

# **SLOVENSKI STANDARD**

## **SIST EN ISO 16283-1:2014/A1:2018**

**01-februar-2018**

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**Akustika - Terenska merjenja zvočne izolirnosti stavbnih elementov in v stavbah -  
1. del: Izolirnost pred zvokom v zraku - Dopolnilo A1 (ISO 16283-1:2014/Amd  
1:2017)**

Acoustics - Field measurement of sound insulation in buildings and of building elements -  
Part 1: Airborne sound insulation - Amendment 1 (ISO 16283-1:2014/Amd 1:2017)

Akustik - Messung der Schalldämmung in Gebäuden und von Bauteilen am Bau - Teil 1:  
Luftschalldämmung (ISO 16283-1:2014/Amd 1:2017)

Acoustique - Mesurage in situ de l'isolation acoustique des bâtiments et des éléments de  
construction - Partie 1: Isolation des bruits aériens - Amendement 1 (ISO 16283-  
1:2014/Amd 1:2017)

**Ta slovenski standard je istoveten z: EN ISO 16283-1:2014/A1:2017**

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**ICS:**

17.140.01	Akustična merjenja in blaženje hrupa na splošno	Acoustic measurements and noise abatement in general
91.120.20	Akustika v stavbah. Zvočna izolacija	Acoustics in building. Sound insulation

**SIST EN ISO 16283-1:2014/A1:2018**      **en**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 16283-1:2014/A1**

December 2017

ICS 91.120.20

English Version

**Acoustics - Field measurement of sound insulation in  
buildings and of building elements - Part 1: Airborne  
sound insulation - Amendment 1 (ISO 16283-1:2014/Amd  
1:2017)**

Acoustique - Mesurage in situ de l'isolation acoustique  
des bâtiments et des éléments de construction - Partie  
1: Isolation des bruits aériens - Amendement 1 (ISO  
16283-1:2014/Amd 1:2017)

Akustik - Messung der Schalldämmung in Gebäuden  
und von Bauteilen am Bau - Teil 1: Luftschalldämmung  
(ISO 16283-1:2014/Amd 1:2017)

This amendment A1 modifies the European Standard EN ISO 16283-1:2014; it was approved by CEN on 18 September 2017.

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

This amendment 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-CENELEC Management Centre has the same status as the official versions.

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



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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

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## European foreword

This document (EN ISO 16283-1:2014/A1:2017) has been prepared by Technical Committee ISO/TC 43 “Acoustics” in collaboration with Technical Committee CEN/TC 126 “Acoustic properties of building elements and of buildings” the secretariat of which is held by AFNOR.

This Amendment to the European Standard EN ISO 16283-1:2014 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2018, and conflicting national standards shall be withdrawn at the latest by June 2018.

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

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, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

### Endorsement notice

The text of ISO 16283-1:2014/A1:2017 has been approved by CEN as EN ISO 16283-1:2014/A1:2017 without any modification.

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# INTERNATIONAL STANDARD

**ISO  
16283-1**

First edition  
2014-02-15  
**AMENDMENT 1**  
2017-10

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## Acoustics — Field measurement of sound insulation in buildings and of building elements —

### Part 1: Airborne sound insulation

**AMENDMENT 1**  
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*Acoustique — Mesurage in situ de l'isolation acoustique des  
bâtiments et des éléments de construction —*

*Partie 1: Isolation des bruits aériens*

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**AMENDMENT 1**



Reference number  
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## Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 43 *Acoustics*, Subcommittee SC 2, *Building acoustics*.

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A list of all parts in the ISO 16283 series can be found on the ISO website.

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# Acoustics — Field measurement of sound insulation in buildings and of building elements —

## Part 1: Airborne sound insulation

### AMENDMENT 1

#### 3.14

Add the following note to entry:

Note 5 to entry: In the case of staggered or stepped rooms,  $S$  is the area of the partition that is common to both rooms. If the common area is  $0 \text{ m}^2$ , the apparent sound reduction index is undefined and therefore it is logical to use the standardized level difference. If it is necessary to quote the apparent sound reduction index (e.g. for regulatory purposes) for staggered or stepped rooms when the common area is greater than  $0 \text{ m}^2$  but less than  $10 \text{ m}^2$ , the following procedure can be used. Calculate  $V/7,5$ , where  $V$  is the volume, in cubic metres, of the receiving room, which must be smaller than the source room unless the source and receiving rooms have identical volumes. If the common area is larger than  $V/7,5$ , then  $S$  equals the common area, otherwise, it equals the value,  $V/7,5$ .

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4.1, first and the second paragraphs  
<https://standards.iteh.ai/catalog/standards/sist/04b67e4e-839a-439f-bd36-18a8eb626d81/sist-en-iso-16283-1-2014-a1-2018>  
 Delete “0 or” from the relevant paragraphs.

#### 4.2, first sentence

Delete “0 or” from the relevant sentence.

#### 8.2.1, NOTE

Delete the last sentence.

#### 8.5

Replace the text with the following:

### 8.5 Calculation of low-frequency energy-average sound pressure levels

#### 8.5.1 Multiple loudspeakers operating simultaneously

When multiple loudspeakers are operated simultaneously, the corner sound pressure level,  $L_{\text{Corner}}$ , is the highest sound pressure level from the set of measured corners for each of the 50 Hz, 63 Hz and 80 Hz one-third octave bands after making any required correction for background noise according to 9.2.