



# Mechanical vibration and shock — Signal processing — Part 1: General introduction

## TECHNICAL CORRIGENDUM 1

*Vibrations et chocs mécaniques — Traitement du signal —*

*Partie 1: Introduction générale*

*RECTIFICATIF TECHNIQUE 1*

Technical Corrigendum 1 to ISO 18431-1:2005 was prepared by Technical Committee ISO/TC 108, *Mechanical vibration, shock and condition monitoring*.

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*Page 10, 7.2.3.3, Equation (9)*

Delete the existing text and insert

$$v_x = \frac{1}{N} \sum_{n=0}^{N-1} |x(n) - \bar{x}|^2 \quad (9)$$

Page 10, 7.2.3.3, Equation (10)

Delete the existing text and insert

$$v_x(n) = \frac{1}{K} \sum_{k=0}^{K-1} |x(n-k) - \overline{x(n)}|^2 \quad (10)$$

Page 10, 7.2.3.3, Equation (11)

Delete the existing text and insert

$$v_x(n) = \frac{1}{I} \sum_{i=0}^{I-1} \frac{1}{K} \sum_{k=0}^{K-1} |x_i(n-k) - \overline{x(n)}|^2 \quad (11)$$

Page 17, 7.4.3, paragraph 1

Delete "ISO 18341-3", insert "ISO 18431-3".