 projects
  - Liaison with other CEN/TC, ISO/TC, organisations
  - Review meetings with DG ENV, CCMC (CEN Management Center)
- Update and relevant activities by DG ENV, JRC, AQUILA
- Co-operation with ISO/TC146
- Report and discussion of all TC WGs
- EURAMET pre-normative metrology research activities
- General topics of interest for Convenors
- Discussion of future-oriented topics for TC 264 and New Work Items (NWI)
- Business plan of TC264 and check of liasons



SEARCH IN

CEN

CENELEC

Keywords

- select a language -



Committee

CEN/TC 264



Air quality



Deliverable

Type

EN



Standard Reference

Legal Framework

- Directives -



Status

Preliminary Stage

Under Draft

Under Approval (

Under Enquiry )

Approved

Published

Withdrawn

Standards Classification

ICS

- ICS -



Activity sector

- Activity Sectors -






Sustainable Development Goals (SDGs)

- SDG -



Standards : 


Committee	Reference, Title	Status	Sales Points
CEN/TC 264	(WI=00264233) Ambient air - Diffusive samplers for the determination of concentrations of gases - Requirements and test methods	Preliminary	
CEN/TC 264	(WI=00264215) Stationary source emissions - Calibration of elemental and oxidised mercury gas generators for SI-traceable mercury concentration measurements in air	Preliminary	
CEN/TC 264	(WI=00264231) Ambient Air — Biomonitoring with Higher Plants — Method of the Standardised Grass Exposure	Preliminary	
CEN/TC 264	(WI=00264235) Instrumental Odour Monitoring Systems (IOMS) - Part 1: Definitions and general aspects	Preliminary	
CEN/TC 264	(WI=00264236) Instrumental Odour Monitoring Systems (IOMS) - Part 2: Technical specifications and QA/QC requirements	Preliminary	
CEN/TC 264	(WI=00264237) Instrumental Odour Monitoring Systems (IOMS) - Part 3: Field validation	Preliminary	
CEN/TC 264	<b>EN 12341:2023</b> (WI=00264184) Ambient air - Standard gravimetric measurement method for the determination of the PM10 or PM2,5 mass concentration of suspended particulate matter	Published	
CEN/TC 264	<b>EN 12619:2013</b> (WI=00264122) Stationary source emissions - Determination of the mass concentration of total gaseous organic carbon - Continuous flame ionisation detector method	Published	
CEN/TC 264	<b>EN 13211:2001</b> (WI=00264012) Air quality - Stationary source emissions - Manual method of determination of the concentration of total mercury	Published	



# Liaison with other CEN/TC, ISO/TC

Technical Body/ Organization	Title/Name	Secretariat
CEN/TC 57	Central heating boilers	DIN
CEN/TC 112	Woodbased panesl	DIN
CEN/TC 137	Assessment of workplace exposure	DIN
CEN/TC 207	Furniture	UNI
CEN/TC 295	Residential solid fuel burning appliances	BSI
CEN/TC 234	Gas infrastructure	DIN
CEN/TC 312	Thermal solar systems and components	ELOT
CEN/TC 351	Construction products – Assessment of release of dangerous substances	NEN
CEN/PC 421	Emission safety of combustible air fresheners and similar products	UNI
CEN/TC 437	Electronic cigarettes and e-liquids	AFNOR
CEN/TC 444	Test methods for environmental characterization of solid matrices	NEN
CEN/TC 467	Climate Change	UNI
ISO/TC 24	Particle characterization including sieving	DIN
ISO/TC 146	Air quality	DIN
ISO/TC 207	Environmental management	SCC

Examples (ISO/TC146):

- SC3/WG8: New cross section (ozone) ISO 10313
- SC3/WG17: PAH
- SC4: revision of units
- SC6 (ISO 16000-30): Sensory testing for indoor
- SC6 (ISO 16017-1): indoor , ambient, workplace – sampling and analysing VOCs

Common ISO/CEN standards?

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# Future oriented topics

- Current approach: List op potential new areas for standardization (reviewed annually)
- This tool is rather static, has not really worked so far
  - NWI arise from within WGs or through mandates
  - Need for a roadmap for future areas of standardization (within timeline 5/10 years)
- Interactive discussion
  - Review areas of work
  - Identify key drivers and future AQ and emissions landscape
  - Discuss future on NWI, future areas
- Organisation of workshop: open for stakeholders (also non WG members)

# Future directions

- New energy sources/vectors
  - Hydrogen
  - Smaller local power production
  - Electric vehicles
  - Bio fuels
- Low carbon/net zero economy
  - CCUS / BECCS / Direct air capture
  - Agriculture
  - Green manufacturing
- New pollutants /sources
  - PFAS associated with fuel cells and recycling activities
  - ETO
  - Microplastics
  - Smaller industries

# Future topics for flanders?

- Full list: (what is of interest for us?)

[CEN-TC264\\_N3270\\_TC 264 Future Work Items Review 2023\\_RRobinson.pdf](#)

IDEAS?  
discussion...

**QUESTIONS?**

**IDEAS?**

**DISCUSSION...**

