

AKUSTIKA

**Keskkonnamüra kirjeldamine, mõõtmine ja hindamine
Osa 2: Keskkonnamüra taseme määramine**

Acoustics

**Description, measurement and assessment of
environmental noise**

**Part 2: Determination of environmental noise levels
(ISO 1996-2:2007)**

EVS

EESTI STANDARDI EESSÕNA**NATIONAL FOREWORD**

See Eesti standard EVS-ISO 1996-2:2014 „Akustika. Keskkonnamüra kirjeldamine, mõõtmine ja hindamine. Osa 2: Keskkonnamüra taseme määramine“ sisaldab rahvusvahelise standardi ISO 1996-2:2007 „Acoustics – Description, measurement and assessment of environmental noise – Part 2: Determination of environmental noise levels“ identset ingliskeelset teksti.	This Estonian Standard EVS-ISO 1996-2:2014 consists of the identical English text of the International Standard ISO 1996-2:2007 „Acoustics – Description, measurement and assessment of environmental noise – Part 2: Determination of environmental noise levels“.
Ettepaneku rahvusvahelise standardi ümbertrüki meetodil ülevõtuks on esitanud Tartu Ülikooli Töökeskkonnalabor, standardi avaldamist on korraldanud Eesti Standardikeskus.	Proposal to adopt the International Standard by reprint method has been presented by Laboratory of Work Environment of University of Tartu, the Estonian standard has been published by the Estonian Centre for Standardisation.
Standard EVS-ISO 1996-2:2014 on jõustunud sellekohase teate avaldamisega EVS Teataja 2014. aasta augustikuu numbris.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Käsitlusala

Standardi ISO 1996 see osa kirjeldab, kuidas helirõhu tasemeid saab määrata otsese mõõtmise, mõõtetulemustest arvutuste teel ekstrapoleerimise või ainuüksi arvutuste teel, ja selliste tulemuste kasutamist keskkonnamüra hindamiseks. Standard annab ka soovitusi eelistatud mõõdistamistingimustele või arvutuste tegemiseks juhtudel, kus teised regulatsioonid ei ole rakendatavad. Seda osa standardist ISO 1996 saab kasutada mõõtmisteks iga sageduskaalu filtriga või sagedusribas. Esitatud on juhised müra hinnangu tulemuse määramatuse hindamiseks.

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MÄRKUS 2 Üldistuse huvides on sagedus- ja ajakaalu tähistavad alaindeksid standardi ISO 1996 selles osas ära jäetud.

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EVS

Acoustics — Description, measurement and assessment of environmental noise —

Part 2: Determination of environmental noise levels

1 Scope

This part of ISO 1996 describes how sound pressure levels can be determined by direct measurement, by extrapolation of measurement results by means of calculation, or exclusively by calculation, intended as a basis for assessing environmental noise. Recommendations are given regarding preferable conditions for measurement or calculation to be applied in cases where other regulations do not apply. This part of ISO 1996 can be used to measure with any frequency weighting or in any frequency band. Guidance is given to evaluate the uncertainty of the result of a noise assessment.

NOTE 1 As this part of ISO 1996 deals with measurements under actual operating conditions, there is no relationship between this part of ISO 1996 and other ISO standards specifying emission measurements under specified operating conditions.

NOTE 2 For the sake of generality, the frequency and time weighting subscripts have been omitted throughout this part of ISO 1996.

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.

ISO 1996-1:2003, *Acoustics — Description, measurement and assessment of environmental noise — Part 1: Basic quantities and assessment procedures*

ISO 7196, *Acoustics — Frequency-weighting characteristic for infrasound measurements*

IEC 60942:2003, *Electroacoustics — Sound calibrators*

IEC 61260:1995, *Electroacoustics — Octave-band and fractional-octave band filters*

IEC 61672-1:2002, *Electroacoustics — Sound level meters — Part 1: Specifications*

Guide to the expression of uncertainty in measurement (GUM), BIPM/IEC/IFCC/ISO/IUPAC/IUPAP/OIML, 1993 (corrected and reprinted, 1995)