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

**Part 1:  
Determination 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 1: Détermination des valeurs de fidélité relatives aux  
méthodes d'essai*

**AMENDEMENT 1**

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

## Part 1:

## Determination of precision data in relation to methods of test

### AMENDMENT 1

#### 5.3.1, third paragraph in total

Replace

"If the points so plotted can be considered as lying about a pair of lines parallel to the  $m$ -axis, then no transformation is necessary. If, however, the plotted points describe non-horizontal straight lines or curves of the form  $D = f_1(m)$  and  $d = f_2(m)$ , then a transformation is necessary"

with:

"Perform linear regression of  $D$  versus  $m$  and of  $d$  versus  $m$  to obtain the following linear relationship:

$$D = b_0 + b_1 \times m; d = b_0 + b_1 \times m \quad (3)$$

where

$b_0$  represents the constant term and

$b_1$  represents the slope.

In both cases, test whether the value of  $b_1$  is statistically different from zero (0) at 5 % significance level. If  $b_1$  from each regression is not statistically different from zero, no transformation is required. Proceed to section 5.3.2 directly and continue.

If, however, at least one of the values for  $b_1$  is significant, or if the plotted points are curves of the form  $D = f_1(m)$  and  $d = f_2(m)$ , then a transformation is necessary. Proceed as follows:"

*And renumber all formulae and references thereto beyond this subclause.*

#### Formula (3)

Replace

"where  $K$  is a constant"

with:

"where  $K$  is a constant".

Figure 1

Replace the Figure with the following:

