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I.S. EN 15267-2:2009

# 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



## I.S. EN 15267-2:2009

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**EUROPEAN STANDARD**

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English Version

**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**

Qualité de l'air - Certification des systèmes de mesurage  
automatisés - Partie 2 : Evaluation initiale du système de  
gestion de la qualité des fabricants d'AMS et surveillance  
après certification du procédé de fabrication

Luftbeschaffenheit - Zertifizierung von automatischen  
Messeinrichtungen - Teil 2: Erstmalige Beurteilung des  
Qualitätsmanagementsystems des Herstellers und  
Überwachung des Herstellungsprozesses nach der  
Zertifizierung

This European Standard was approved by CEN on 14 February 2009.

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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.

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## **Foreword**

This document (EN 15267-2:2009) has been prepared by Technical Committee CEN/TC 264 “Air quality”, the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2009, and conflicting national standards shall be withdrawn at the latest by September 2009.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document is Part 2 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*

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 the United Kingdom.



## **Introduction**

The product certification of automated measuring systems (AMS) supports the requirements of certain Directives of the European Union (EU), which require, either directly or indirectly, that AMS comply with performance criteria, maximum permissible measurement uncertainties and testing requirements. These Directives include the Directive on the limitation of emissions of certain pollutants into the air from large combustion plants [1], the Directive on the incineration of waste [2] and the Framework Directive on ambient air quality assessment and management [3] and the associated daughter directives [4], [5], [6] and [7].

An AMS will typically undergo design changes during its product life. It is essential to ensure that such changes do not alter the AMS such that it no longer conforms with its certified performance. In order to control such design changes for the product certification of AMS this European Standard specifies the requirements for

- the manufacturer's quality management system,
- the initial assessment of an AMS manufacturer's production control, and
- the continuing surveillance of the effect on performance of certified AMS of subsequent design changes.

This European Standard follows the structure of EN ISO 9001:2000 such that clause numbers in Clauses 4 to 8 of this standard coincide with those of EN ISO 9001:2000. However, this European Standard does not preclude the use of other quality management systems that are compatible with the objectives of EN ISO 9001:2000.



## 1 Scope

This European Standard specifies the requirements for the manufacturer's quality management system, the initial assessment of the manufacturer's production control and the continuing surveillance of the effect of subsequent design changes on the performance of certified automated measuring systems.

This European Standard also serves as a reference document for auditing the manufacturer's quality management system.

## 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 ISO 9001:2000, *Quality management systems — Requirements (ISO 9001:2000)*

EN ISO/IEC 17021, *Conformity assessment — Requirements for bodies providing audit and certification of management systems (ISO/IEC 17021:2006)*

EN ISO/IEC 17025, *General requirements for the competence of testing and calibration laboratories (ISO/IEC 17025:2005)*

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

### 3.1

#### **automated measuring system**

##### **AMS**

entirety of all measuring instruments and additional devices for obtaining a result of measurement

NOTE 1 Apart from the actual measuring device (the analyser), an AMS includes facilities for taking samples (e.g. probe, sample gas lines, flow meters and regulator, delivery pump) and for sample conditioning (e.g. dust filter, pre-separator for interferences, cooler, converter). This definition also includes testing and adjusting devices that are required for functional checks and, if applicable, for commissioning.

NOTE 2 The term "automated measuring system" (AMS) is typically used in Europe. The terms "continuous emission monitoring system" (CEM) and "continuous ambient-air-quality monitoring system" (CAM) are also typically used in the UK and USA.

[EN 15267-1:2008, 3.1]

### 3.2

#### **relevant body**

competent authority or certification body, nominated by a competent authority or EU member state, that carries out the certification of automated measuring systems

[EN 15267-1:2008, 3.2]

### 3.3

#### **competent authority**

organisation which implements the requirements of EU Directives and regulates installations, which must comply with the requirements of applicable European Standards

[EN 15267-1:2008, 3.3]



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