SCOPE OF SC2

SC 2 develops standards to protect people (workers, patients, members of the public) and the environment against all sources of ionizing radiations in planned, existing or emergency exposure situations linked to nuclear activities, medical activities, industrial activities, research activities and natural radiation sources (radon, cosmic radiation).

NEW WG 25 Radiation monitoring of the population and responders in nuclear/radiological emergencies (set up in May 2018 – 1st meeting in May 2019 in Okayama, Japan)

- Scope of the WG: To develop international standards covering the major technical areas related to radiological monitoring and dose assessment of the population and responders in nuclear or radiological emergency situations. Processes supporting the monitoring and dose assessment (e.g. organization of screening center, triage of population, decontamination, communication issues) will be covered as appropriate.

STANDARDS (new or revised) published since the last November 2018 RASSC meeting

- ISO 4037-2 (2nd edition) January 2019 Radiological protection - X and gamma reference radiation for calibrating dosemeters and doserate meters and for determining their response as a function of photon energy - Part 2: Dosimetry for radiation protection over the energy ranges from 8 keV to 1,3 MeV and 4 MeV to 9 MeV
- ISO 4037-3 (2nd edition) January 2019 Radiological protection - X and gamma reference radiation for calibrating dosemeters and doserate meters and for determining their response as a function of photon energy - Part 3: Calibration of area and personal dosemeters and the measurement of their response as a function of energy and angle of incidence
- ISO 11929-2 (2nd edition) Determination of the characteristic limits (decision threshold, detection limit and limits of the coverage interval) for measurements of ionizing radiation - Fundamentals and application - Part 2: Advanced applications
ISO 11929-3 (2nd edition) Determination of the characteristic limits (decision threshold, detection limit and limits of the coverage interval) for measurements of ionizing radiation - Fundamentals and application - Part 3: Applications to unfolding methods

ISO 20046 (1st edition) March 2019 Radiological protection - Performance criteria for laboratories using fluorescence in Situ Hybridization (FISH) translocation assay for assessment of overexposure to ionizing radiation

ISO 15080 May 2019 Nuclear facilities - Ventilation penetrations for shielded enclosures - Amendment 1


PUBLICATIONS EXPECTED SOON

ISO 16638-2 (1st edition) Radiological Protection - Monitoring and internal dosimetry for specific materials - Part 2: Ingestion of uranium compounds

ISO 28057 (1st edition) Clinical dosimetry — Dosimetry with solid thermoluminescence detectors for photon and electron radiations in radiotherapy

RECENTLY APPROVED NEW WORK ITEMS

ISO 20956 Low dose rate calibration of instruments for environmental monitoring

ISO 23588 Radiological protection - General requirements for performance testing for in vivo monitoring

ISO 20041-1 Tritium and carbon 14 activity in gaseous effluents and gas discharges – Part 1: Sampling

ISO 23547 Reference sources - Calibration of gamma-ray spectrometers - Photon emitters

ISO 23557 Calibration, quality assurance and use of radionuclides calibrators in nuclear medicine

ISO 16659-1 Ventilation systems for nuclear installations - In-situ efficiency test methods for iodine traps with solid sorbent - Part 1: General requirements

NEXT PLENARY MEETING OF ISO/TC 85/SC 2

The next annual meeting of SC 2 will be held in China in May 2020 (25-29) or June 2020 (1-5).

Further information may be found on http://www.iso.org/iso/home/store/catalogue_tc/home/store/catalogue_tc/home/store/catalogue_tc/home/store/catalogue_tc/home/store/catalogue_tc/home/store/catalogue_tc/home/store/catalogue_tc/home/catalogue_tc_browse.htm?commid=50280&published=on&development=on or asked to Mrs. Laurence THOMAS, laurence.thomas@afnor.org