



radonova
The global leader in radon measurement

**TO WHICH EXTENT
DO WE NEED
A RADON
MEASUREMENT
SERVICE
ACCREDITED
ACCORDING
TO ISO 17025?**

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Presentation Outline

THE IMPORTANCE OF STANDARIZATION

01

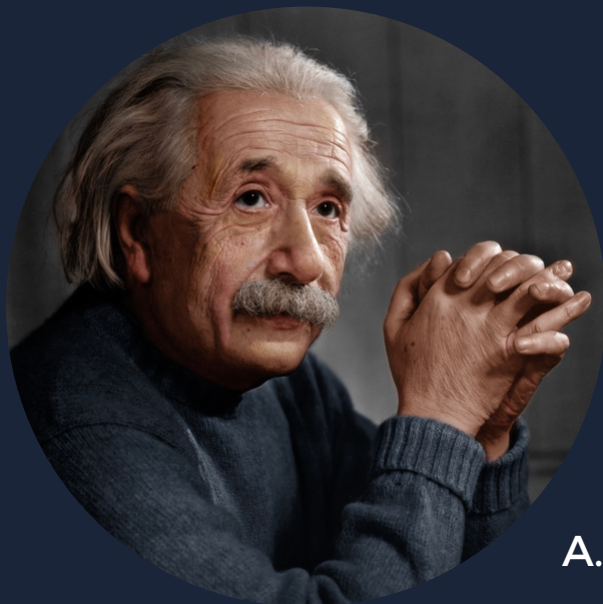
STANDARDS

02

ACCREDITATION

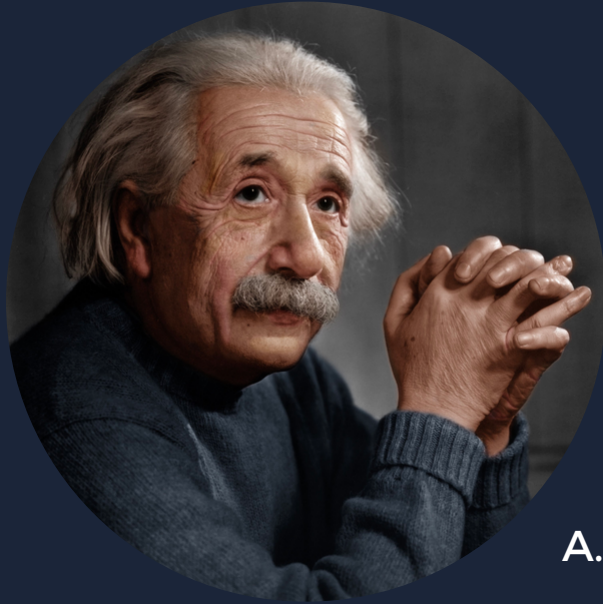
03

APPLICATIONS



A. Einstein

“Insanity is doing the same thing over and over and
expecting different results”



A. Einstein

“Insanity is doing the same thing over and over and
expecting different results”

When we follow the controlled and well-designed
procedures... we can expect the same results.

This is the power of the standarization.



PART 1

ISO 17025



The ISO 17025 standard is an internationally recognized set of requirements and guidelines for **testing** and **calibration** laboratories.

It ensures that:

- laboratories operate competently,
- generate valid results.



ISO 17043 specifies general requirements for the development, operation, and competence of providers of **proficiency testing** schemes.



Compliance with ISO 17025 standards helps improve the quality, efficiency.

Compliance
with ISO
17025



Compliance with ISO 17025 standards helps improve the quality, efficiency.

accreditation

Compliance
with ISO
17025



PART 2

ACCREDITATION

ISO 17025 ACCREDITATION

Why do we need it?

ISO 17025 ACCREDITATION

Why do we need it?

- Competent staff



ISO 17025 ACCREDITATION

Why do we need it?

- Competent staff
- Necessary equipment and facilities



ISO 17025 ACCREDITATION

Why do we need it?

- Competent staff
- Necessary equipment and facilities
- **Calibration**
- Tests using validated procedures



ISO 17025 ACCREDITATION

Why do we need it?

- Competent staff
- Necessary equipment and facilities
- Calibration
- Tests using validated procedures
- STRICT QUALITY CONTROL





PROCEDURES

following **the same**
rules

VALIDATION

APPROVEMENT



PROCEDURES

following **the same**
rules

VALIDATION

ensure the quality

APPROVEMENT



PART 3

IMPLEMENTATIONS




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testing and calibration laboratories

 Standards [About us](#) [News](#) [Taking part](#) [Store](#)

[← ICS](#) [← 17](#) [← 17.240](#)

ISO 11665-4:2021

Measurement of radioactivity in the environment —
Air: radon-222 — Part 4: Integrated measurement
method for determining average activity
concentration using passive sampling and delayed
analysis



ISO/IEC 17043 specifies general requirements for the development, operation, and competence of providers of **proficiency testing schemes**.

ISO Standards About us News Taking part Store Search

← ICS ← 03 ← 03.120 ← 03.120.20

ISO/IEC 17043:2023

Conformity assessment — General requirements for the competence of proficiency testing providers



ISO/IEC 17043 specifies general requirements for the development, operation, and competence of providers of **proficiency testing schemes**.

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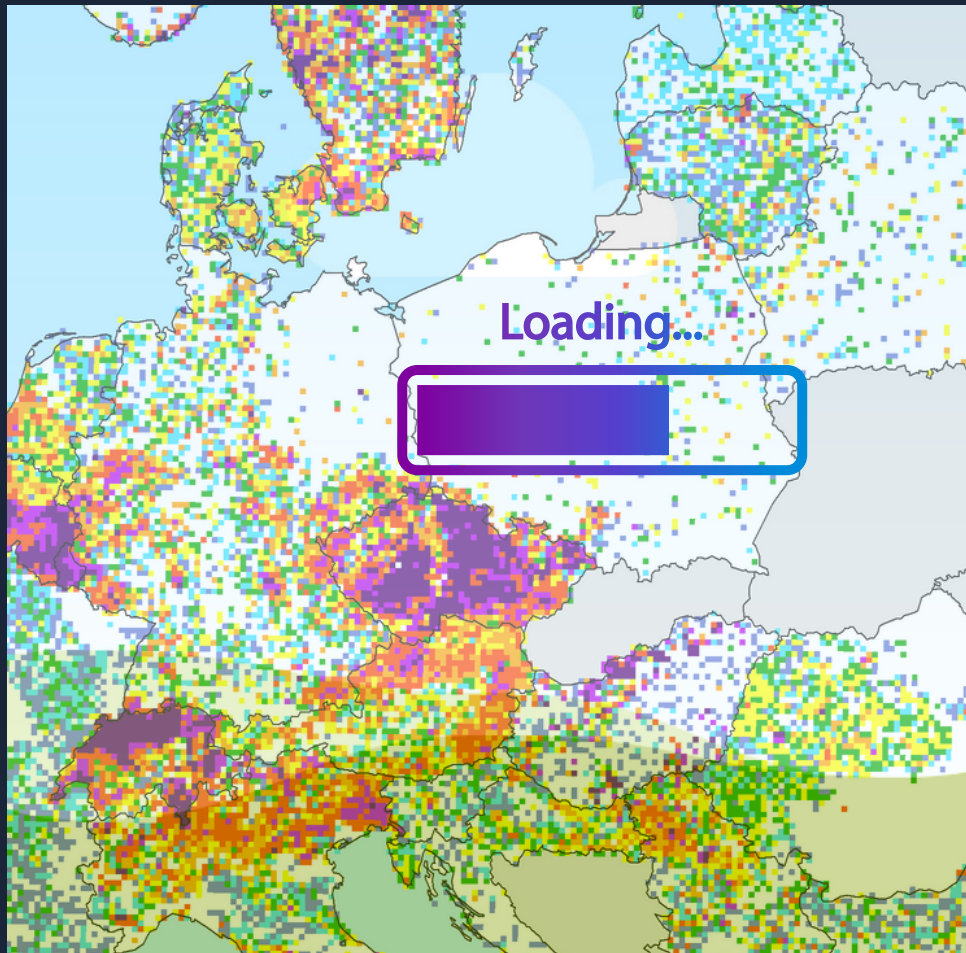
← ICS ← 03 ← 03.120 ← 03.120.20

ISO/IEC 17043:2023

Conformity assessment — General requirements for the competence of proficiency testing providers

Germany
Italy
...
Sweden, TBC

Radon Action Plan



Radon Action Plan eg. PL

- identification of buildings with the radon concentration above 300 Bq/m³ (one of the specific goals in RAP)
- radon survey (>32k measurements 12.2023)
- measurements performed by the accredited lab

Radon Action Plan



- radon measurement providers
- measurements at workplaces
- under the decision of MS

eg. in Poland - the period when accreditation is not required is 5 years (2024) - approval from regulatory body is sufficient



Summary

- quality (control) matters
- it is important to understand the value of value

THANK YOU FOR YOUR ATTENTION

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