
Akustika - Hrup s streljš - 6. del: Meritve zvočnega tlaka v bližini vira za določanje izpostavljenosti zvoku (ISO 17201-6:2021)

Acoustics - Noise from shooting ranges - Part 6: Sound pressure measurements close to the source for determining exposure to sound (ISO 17201-6:2021)

Akustik - Geräusche von Schießplätzen - Teil 6: Schalldruckmessung im Nahbereich der Geräuschquelle zur Bestimmung der Schallexposition (ISO 17201-6:2021)

Acoustique - Bruit des stands de tir - Partie 6: Mesurages de la pression sonore près de la source pour déterminer l'exposition au son (ISO 17201-6:2021)

Ta slovenski standard je istoveten z: EN ISO 17201-6:2022

ICS:

13.140	Vpliv hrupa na ljudi	Noise with respect to human beings
17.140.20	Emisija hrupa naprav in opreme	Noise emitted by machines and equipment
95.020	Vojaštvo na splošno	Military in general
97.220.10	Športni objekti	Sports facilities

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 17201-6

May 2022

ICS 13.140; 17.140.20; 95.020; 97.220.10

English Version

Acoustics - Noise from shooting ranges - Part 6: Sound pressure measurements close to the source for determining exposure to sound (ISO 17201-6:2021)

Acoustique - Bruit des stands de tir - Partie 6:
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Schalldruckmessung im Nahbereich der
Geräuschquelle zur Bestimmung der Schallexposition
(ISO 17201-6:2021)

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European foreword

The text of ISO 17201-6:2021 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 17201-6:2022 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of an identical text or by endorsement, at the latest by November 2022, and conflicting national standards shall be withdrawn at the latest by November 2022.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

ISO
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First edition
2021-07

Acoustics — Noise from shooting ranges —

Part 6: Sound pressure measurements close to the source for determining exposure to sound

Acoustique — Bruit des stands de tir —

*Partie 6: Mesurages de la pression sonore près de la source pour
déterminer l'exposition au son*

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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

A list of all parts in the ISO 17201 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

ISO 17201-1 to ISO 17201-5 (see [Clause 2](#) and References [2] to [5]) relate to the determination or prediction of environmentally relevant sound immission at receiving locations outside shooting ranges.

There are countries, where the need exists also for knowledge about exposure to sound within a shooting range at short distances from the sound source, for instance for prediction, evaluation, assessment, control or comparison purposes.

Various methods and metrics are in use for the determination of exposure to impulsive sounds, and these can be derived from the measurement and analysis of the time history of sound pressure at the locations of interest.

Close to the muzzle blast or blast of an explosion, the measurement of sound pressure has particular features to be considered. This document can be applied to both indoor and outdoor shooting ranges that can contain different elements or usage situations. The method is applicable for locations where persons may be present at the shooting range, including the shooter and other persons (such as an instructor, supervisor, bystander or observer). The locations of interest include the position of the shooter (and posture and orientation) and the position of other persons within the shooting range.

This document defines how the time history of the sound pressure at locations of interest within a shooting range, regarding the exposure to impulsive sound of a person, can be reliably obtained.

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