

Justering og kalibrering

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Krav til kalibreringscertifikater i DS/EN ISO/IEC 17025:2017

7.8.4.1 Ud over kravene i 7.8.2 skal kalibreringscertifikaterne indeholde følgende:

.....

d) resultaterne før og efter en justering eller reparation, hvis de forefindes [der står ikke: i samme certifikat]

Drøftelser i EA's tematiske netværk i kalibrering:

ISO 17025:2017 § 7.8.4.1 d) requires that “a calibration certificate shall include the results before and after any adjustment or repair, if available”; as ACCREDIA we require that these results be reported in the same Calibration Certificate in order to guarantee the traceability of the data and to provide complete information to the customer.

Does your AB allow to issue 2 different Calibration Certificates (although obviously one must refer to the other), one before the adjustment and the second immediately after, or as ACCREDIA do, you ask for the issue of a single one?

Indkomne svar

UKAS allow the before and after adjustment results to be issued on separate certificates. These certificates would have to make it clear that they were results for “before” and “after” adjustment respectively and would need to refer to each other.

ENAC accredited laboratories normally issue the results before and after adjustment on a single certificate. However, if one of them decided to issue the before and after adjustment results on separate certificates (one referring to the other), I believe that we could not open a non-conformity in this respect.

DAkkS did not specify further requirements on how calibration results prior and after adjustments are reported. There is no explicit demand that these calibration results are reported in a single calibration certificate.

TURKAK due to similar reasons as ACCREDIA we are expecting both results (before and after adjustment or repair) shall be reported in the same calibration certificate.

ESYD believe that by issuing different calibration Certificates (obviously one referring to the other) there is still a possibility that the traceability of the data is not ensured, and customer may not have all the information.

Krav om henvisning til justering i kalibreringscertifikater i DS/EN ISO/IEC 17025:2017

DANAK finder at et kalibreringscertifikat efter justering tydeligt altid skal anføre at justering har foregået baseret på:

7.8.2.1 Alle rapporter skal som minimum indeholde følgende oplysninger, medmindre laboratoriet har valide grunde til andet, og derved minimere muligheden for misforståelser eller misbrug:

...

g) en beskrivelse af emnet, entydig identifikation af emnet og om nødvendigt emnets tilstand

DANAK's erfaringer

- På vægtområdet har resultater før og efter justering rutinemæssigt været rapporteret til kunderne.
- På pipettekalibrering har dette ikke været traditionen.
- På termometri er justeringsproblematikken også normal for dataloggere.
- DANAK har set eksempler på justeringer af pipetter, hvor fejlvisningen før justering var 4 %.
- Normalt vil en "før kalibrering" gennemføres mere begrænset end kalibreringen "efter justering".

Spørgsmål til plenum

- Er en fejlvisning på 4 % til at leve med ved udløbet af en kalibreringsperiode (før udstyret sendes til kalibrering)?
- Hvor omfattende kan/bør/skal en kalibrering før justering være?