



SLOVENSKI STANDARD
SIST EN ISO 8041:2005/AC:2008

01-december-2008

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Human response to vibration - Measuring instrumentation (ISO 8041:2005/Cor 1:2007)

Schwingungseinwirkung auf den Menschen - Messeinrichtung (ISO 8041:2005/Cor 1:2007)

iTeh **STANDARD PREVIEW**
Réponse des individus aux vibrations - Appareillage de mesure (ISO 8041:2005/Cor 1:2007)
(standards.iteh.ai)

Ta slovenski standard je istoveten z: SIST EN ISO 8041:2005/AC:2008
<http://standards.iteh.ai/catalog/standards/sist/763d65d1-d594-44dd-925a-e1dbb09c1c63/sist-en-iso-8041-2005-ac-2008>

ICS:

13.160	Vpliv vibracij in udarcev na ljudi	Vibration and shock with respect to human beings
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SIST EN ISO 8041:2005/AC:2008 en,fr,de

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SIST EN ISO 8041:2005/AC:2008

<https://standards.iteh.ai/catalog/standards/sist/763d63d1-d594-44dd-925a-e1dbb09c1c63/sist-en-iso-8041-2005-ac-2008>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 8041:2005/AC

October 2008
 Octobre 2008
 Oktober 2008

ICS 13.160

English version
 Version Française
 Deutsche Fassung

Human response to vibration - Measuring instrumentation (ISO
 8041:2005/Cor 1:2007)

Réponse des individus aux vibrations -
 Appareillage de mesure (ISO
 8041:2005/Cor 1:2007)

Schwingungseinwirkung auf den Menschen
 - Messeinrichtung (ISO 8041:2005/Cor
 1:2007)

This corrigendum becomes effective on 1 October 2008 for incorporation in the three official language versions of the EN.

Ce corrigendum prendra effet le 1 octobre 2008 pour incorporation dans les trois versions linguistiques officielles de la EN.

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Die Berichtigung tritt am 1.Oktober 2008 zur Einarbeitung in die drei offiziellen Sprachfassungen der EN in Kraft.

[SIST EN ISO 8041:2005/AC:2008](#)

<https://standards.iteh.ai/catalog/standards/sist/763d63d1-d594-44dd-925a-e1dbb09c1c63/sist-en-iso-8041-2005-ac-2008>



EUROPEAN COMMITTEE FOR STANDARDIZATION
 COMITÉ EUROPÉEN DE NORMALISATION
 EUROPÄISCHES KOMITEE FÜR NORMUNG

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EN ISO 8041:2005/AC:2008 (E)

Endorsement notice

The text of ISO 8041:2005/Cor.1:2007 has been approved by CEN as a European Corrigendum without any modification.

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**INTERNATIONAL STANDARD ISO 8041:2005
TECHNICAL CORRIGENDUM 1**

Published 2007-11-01

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Human response to vibration — Measuring instrumentation

TECHNICAL CORRIGENDUM 1

Réponse des individus aux vibrations — Appareillage de mesure

RECTIFICATIF TECHNIQUE 1

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Technical Corrigendum 1 to ISO 8041:2005 was prepared by Technical Committee ISO/TC 108, *Mechanical vibration, shock and condition monitoring*, Subcommittee SC 3, *Use and calibration of vibration and shock measuring instruments*.

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Page 26, 12.7, after Equation (15)

Add:

“NOTE The error, ε , is a relative measure, i.e. a relative error expressed as percentage.”

Page 30, 12.1.1, after Table 15

Add:

“NOTE The errors, ε , mentioned in 12.11 are relative measures, i.e. relative errors expressed as percentages.”

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Page 30, 12.11.2, paragraph 4

Replace with:

“The frequency-response error at frequency f , $\varepsilon(f)$, expressed as a percentage, is given by Equation (16):

$$\varepsilon(f) = \frac{a_{\text{ind}}(f) - a_{\text{in}}w(f)}{a_{\text{in}}w(f)} \times 100 \quad (16)$$

where $w(f)$ is the frequency-weighting factor at frequency f .”

Page 31, 12.11.3, paragraph 4

Replace with:

“The electric component of the frequency-response error at frequency f , $\varepsilon_e(f)$, expressed as a percentage, is given by Equation (19):

$$\varepsilon_e(f) = \left[a_{\text{ind}} - \frac{u_{\text{in}}(f)}{S} w(f) \right] / \left[\frac{u_{\text{in}}(f)}{S} w(f) \right] \times 100 = \left[\frac{u_{\text{in}}(f_{\text{ref}}) w(f_{\text{ref}})}{u_{\text{in}}(f) w(f)} - 1 \right] \times 100 \quad (19)$$

where

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$w(f)$ is the frequency-weighting factor at frequency f ,

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S is the sensitivity, given by Equation (20):

$$S = \frac{u_{\text{in}}(f_{\text{ref}}) w(f_{\text{ref}})}{a_{\text{ind}}} \quad \begin{matrix} \text{http://standards.iteh.ai/catalog/standards/sist/763d63d1-d594-44dd-} \\ \text{925a-e1dbb09c1c63/sist-en-iso-8041-2005-ac-2008} \end{matrix} \quad (20)$$

Page 41, 13.10.1, Note

Delete “NOTE”, insert “NOTE 1”.

Add the Note:

“NOTE 2 The errors, ε , mentioned in 13.10 are relative measures, i.e. relative errors expressed as percentages.”