

ISO TC85 WG 17

Title of Committee

**“Radioactivity
measurement”**

Standards under preparation by WG17

1. ISO 18589

Radioactivity in the environment: soil parts 1-6

Parts 1-3 published earlier

4 Measurement of plutonium isotopes (plutonium 238-plutonium 239+240) by alpha spectrometry.

5 Measurement of strontium 90

6 Measurement of gross alpha and gross beta activities

All parts of this standard are now published

ISO 11929

**Determination of the characteristic limits
(decision threshold, detection limit, and
limits of the confidence interval) for
ionising radiation-fundamentals and
applications**

**This standard will go out for FDIS voting early
next month (June 2009) and should be
published early in 2010.**

1 ISO 7503

Measurement of radioactivity- Evaluation of surface contamination:

2 ISO 8769

Reference sources for the calibration of surface contamination Monitors Alpha, beta and photon emitters.

3 ISO 11665

Measurement of radioactivity in the environment –Air: Radon 222

ISO 8769 Reference sources for the calibration of surface contamination monitors alpha, beta and photon emitters

Contents

- 1. Introduction**
- 2. Scope**
- 3. References**
- 4. Definitions**
- 5. Traceability of Reference sources**
- 6. Specification of Standard Sources**
- 7. Transfer Instruments**

Annexes

Particular consideration for reference sources emitting electrons of energy less than 0.15 MeV and photons of energy less than 1.5 MeV

This standard has now gone for DIS voting by National Committees the result should be available in July 2009

4 ISO 11665 Measurement of radioactivity in the environment-Air

Part 1: Radon-222 and its short-lived decay products in the atmospheric environment : their origins and measurement methods

Part 2: Radon-222: Integrated measurement methods for the determination of the average potential alpha energy concentration of short-lived radon decay products in the atmospheric environment.

Part 3: Radon-222: Spot measurement methods of the potential alpha energy concentration of short-lived radon decay products in the atmospheric environment.

Part 4: Radon-222: Integrated measurement methods for the determination of the average radon activity concentration in the atmospheric environment using passive sampling and delayed analysis.

Part 5: Radon-222: Continuous measurement methods of radon activity concentration in the atmospheric environment.

Part 6: Radon-222: Methods for estimation of surface exhalation rate by accumulation method in the environment.

Part 7: Radon-222: Spot measurement methods of radon activity concentration in the atmospheric environment.

Part 8: Radon-222 in buildings: Methodologies for screening and additional investigations.

Part 9: Radon-222 "Determination method of the rate of Radon exhalation of dense building materials."