

## 1. Application

**1.1** This accreditation regulation applies to DANAK's accreditation of providers of Proficiency Testing in accordance with DS/EN ISO/IEC 17043 Conformity assessment – General requirements for proficiency testing.

## 2. Scope of accreditation

**2.1** For companies that are accredited to provide proficiency testing the scope of accreditation specifies which services each of the accreditations includes. The scope of accreditation appears from the decision on accreditation and is published on DANAK's homepage.

**2.2** The scope of accreditation for proficiency testing providers is limited to the areas which appear in appendix 1 and identifies

- a. The name of the specific proficiency testing program
- b. The item for proficiency testing (matrix, system or object which is circulated to the participants)
- c. Parameters, components or characteristics decided upon by the participants in the proficiency testing

**2.3** A provider of proficiency testing can be accredited to a flexible scope of accreditation. The rules for flexible scopes of accreditation appear in section 5.

**2.4** Providers of Proficiency Testing which have flexible scopes of accreditation shall maintain a public available list, which identifies the matters outlined in sections 2.2.

## 3. Requirements for accreditation to providing Proficiency Testing

**3.1** Relevant requirements in DS/EN ISO/IEC 17043:2010 and the belonging accreditation regulations shall be complied with by the provider and its sub-contractors, if any.

**3.2** The measurements which form the basis for definition of possible reference values shall, if possible, be performed as accredited testing or calibration. Alternatively, values of reference can be defined on the basis of the results from the participants' measurement.

## 4. Metrological traceability

**4.1** Providers of Proficiency Testing may as documentation for metrological traceability to SI-units use certificates from accredited calibration performed by a laboratory accredited by an accreditation body included in EA's multilateral agreement (EA's MLA) and ILAC's agreement on mutual recognition (ILAC's MRA) within calibration. Likewise, providers of Proficiency Testing may use certificates from calibration performed by a national metrology institute included in CIPM's MRA for the service in question.

**4.2** If internal calibrations are performed to provide metrological traceability, the provider shall fulfil the same requirements to the calibrations, as if they were performed by an external accredited calibration laboratory.

## 5. Flexible Scopes of Accreditation for Providers of Proficiency Testing

**5.1** The flexible scope of accreditation is limited to the areas, cf. appendix 1, which appear in the decision on accreditation and includes the following kinds of flexibility:

- Flexibility with regard to test type (matrix, system or object)
- Flexibility regarding parameters, component or characteristics for matrix, system or object

**5.2** The procedures and documentation of the provider of proficiency testing for the flexible scope of accreditation shall as a minimum include descriptions of:

- Authorisation and area of responsibility for personnel covering all activities within the flexible scope of accreditation including the competences/specialist expertise that the provider of proficiency testing has access to, cf. DS ISO/IEC 17043:2010 section 4.4.1.4. There is an obligation to provide information to DANAK if any changes to this are made.
- Cooperating with clients with a particular focus on requested proficiency tests, which have not formerly been performed under accreditation.
- Handling of non-conformity if it is concluded that a proficiency test does not meet the requirements for accreditation. Including information about consequences to clients,

**5.3** The provider of proficiency tests with flexible scopes of accreditation shall maintain registration of which members of staff that are authorised by the management to be responsible for the planning of proficiency testing, which are developed within the flexible scope of accreditation. These members of staff are viewed as key persons and are comprised by DANAK's requirement of providing information about accession as well as resignation etc. The competence of these members of staff is assessed by DANAK i.e. through interviews and evaluation of CV.

**5.4** The persons responsible for developing and changing proficiency testing shall have documented experience within the relevant field and have competence to be able to:

- evaluate the need for and secure inclusion of relevant specific technical knowledge (e.g. counselling team, cf. DS ISO/IEC 17043:2010 section 4.4.1.4):
- secure that requirements for completion of proficiency testing, reporting thereof and communication with the participants is done in accordance with the requirements in DS/EN ISO/IEC 17043:2010

**5.5** The internal audit and management evaluation shall include processes and methods, which are changed under the flexible scope of accreditation.

## 6. DANAK's Assessment

**6.1** If the provider is part of an accredited laboratory DANAK's surveillance and reassessment visits will as far as possible be conducted in connection with surveillance and reassessment of the provider's other accreditation.

## 7. References

Section 2.2-2.4: DS/EN ISO/IEC 17011 section 7.8.3

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Section 3.1: DE/EN ISO/IEC 17043

Section 3.2: DANAK

Section 4: ILAC P10

Section 5: DS/EN ISO/IEC 17011 section 7.8.4

Section 6: DANAK

This Accreditation regulation comes into force on 16 September 2019. Any differences between the Danish and the English version of this document are not intended, but in case of doubt with respect to the correctness the version in Danish should be consulted.

**APPENDICES**

Appendix 1: Fields of Proficiency Testing

## Appendix 1

**Fields for proficiency testing**

For proficiency testing within calibration, the following fields are applied:

Kalibreringsområde (Danish)	Field of Calibration (English)
Acceleration og hastighed	Accelerometry, velocity and displacement
Akustik og ultralyd	Acoustics and ultrasonic
Kemisk	Chemical
Densitet og viskositet	Density and viscosity
Geometri	Dimensional
Elektricitet DC og LF	Electricity DC and LF
Elektricitet HF	Electricity HF
Flow	Flow
Kraft og moment	Force and torque
Hårdhed	Hardness
Fugt	Humidity
Ioniserende stråling	Ionising radiation
Magnetisme	Magnetism
Masse	Mass
Optik	Optical
Tryk og vakuum	Pressure and vacuum
Referencemateriale	Reference material
Temperatur	Temperature
Tid og frekvens	Time and frequency
Volumen	Volume

For proficiency testing within testing, the following fields are applied:

Prøvningsområde (Danish)	Field of Testing (English)
Akustisk prøvning	Acoustics
Biologisk og biokemisk prøvning	Biological and biochemical testing
Kemisk prøvning	Chemical testing
Klinisk prøvning	Clinical testing
Elektrisk og elektronisk prøvning	Electrical and electronical testing
Klimatisk prøvning	Environmental engineering testing
EMC prøvning	EMC testing
Brandteknisk prøvning	Fire testing
Forensisk prøvning	Forensic testing
Fysisk og mekanisk prøvning	Physical and mechanical testing
Mikrobiologisk prøvning	Microbiological testing
Ikke destruktiv prøvning	Non-destructive testing

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Ioniserende stråling og radiokemi	Ionising radiation and radiochemistry
Prøvetagning	Sampling
Sensorisk prøvning	Sensory testing

For proficiency testing within medical examination, the following fields are applied:

Diagnostiske Specialer (Danish)	Diagnostic Specialties (English)
Biokemi*	Biochemistry*
Mikrobiologi	Microbiology
Immunologi	Immunology
Patologi	Pathology
Billeddiagnostik	Medical imaging
Fysiologi og nuklearmedicin	Physiology and Nuclear Medicine
Genetik	Genetics
Farmakologi	Pharmacology

\* Including haematology