

## Jahresbericht 2022

# TK 45, Nukleare Instrumentierung

Vorsitz: Dr. David Farruggio, Däniken  
Sekretariat CES: Kurt Würmli, Fehraltorf

Das TK 45 hat am 8. November des Berichtsjahrs seine Sitzung abgehalten (die nächste Sitzung ist für den 16. November 2023 geplant). Schwerpunkte waren die Behandlung diverser Arbeitsdokumente.

Es wurden an der Sitzung 9 Dokumente behandelt und dazu Beschlüsse gefasst. Im ganzen Jahr wurden total 105 Dokumente verteilt, daraus wurden 33 Abstimmungen und 4 Kommentare eingereicht.

Im Berichtsjahr wurden folgende Standards publiziert:

- SN EN IEC/IEEE 62582-6:2021 “Nuclear power plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods - Part 6: Insulation resistance”
- SN EN IEC 62484:2021 “Radiation protection instrumentation - Spectrometric radiation portal monitors (SRPMs) used for the detection and identification of illicit trafficking of radioactive material”
- SN EN IEC 63121:2021 “Radiation protection instrumentation - Vehicle-mounted mobile systems for the detection of illicit trafficking of radioactive materials”
- SN EN IEC 60987:2021 “Nuclear power plants - Instrumentation and control important to safety - Hardware requirements”
- SN EN IEC 63047:2021 “Nuclear instrumentation - Data format for list mode digital data acquisition used in radiation detection and measurement”
- SN EN IEC 60987:2021 “Nuclear power plants - Instrumentation and control important to safety - Hardware requirements”
- SN EN IEC 62484:2021 “Radiation protection instrumentation - Spectrometric radiation portal monitors (SRPMs) used for the detection and identification of illicit trafficking of radioactive material”

- SN EN IEC 61226:2021 “Nuclear power plants - Instrumentation, control and electrical power systems important to safety - Categorization of functions and classification of systems”
- SN EN IEC 61031:2022 “Nuclear facilities - Instrumentation and control systems - Design, location and application criteria for installed area gamma radiation dose rate monitoring equipment for use during normal operation and anticipated operational occurrences”
- SN EN IEC 62988:2022 “Nuclear power plants - Instrumentation and control systems important to safety - Selection and use of wireless devices”
- IEC 60910:2022 “Nuclear power plants - Instrumentation important to safety - Containment monitoring for early detection of developing deviations from normal operation in light water reactors”
- IEC 60951-3:2022 “Nuclear facilities - Instrumentation systems important to safety - Radiation monitoring for accident and post-accident conditions - Part 3: Equipment for continuous high range area gamma monitoring”
- IEC 60951-1:2022 “Nuclear facilities - Instrumentation systems important to safety - Radiation monitoring for accident and post-accident conditions - Part 1: General requirements”
- IEC 62397:2022 “Nuclear power plants - Instrumentation and control important to safety - Resistance temperature detectors”
- IEC 62618:2022 “Radiation protection instrumentation - Spectroscopy-based alarming personal radiation detectors (SPRD) for the detection of illicit trafficking of radioactive material”
- IEC 62694:2022 “Radiation protection instrumentation - Backpack-type radiation detector (BRD) for the detection of illicit trafficking of radioactive material”
- IEC 62705:2022 “Nuclear facilities - Instrumentation and control important to safety - Radiation monitoring systems (RMS): Characteristics and lifecycle”

Dank der zweckmässigen Unterstützung des CES konnte die Anzahl der Sitzungen auf einer pro Jahr gehalten werden, ohne negativen Einfluss auf die Qualität der Arbeit! Auch in diesem Jahr möchte ich mich im Namen des Komitees bei unserem Sekretär, Herrn Kurt Würmli, für seine wertvolle Arbeit bedanken.

(D. F.)