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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 32335-2015

**Mechanical vibration and shock -- Parameters to be specified
for the acquisition of vibration data**

机械振动与冲击 振动数据采集的参数规定

(English Translation)

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Foreword

This Standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This Standard uses translation method and identically adopts ISO 21289.2008

Mechanical vibration and shock - Parameters to be specified for the acquisition of vibration data.

The Chinese document which has consistency with the international normative reference in this Part is as follows.

- GB/T 2298-2010 Mechanical vibration, shock and condition monitoring - Vocabulary (ISO 2041.2009, IDT)

This Standard was proposed by shall be under the jurisdiction of National Technical Committee on Mechanical Vibration, Shock and Condition Monitoring of Standardization Administration of China (SAC/TC 53).

The drafting organizations of this Standard. Zhengzhou University, Zhengzhou Institute of Machinery, Shanghai Generator Factory of Shanghai Power Station Equipment Co., Ltd., Hangzhou ECON Technology Co., Ltd..

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Mechanical vibration and shock - Parameters to be specified for the acquisition of vibration data

1 Scope

This Standard identifies a set of parameters to be specified, as applicable, for vibration measurements, analysis, reporting and archiving. It is intended for use in the testing of structures, machines, vehicles, sensitive equipment and other dynamic systems.

This Standard applies to measurements made by modern data acquisition systems, including digital signal processors, using readily available commercial instrumentation. It can be applied to a variety of common vibration measurement types, including time history, spectrum and frequency-response function measurements.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 2041, Mechanical vibration, shock and condition monitoring - Vocabulary

ISO 18431-2, Mechanical vibration and shock - Signal processing - Part 2. Time domain windows for Fourier Transform analysis

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 2041 apply.

4 Abbreviated terms

ASCII. American standard code for information interchange

UFF. universal file format

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