

TECHNICAL ISO/TS
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First edition
2000-06-01

Mechanical vibration and shock — Vibration and shock in buildings with sensitive equipment —

Part 1: Measurement and evaluation

*Vibrations et chocs mécaniques — Vibrations et chocs dans les bâtiments
abritant des équipements sensibles —*

Partie 1: Mesurage et évaluation



Reference number
ISO/TS 10811-1:2000(E)

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Printed in Switzerland

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

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.

In other circumstances, particularly when there is an urgent market requirement for such documents, a technical committee may decide to publish other types of normative document:

- an ISO Publicly Available Specification (ISO/PAS) represents an agreement between technical experts in an ISO working group and is accepted for publication if it is approved by more than 50 % of the members of the parent committee casting a vote;
- an ISO Technical Specification (ISO/TS) represents an agreement between the members of a technical committee and is accepted for publication if it is approved by 2/3 of the members of the committee casting a vote.

An ISO/PAS or ISO/TS is reviewed every three years with a view to deciding whether it can be transformed into an International Standard.

Attention is drawn to the possibility that some of the elements of this part of ISO/TS 10811 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO/TS 10811-1 was prepared by Technical Committee ISO/TC 108, *Mechanical vibration and shock*, Subcommittee SC 2, *Measurement and evaluation of mechanical vibration and shock as applied to machines, vehicles and structures*.

ISO/TS 10811 consists of the following parts, under the general title *Mechanical vibration and shock — Vibration and shock in buildings with sensitive equipment*:

- *Part 1: Measurement and evaluation*
- *Part 2: Classification*

Annexes A and B of this part of ISO/TS 10811 are for information only.

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Introduction

This part of ISO/TS 10811 proposes a new method for specifying and evaluating the performance of buildings housing equipment which is sensitive to shock and vibration. The purpose is to encourage users and manufacturers of sensitive equipment to collect data using this method to facilitate exchange of information and assessment of the usefulness of the methodology.