INTERNATIONAL STANDARD ISO 16063-12:2002
TECHNICAL CORRIGENDUM 1

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Methods for the calibration of vibration and shock transducers —

Part 12: Primary vibration calibration by the reciprocity method

TECHNICAL CORRIGENDUM 1

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

Partie 12: Étalonnage primaire de vibrations par méthode réciproque

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to ISO 16063-12:2002 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*.

Page 17, Equation (B.21)

Insert "–" on the left hand side of Equation (B.21), so that it reads:

$$-F = \frac{u_1 y_{\mathrm{em}} z_n}{y_{\mathrm{m}} z_n + 1} \qquad \text{(B.21)}$$

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Page 17, Equation (B.22)

Insert "–" before k_{m} on the right hand side of Equation (B.22), so that it reads:

$$S_{\mathrm{v2}} = \frac{u_2}{v} = \frac{k_{\mathrm{e}}}{y_{\mathrm{em}}} + \left(\frac{k_{\mathrm{e}} y_{\mathrm{m}}}{y_{\mathrm{em}}} - k_{\mathrm{m}} \right) z_n \qquad \text{(B.22)}$$

Page 17, Equation (B.23)

Delete "+", insert "–", before $y_{\mathrm{em}} k_{\mathrm{m}}$ in the denominator on the right hand side of Equation (B.23), so that it reads:

$$Y_n = \frac{i_1}{u_2} = \frac{y_{\mathrm{e}} + (y_{\mathrm{e}} y_{\mathrm{m}} + y_{\mathrm{em}}^2) z_n}{k_{\mathrm{e}} + (k_{\mathrm{e}} y_{\mathrm{m}} - y_{\mathrm{em}} k_{\mathrm{m}}) z_n} \qquad \text{(B.23)}$$

Page 18, phrase introducing Equation (B.31)

Delete "k_{em}", insert "y_{em}", so that the phrase reads:

"Taking the ratio of β to the product of jω and α using the expressions for β and α given in equations (B.26) and (B.25), respectively, and then multiplying the result by the expression given for $k_{\mathrm{e}}/y_{\mathrm{em}}$ in equation (B.30) yields:"