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SPECIFICATION

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Acoustics — Method for measuring the influence of road surfaces on traffic noise —

Part 4: SPB method using backing board

*Acoustique — Méthode de mesurage de l'influence des revêtements de
chaussées sur le bruit émis par la circulation —*

Partie 4: Méthode SPB avec utilisation de panneau



Reference number
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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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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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An ISO/PAS or ISO/TS is reviewed after three years in order to decide whether it will be confirmed for a further three years, revised to become an International Standard, or withdrawn. If the ISO/PAS or ISO/TS is confirmed, it is reviewed again after a further three years, at which time it must either be transformed into an International Standard or be withdrawn.

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.

ISO/PAS 11819-4 was prepared by Technical Committee ISO/TC 43, *Acoustics*, Subcommittee SC 1, *Noise*.

ISO/PAS 11819 consists of the following parts, under the general title *Acoustics — Measurement of the influence of road surfaces on traffic noise*:

- *Part 1: Statistical pass-by (SPB) method*
- *Part 2: Close-proximity (CPX) method*
- *Part 3: Reference tyres* [Technical Specification]
- *Part 4: SPB method using backing board* [Publicly Available Specification]

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Introduction

ISO 11819-1 specifies a method for measuring the acoustic quality of roads called the statistical pass-by (SPB) method. Owing to severe requirements on the acoustical environment at the measurement site, the method cannot generally be used at any arbitrary location.

This part of ISO 11819 complements ISO 11819-1 for applications in situations where the test conditions cannot be met — such as when there may be a potential influence of acoustic reflections from the rear of the measurement position. However, it must be recognized that there will be a reduction in the accuracy of the results in comparison to a true free-field measurement.