

INTERNATIONAL ISO  
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First edition  
2004-10-01

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## **Mechanical vibration and shock — Performance parameters for condition monitoring of structures**

*Vibrations et chocs mécaniques — Paramètres de performance pour la  
surveillance des structures*



Reference number  
ISO 16587:2004(E)

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Published in Switzerland

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## Foreword

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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.

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 16587 was prepared by Technical Committee ISO/TC 108, *Mechanical vibration and shock*.

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## **Introduction**

This International Standard provides general guidelines for the condition monitoring of structures, using parameters typically used to measure or monitor structure performance, such as displacement, strain, vibration, settlement, rotation, temperature, and foundation pore pressure.

It has been structured to be consistent with ISO 13380 and ISO 17359 in order to facilitate a consistent approach to the condition monitoring of systems.

The information provided in this International Standard will be supplemented by ISO 18431 which will be published in several parts.