TECHNICAL SPECIFICATION

SPÉCIFICATION TECHNIQUE

TECHNISCHE SPEZIFIKATION

CEN/TS 15674

October 2007

ICS 13.040.40

English Version

Air quality - Measurement of stationary source emissions - Guidelines for the elaboration of standardised methods

Qualité de l'air - Mesure des émissions de sources fixes - Lignes directrices pour l'élaboration de méthodes normalisées

Luftbeschaffenheit - Messung von Emissionen aus stationären Quellen - Leitlinien zur Erarbeitung von standardisierten Verfahren

This Technical Specification (CEN/TS) was approved by CEN on 18 September 2007 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

Ref. No. CEN/TS 15674:2007: E

Contents

Page

Foreword

This document (CEN/TS 15674:2007) has been prepared by Technical Committee CEN/TC 264 “Air quality”, the secretariat of which is held by DIN.

This document has been prepared by WG 19 "Emissions monitoring strategy" of CEN/TC 264 as one of three basic documents on measurements of stationary source emissions consisting of:

— EN 15259, *Air quality — Measurement of stationary source emissions — Requirements for measurement sections and sites and for the measurement objective, plan and report*

— CEN/TS 15674, *Air quality — Measurement of stationary source emissions — Guidelines for the elaboration of standardised methods*

— CEN/TS 15675, *Air quality — Measurement of stationary source emissions — Application of EN ISO/IEC 17025:2005 to periodic measurements*

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this Technical Specification: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

This European Technical Specification provides guidance to assist with the five years periodical revision of European Standards prepared by CEN/TC 264 and when drafting new standards. It is designed to ensure that the revised standards and new standards, when used with or without reference to accreditation

— are appropriate technical references giving no rise to significant misunderstandings and/or significant differences of interpretation by technical auditors and/or by testing laboratories,

— are consistent one with another regarding definitions and general aspects as well as with the general structure of emission measurement programmes as addressed in EN 15259,

— are consistent one with another in view of combined measurements of several measured components at the same time in the framework of a measurements programme and

— are in accordance and properly linked with CEN/TS 15675 and EN 15259.

It is considered that such significant differences, misunderstandings and/or inconsistencies would, on the one hand, impair the quality and comparability within the European Union of data produced according to those European emission measurement standards and on the other hand, result in unfair competition among European laboratories in the field of emission measurements.

This document can be applicable to other air quality fields.

1 Scope

This document gives recommendations and specifies requirements for the elaboration of standardised reference methods of measurement for the field of stationary source emissions by CEN/TC 264, with or without reference to accreditation. It aims at facilitating in the working groups the elaboration and the harmonisation of the standards produced by CEN/TC 264.

This document aims at ensuring that the specific requirements specified in CEN/TS 15675 are taken on board in the individual measurement standards either directly or by reference to EN 15259.

This document specifies terms and definitions for use in other air quality standards.

This document elaborates the CEN rules as given in CEN/BOSS and in the Internal Regulations Part 3 (PNE rules) in the field of stationary source emissions.

2 Normative references

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

EN 13284-1:2001, *Stationary source emissions — Determination of low range mass concentration of dust — Part 1: Manual gravimetric method*

EN 15259:2007, *Air quality — Measurement of stationary source emissions — Requirements for measurement sections and sites and for the measurement objective, plan and report*

CEN/TS 14793, *Stationary source emission — Intralaboratory validation procedure for an alternative method compared to a reference method*

CEN/TS 15675, *Air quality — Measurement of stationary source emissions — Application of EN ISO/IEC 17025:2005 to periodic measurements*

3 General recommendations and requirements

This document applies to the elaboration of new or revised standards for emission measurement methods. It provides in Clause 4 requirements and recommendations specific to each clause of such standards. When a detailed requirement or recommendation applies to several clauses, it is repeated in each clause for sake of clarity.

Each individual measurement standard for stationary source emissions shall clearly specify all requirements specific for this standardised measurement method. It shall make normative or informative reference to EN 15259 for general requirements (e.g. measurement planning and general reporting). It shall also incorporate the relevant requirements of CEN/TS 15675.

Since sampling on site and analysis in the laboratory are two very different activities which are internally or externally performed by distinct teams, it is vital in view of accreditation or of any auditing process that the requirements that are to be fulfilled by the supplier team are easily identified. This should therefore allow to clearly identify the tasks to be audited and concerning each team, especially the team responsible for the whole measurement including signing the overall test report, which is the prime contractor as described in CEN/TS 15675.

Figure 1 illustrates key stages of periodic measurements of emissions from stationary sources and the interrelations between the individual measurement standards and the general document EN 15259.