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**Petroleum and related products —  
Precision of measurement methods  
and results —**

**Part 2:  
Interpretation and application of  
precision data in relation to methods  
of test**

**AMENDMENT 1**

*Produits pétroliers et connexes — Fidélité des méthodes de mesure et  
de leurs résultats —*

*Partie 2: Application des valeurs de fidélité relatives aux méthodes  
d'essai*

**AMENDEMENT 1**



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CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Fax: +41 22 749 09 47  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
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This document was prepared by Technical Committee ISO/TC 28, *Petroleum and related products, fuels and lubricants from natural or synthetic sources*.

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# Petroleum and related products — Precision of measurement methods and results —

## Part 2:

## Interpretation and application of precision data in relation to methods of test

### AMENDMENT 1

#### 3.1

Replace the term "proficiency testing program" with "proficiency testing scheme".

#### 3.1

Replace the abbreviated term "PTP" with "PTS", and apply throughout the document, except for 6.3.4, fourth paragraph, second sentence, where "PTP schemes" shall be replaced with "PT schemes" so that it reads:

Both are able to confirm and demonstrate that the results came from laboratories that have in-house SQC programs that are in control with respect to precision and bias for testing using ISO 5164 and that they regularly participate in industry PT schemes to confirm a lack of bias versus industry averages.

#### 4.4.1, last sentence

Replace "Proficiency Testing Programs (PTP)" with "Proficiency Testing Schemes (PTS)" so that it reads:

For example, results collected through Proficiency Testing Schemes (PTS) for different test methods using the same sample can be analysed in this fashion.

#### Formula (16)

Replace " $L_i$ " with " $L_A$ " in the commentary text so that the definition of the variable  $Y_A$  reads:

$Y_A$  is the average from  $L_A$  results for property C for a material using Test Method A, where each result is a single result obtained under reproducibility conditions;

Replace "property A" with "property C" in the commentary text so that the definition of the variable  $Y_B$  reads:

$Y_B$  is the average from  $L_B$  results for property C using Test Method B on the same material tested by Test Method A, where each result is a single result obtained under reproducibility conditions;

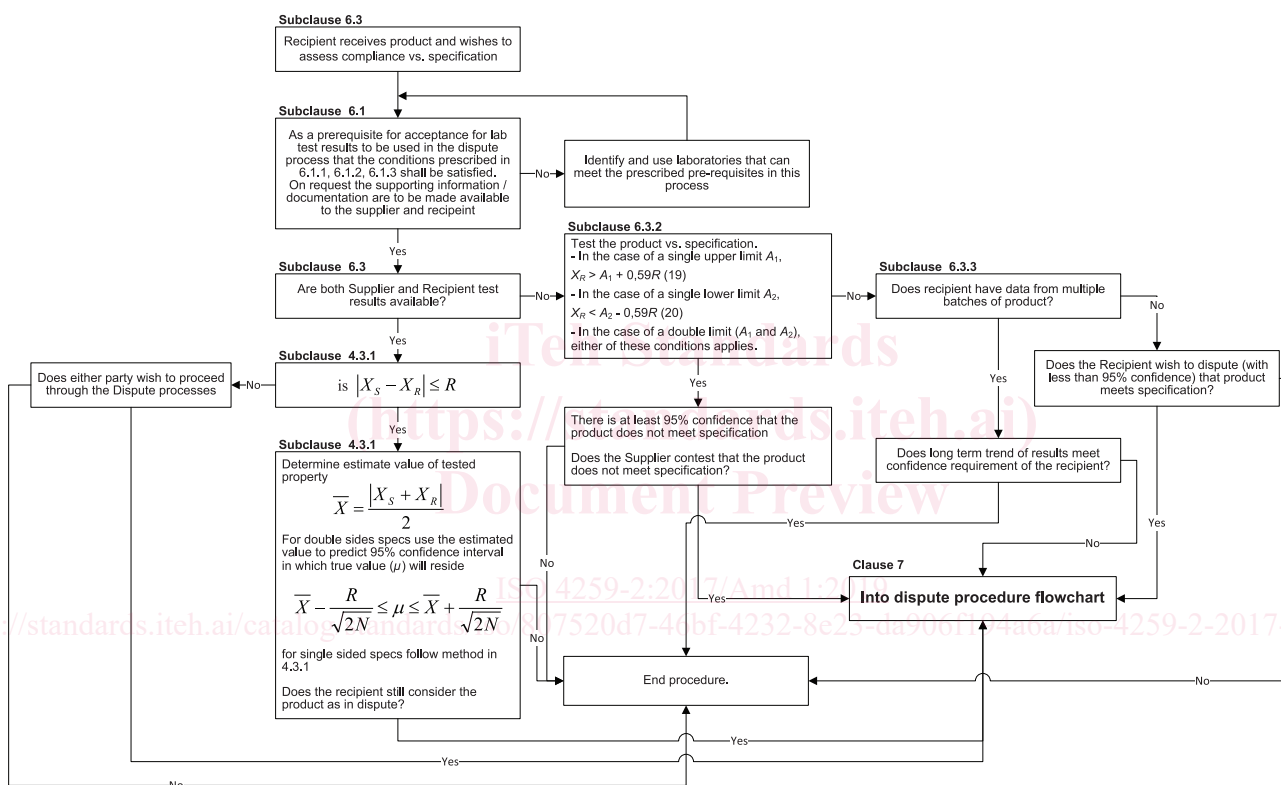
4.4.2, last paragraph

Replace "Test Method 1 and Test Method 2" with "Test Method A and Test Method B" so that it reads:

If  $Z > 2$ , it shall be concluded, with 95 % confidence, that a constant bias correction statistically improves the degree of agreement between Test Method A and Test Method B for property C for this material.

Figure 2

Replace with the following figure:



6.3.4, first paragraph, last sentence

Replace the sentence with the following:

The reproducibility of RON using this method is 0,7 RON at the EN 228 specification of 95,0 ON (octane number) and the repeatability at the same level is 0,2 ON.

6.3.4, second paragraph, second sentence

Replace the sentence with the following:

The supplier RON result is 95,1 against the specification of 95,0 and the batch is sold Free On Board (FOB).