

First edition
2003-08-15

AMENDMENT 1
2016-02-01

**Methods for the calibration of
vibration and shock transducers —**

**Part 21:
Vibration calibration by comparison
to a reference transducer**

AMENDMENT 1
iTeh STANDARD PREVIEW
(standards.iteh.ai)

*Méthodes pour l'étalonnage des transducteurs de vibrations et de
chocs —*

*Partie 21: Etalonnage de vibrations par comparaison à un
transducteur de référence*

AMENDEMENT 1



Reference number
ISO 16063-21:2003/Amd.1:2016(E)

© ISO 2016

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[ISO 16063-21:2003/Amd 1:2016](https://standards.iteh.ai/catalog/standards/sist/433abbd1-7095-4ae9-b476-20889c9af7a4/iso-16063-21-2003-amd-1-2016)

<https://standards.iteh.ai/catalog/standards/sist/433abbd1-7095-4ae9-b476-20889c9af7a4/iso-16063-21-2003-amd-1-2016>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2016, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/TC 108, *Mechanical vibration, shock and condition monitoring*, Subcommittee SC 3, *Use and calibration of vibration and shock measuring instruments*.

[ISO 16063-21:2003/Amd 1:2016](https://standards.iteh.ai/catalog/standards/sist/433abbd1-7095-4ae9-b476-20889c9af7a4/iso-16063-21-2003-amd-1-2016)

<https://standards.iteh.ai/catalog/standards/sist/433abbd1-7095-4ae9-b476-20889c9af7a4/iso-16063-21-2003-amd-1-2016>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[ISO 16063-21:2003/Amd 1:2016](https://standards.iteh.ai/catalog/standards/sist/433abbd1-7095-4ae9-b476-20889c9af7a4/iso-16063-21-2003-amd-1-2016)

<https://standards.iteh.ai/catalog/standards/sist/433abbd1-7095-4ae9-b476-20889c9af7a4/iso-16063-21-2003-amd-1-2016>

Methods for the calibration of vibration and shock transducers —

Part 21: Vibration calibration by comparison to a reference transducer

AMENDMENT 1

Page 29

Add the following new annex.

Annex E (informative)

Transfer standard

E.1 General

In the main part of ISO 16063-21, the concept of transfer calibration is included. The calibration and use of transfer standards are described implicitly, but the term transfer standard is not defined. Because the term transfer standard is widely used and only defined in Reference [6] as “a device used as an intermediary to compare measurement standards”, its definition in this context will be helpful for guidance.

E.2 Definition of transfer standard

Transfer standard is a device with a traceable calibration including the documented uncertainty for calibrating a reference transducer of the calibration system by comparison method, with the corresponding uncertainty documented.

Page 29

Add the following to the Bibliography.

[6] *International vocabulary of metrology — Basic and general concepts and associated terms (VIM)* 3rd edition. BIPM JGGM 200, 2012

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[ISO 16063-21:2003/Amd 1:2016](https://standards.iteh.ai/catalog/standards/sist/433abbd1-7095-4ae9-b476-20889c9af7a4/iso-16063-21-2003-amd-1-2016)
<https://standards.iteh.ai/catalog/standards/sist/433abbd1-7095-4ae9-b476-20889c9af7a4/iso-16063-21-2003-amd-1-2016>