

The Role of CEN TC 264 in Standardisation

CEN/TC 264

THE ROLE OF CEN TC/264 IN STANDARDISATION

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CEN / TC 264-Introduction

- The need for standards
- The workings of CEN
- Standard Methods
- Challenges
- Conclusions

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WHY DO WE NEED STANDARDS?

- To support legislation.
- To ensure consistency.
- Why not any National standard?
- Why not other standards?

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WHY USE CEN STANDARDS

- Because CEN standards are validated and their accuracy is known.
- Field inter-comparisons of methods.
- Uncertainties evaluated.
- Performance based standards.
- Mandated and funded by EC.

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WHAT IS CEN?

- Committee European de Normalisation
- 15 Member Bodies-Standards Institutes
- WG-TC- BT-PM-CMC
- TC 264-AQ measurement methods
- NWI — BT

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TC 264-OBJECTIVES



- Standard tools for consistency in air quality measurement.
- Support the EU Environmental policy and legislation

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TC 264 - REQUIREMENTS for STANDARDISATION

- Convenor-to project manage-members
- Experts-willing to donate their time
- Accommodation -to hold meetings
- Resources -to carry out field validation
- Secretariat -to guide and assist convenor
- Proposal for new work item

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TC 264-Production of standards

- Approval –EC mandate & contract
- Evaluate candidate methods in the field.
- Draft critical criteria.
- Field and Lab uncertainty evaluation.
- Method drafted and sent for enquiry.
- Method modified and sent for formal vote.
- CEN translate into 3 languages and publish.
- National Bodies publish in own language.

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TC 264 Types of Standard

	EN	TS	TR	CWA	Guide
Expert	Nat-Del	Nat-Del	Nat-Del	Attendees	Nat-Del
App'l	MB	TC	TC or BT	Wksp	GA or BT
Stdstl	Y	N	N	N	N
Lang	3	1	1	1	1

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TC 264-AMBIENT STANDARDS

- EN 14625:2005 – Standard method for the measurement of Ozone by UV Photometry.
- EN 14626: 2005 - Standard method for the measurement of CO by NDIR Spectroscopy
- EN 14902:2005 - Standard method for the measurement of Pb, Cd, As, and Ni in the PM 10 fraction of suspended matter.
- EN 14907:2005 - Standard gravimetric method for the measurement of the PM 2.5 mass fraction of suspended matter.

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TC 264-AMBIENT STANDARDS

- EN 14212:2005 – Standard method for the measurement of the concentration of SO₂ by Ultraviolet Fluorescence
- EN 14662-1,2,3,4 & 5: 2005 – Standard methods for the measurement of Benzene.
 - Pumped - thermal desorp & Gas Chrom
 - Pumped - solvent desorp & Gas Chrom
 - Automated - in-situ Gas Chromatography
 - Diffusive - thermal desorp & Gas Chrom
 - Diffusive - solvent desorp & Gas Chrom

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TC 264-AMBIENT STANDARDS

- EN:ISO 16017-1/2:2001/3 –(including I and W) . Sampling and Analysis of VOCs by sorbent tube/thermal desorp/Cap Gas Chromatography, Pumped & Diffusive Sampling
- EN 13528-1, 2 & 3:2002/3 – Diffusive samplers for the determination of conc'ns of gases. General/specific requirements & test methods, & guide to selection/use & maintenance
- EN 14211:2005 – Standard method for the measurement of the concentration of NO₂ & NO by chemiluminescence.

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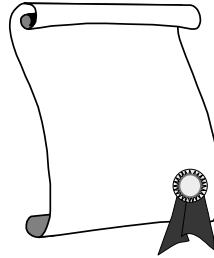
CEN TC 264 - CHALLENGES

- Non-prescriptive legislation
 - No detailed methods-diffusion tubes
- Budgeting and contracts
- External tendering
- Equivalency of methods
- Parochial interests
- The Convenor
- Unexpected field trial problems

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CEN/TC 264 - In Conclusion



- Willing partners CEN/EC
- Financial flexibility
- Better project management
- High Quality CEN Standards

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CEN PERSPECTIVE -
THE IMPORTANCE OF
STANDARDS

by Don Munns
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