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Mechanical vibration, shock and condition monitoring — Vocabulary

Vibrations et chocs mécaniques, et leur surveillance — Vocabulaire



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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 2.

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.

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 2041 was prepared by Technical Committee ISO/TC 108, *Mechanical vibration, shock and condition monitoring*.

This third edition cancels and replaces the second edition (ISO 2041:1990) which has been technically revised. This revision reflects advances in technology and refinements in terms used in the previous version. As such, it incorporates more precise definitions of some terms reflecting changes in accepted meaning. New terms which were driven by changes in technology (primarily in the areas of signal processing, condition monitoring and vibration and shock diagnostics and prognostics) and, in order to be a stand-alone standard, terms from ISO 2041:1990 still in common usage are incorporated.

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Introduction

Vocabulary is the most basic of subjects for standardization. Without an accepted standard for the definition of terminology, the development of other technical standards in a technical area becomes a laborious and time-consuming task that would ultimately result in the inefficient use of time and a high probability of misinterpretation.