

საქართველოს სტანდარტი

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საშუალებით კვალიფიკაციის შემოწმებისათვის

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*Méthodes statistiques utilisées dans les essais d'aptitude par
comparaison interlaboratoires*



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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).

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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 69, *Applications of statistical methods*, Subcommittee SC 6, *Measurement methods and results*.

This second edition of ISO 13528 cancels and replaces the first edition (ISO 13528:2005), of which it constitutes a technical revision. This second edition provides changes to bring the document into harmony with ISO/IEC 17043:2010, which replaced ISO Guide 43-1:1997. It follows a revised structure, to describe better the process of the design, analysis, and reporting of proficiency testing schemes. It also eliminates some procedures that are no longer considered to be appropriate, and adds or revises some other sections to be consistent with ISO/IEC 17043 and to provide clarity and correct minor errors. New sections have been added for qualitative data and additional robust statistical methods.

This corrected version of ISO 13528:2015 incorporates the following corrections:

- 7.5.2.2, equation (5): " U_{char} " has been replaced with " u_{char} ";
- 9.8.2, NOTE: reference to "E.3" has been replaced with a reference to "E.4";
- 10.3.2, iv, equation (19): an "addition" sign has been added between " q_{min} " and " $(i-1)$ ";
- B.2.3, b), line before Table B.1: Reference "[33]" has been replaced with Reference "[32]";
- B.2.3, Table B.1, first row, first column: " gm " has been replaced with " g ";
- B.2.3, paragraph below Table B.1: in the first formula, " F_{2m} " has been replaced with " F_m " and subscript for "-1" has been removed; in the second formula, subscript for "-1" has been removed;
- B.2.3 b), NOTE: the equation for F_1 is now divided by " $(g-1)$ ";
- B.3, equations (B.7), (B.14) and (B.16): the terms s_x^2 and s_x have been replaced with s_x^2 and $s_{\bar{x}}$; in addition, in equation (B.16) the square root symbol has been moved outside the "max (0,)" bracket;

- B.3, equation (B.8): “ s_t^2 ” has been replaced with “ w_t^2 ”;
- C.3.1, NOTE 2, first line: “the” has been removed before “identical”;
- C.3.1, paragraph after equation (C.10), second line: the words “the modified data in” have been deleted.
- C.3.1, last note: “NOTE” has been replaced with “NOTE 3”, and Reference to “E.3 and E.4” has been replaced with a Reference to “E.1 and E.3”;

The following minor editorial corrections have been implemented for consistency throughout the document:

- 8.3.1, third bullet, last line: the first occurrence of “approved” (after “more”) has been deleted;
- 8.6.1, first line: “ σ_{pt} ” has been replaced with “ (σ_{pt}) ” (for presentation consistency);
- B.4.1.2, second bullet, second line: the word “samples” has been replaced with “proficiency testing items” (for terminological consistency)
- Annexes D and E, titles: the first letters in all words after the first one is now in lower case (for presentation consistency).