



National Standards Authority of Ireland
Údarás um Chaighdeán Náisiúnta na hÉireann

IRISH STANDARD

I.S. EN 15267-3:2007

ICS 13.040.40

**AIR QUALITY - CERTIFICATION OF
AUTOMATED MEASURING SYSTEMS - PART
3: PERFORMANCE CRITERIA AND TEST
PROCEDURES FOR AUTOMATED
MEASURING SYSTEMS FOR MONITORING
EMISSIONS FROM STATIONARY SOURCES**

National Standards
Authority of Ireland
Glasnevin, Dublin 9
Ireland

Tel: +353 1 807 3800
Fax: +353 1 807 3838
<http://www.nsai.ie>

Sales

<http://www.standards.ie>

*This Irish Standard was
published under the authority
of the National Standards
Authority of Ireland and
comes into effect on:
27 February 2008*

**NO COPYING WITHOUT NSAI
PERMISSION EXCEPT AS
PERMITTED BY COPYRIGHT
LAW**

© NSAI 2007

Price Code R

Údarás um Chaighdeán Náisiúnta na hÉireann

This page is intentionally left BLANK.

I.S. EN 15267-3:2007

EUROPEAN STANDARD

EN 15267-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2007

ICS 13.040.40

English Version

**Air quality - Certification of automated measuring systems - Part
3: Performance criteria and test procedures for automated
measuring systems for monitoring emissions from stationary
sources**

Qualité de l'air - Certification des systèmes de mesurage
automatisés - Partie 3: Spécifications de performance et
procédures d'essai pour systèmes de mesurage
automatisés des émissions de sources fixes

Luftbeschaffenheit - Zertifizierung von automatischen
Messeinrichtungen - Teil 3: Mindestanforderungen und
Prüfprozeduren für automatische Messeinrichtungen zur
Überwachung von Emissionen aus stationären Quellen

This European Standard was approved by CEN on 17 November 2007.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

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

Contents

Page

Foreword	3
0 Introduction	4
1 Scope	7
2 Normative references	7
3 Terms and definitions	7
4 Symbols and abbreviations	12
5 General requirements	15
6 Performance criteria common to all AMS for laboratory testing	17
7 Performance criteria common to all AMS for field testing	20
8 Performance criteria specific to measured components	22
9 General test requirements	27
10 Test procedures for laboratory tests	28
11 Requirements for the field test	42
12 Test procedures common to all AMS for field tests	43
13 Test procedures for particulate AMS	48
14 Measurement uncertainty	48
15 Test report	49
Annex A (informative) Standard reference methods	50
Annex B (normative) Interferents	51
Annex C (normative) Test of linearity	52
Annex D (normative) Determination of the total uncertainty	54
Annex E (informative) Elements of performance testing report	60
Bibliography	62

Foreword

This document (EN 15267-3:2007) has been prepared by Technical Committee CEN/TC 264 "Air quality", the secretariat of which is held by DIN.

This document shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2008 and conflicting national standards shall be withdrawn at the latest by June 2008.

This document is Part 3 of a series of European Standards:

- EN 15267-1, *Air quality — Certification of automated measuring systems — Part 1: General principles*
- EN 15267-2, *Air quality — Certification of automated measuring systems — Part 2: Initial assessment of the AMS manufacturer's quality management system and post certification surveillance for the manufacturing process*
- EN 15267-3, *Air quality — Certification of automated measuring systems — Part 3: Performance criteria and test procedures for automated measuring systems for monitoring emissions from stationary sources*
- EN 15267-4, *Air quality — Certification of automated measuring systems — Part 4: Performance criteria and test procedures for automated measuring systems for monitoring ambient air quality*

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: 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.

0 Introduction

0.1 General

CEN has established standards for the certification of automated measuring systems (AMS) used for monitoring emissions from stationary sources and ambient air quality. This product certification is based on the following four sequential stages:

- a) performance testing of an AMS;
- b) initial assessment of the AMS manufacturer's quality management system;
- c) certification;
- d) post certification surveillance.

This European Standard defines the performance criteria and test procedures for performance testing of AMS used to monitor emissions from stationary sources. Testing applies to complete measuring systems.

The overall assessment for the purposes of certification is *conformity testing*, whilst the evaluation of performance against specified performance criteria is *performance testing*.

0.2 Legal drivers

This European Standard supports the requirements of the following EU Directives:

- Directive on the limitation of emissions of certain pollutants into the air from large combustion plants (2001/80/EC);
- Directive on the incineration of waste (2000/76/EC);
- Directive on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain activities and installations (1999/13/EC);
- Integrated Pollution Prevention and Control Directive (1996/61/EC);
- Directive on processes emitting greenhouse gases (2003/87/EC).

However, this European Standard can also be applied to the monitoring requirements specified in other EU Directives.

0.3 Relationship to EN 14181

The Quality Assurance Levels (QAL) defined in EN 14181 cover the suitability of an AMS for its measuring task (QAL1), the regular calibration and validation of the AMS (QAL2), and the control of the AMS during its ongoing operation on an industrial plant (QAL3). An Annual Surveillance Test (AST) is also defined in EN 14181.

This European Standard provides the detailed procedures covering the QAL1 requirements of EN 14181. Furthermore, it provides input data for QAL3.

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- Looking for additional Standards? Visit Intertek Inform Infostore
 - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-