INTERNATIONAL STANDARD ISO 11843-2:2000
TECHNICAL CORRIGENDUM 1

Published 2007-10-15

Capability of detection —

Part 2:
Methodology in the linear calibration case

TECHNICAL CORRIGENDUM 1

Capacité de détection —

Partie 2: Méthodologie de l'étalonnage linéaire

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to ISO 11843-2:2000 was prepared by Technical Committee ISO/TC 69, *Applications of statistical methods*, Subcommittee SC 6, *Measurement methods and results.*

Page iv, Foreword

Add the following parts to the list of parts:

— *Part 3: Methodology for determination of the critical value for the response variable when no calibration data are used*

— *Part 4: Methodology for comparing the minimum detectable value with a given value*

— *Part 5: Methodology in the linear and non-linear calibration cases*

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Page 1, Normative references

Replace the references to ISO 3534-1:1993 and ISO 3534-2:1993 with the following:

ISO 3534-1, *Statistics — Vocabulary and symbols — Part 1: General statistical terms and terms used in probability*

ISO 3534-2, *Statistics — Vocabulary and symbols — Part 2: Applied statistics*

Page 4, Equation (2)

Replace $\dfrac{\sum\limits_{i=1}^{I}\sum\limits_{j-1}^{J}(x_i - \bar{x})(\bar{y}_{ij} - \bar{y})}{s_{xx}}$ with $\dfrac{\sum\limits_{i=1}^{I}\sum\limits_{j=1}^{J}(x_i - \bar{x})(\bar{y}_{ij} - \bar{y})}{s_{xx}}$.

(Replace $j - 1$ with $j = 1$.)

Page 8, Equation (20)

Replace $\hat{d}(x)$ with $\hat{d}\,x$.

Page 8, Equation (21)

Replace $T_4 = J\sum\limits_{i=1}^{I}\sum\limits_{j=l}^{J}w_i\bar{y}_{ij}$ with $T_4 = \sum\limits_{i=1}^{I}\sum\limits_{j=1}^{J}w_i\bar{y}_{ij}$.

Replace $T_5 = J\sum\limits_{i=1}^{I}\sum\limits_{j=l}^{J}w_i x_i\bar{y}_{ij}$ with $T_5 = \sum\limits_{i=1}^{I}\sum\limits_{j=1}^{J}w_i x_i\bar{y}_{ij}$.

(Remove J in front of the summation symbols and replace $j = l$ with $j = 1$.)

Page 21, Line 12 and Line 16, Clause C.1

Replace $y_c = 0{,}003\,05$ with $y_c = 0{,}002\,15$.

Page 21, Line 14 and Line 23, Clause C.1

Replace "[see equation (7)]" with "[see equation (9)]".

Page 21, Line 21, Clause C.1

Replace $y_c = 0{,}002\,30$ with $y_c = 0{,}001\,40$.