
Akustika - Preskusne metode za kvalifikacijo akustičnega okolja - 1. del:
Kvalifikacija okolij prostega polja (ISO 26101-1:2021)

Acoustics - Test methods for the qualification of the acoustic environment - Part 1:
Qualification of free-field environments (ISO 26101-1:2021)

Akustik - Verfahren für die Qualifizierung von Freifeld-Prüfumgebungen - Teil 1:
Qualifizierung von Freifeldumgebungen (ISO 26101-1:2021)

Acoustique - Méthodes d'essai pour la qualification de l'environnement acoustique -
Partie 1: Qualification des environnements en champ libre (ISO 26101-1:2021)

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EN ISO 26101-1

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English Version

**Acoustics - Test methods for the qualification of the
acoustic environment - Part 1: Qualification of free-field
environments (ISO 26101-1:2021)**

Acoustique - Méthodes d'essai pour la qualification de
l'environnement acoustique - Partie 1: Qualification
des environnements en champ libre (ISO 26101-
1:2021)

Akustik - Verfahren für die Qualifizierung von Freifeld-
Prüfumgebungen - Teil 1: Qualifizierung von
Freifeldumgebungen (ISO 26101-1:2021)

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European foreword

The text of ISO 26101-1:2021 has been prepared by Technical Committee ISO/TC 43 "Acoustics" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 26101-1:2022 by Technical Committee CEN/TC 211 "Acoustics" 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of an identical text or by endorsement, at the latest by November 2022, and conflicting national standards shall be withdrawn at the latest by November 2022.

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INTERNATIONAL STANDARD

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Acoustics — Test methods for the qualification of the acoustic environment —

Part 1: Qualification of free-field environments

*Acoustique — Méthodes d'essai pour la qualification de
l'environnement acoustique —*

Partie 1: Qualification des environnements en champ libre

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CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

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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).

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For an explanation of 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 www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 43, *Acoustics*, Subcommittee SC 1, *Noise*.

This first edition of ISO 26101-1 cancels and replaces the second edition of ISO 26101:2017, of which it constitutes a minor revision. The changes compared to the previous edition are as follows:

- The title of the document was changed from “*Acoustics — Test methods for the qualification of free-field environments*” to “*Acoustics — Test methods for the qualification of the acoustic environment — Part 1: Qualification of free-field environments*”, so that an additional part, “*ISO 26101-2, Acoustics — Test methods for the qualification of the acoustic environment — Part 2: Determination of the environmental correction*”, can be introduced.

A list of all parts in the ISO 26101 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

This document describes the divergence loss method of measurement of performance of an environment designed to provide a free sound field or free sound field over a reflecting plane. An acoustical environment is a free sound field if it has bounding surfaces that absorb all sound energies incident upon them. This is normally achieved using specialized test environments, such as anechoic or hemi-anechoic chambers. In practice, these provide a controlled free sound field for acoustical measurements in a confined space within the facility.

The purpose of this document is to promote uniformity in the method and conditions of measurement when qualifying free sound field environments.

It is expected that the qualification procedures outlined in this document will be referred to by other International Standards and industry test codes. In such cases, these documents making reference to this document may specify qualification criteria appropriate for the test method and may require specific traverse paths.

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