

Jahresbericht 2021

TK 45, Nukleare Instrumentierung

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

Das TK 45 hat am 11. November des Berichtsjahrs 1 Sitzung abgehalten (die nächste Sitzung ist für den 8. November 2022 geplant). Schwerpunkte waren die Behandlung diverser Arbeitsdokumente.

Es wurden an der Sitzung 8 Dokumente behandelt und Beschlüsse verfasst. Im ganzen Jahr wurden total 112 Dokumente verteilt, davon wurden 49 Abstimmungen und 11 Kommentare eingereicht.

Im Berichtsjahr wurden folgende Standards publiziert:

- SN EN IEC 62566-2:2020 "Nuclear power plants - Instrumentation and control systems important to safety - Development of HDL-programmed integrated circuits - Part 2: HDL-programmed integrated circuits for systems performing category B or C functions"
- IEC/TR 63335:2021 "Nuclear power plants - Instrumentation and control systems, control rooms and electrical power systems - Specific features of small modular reactors and needs regarding standards"
- IEC 60987:2021 "Nuclear power plants - Instrumentation and control important to safety - Hardware requirements"
- IEC 62372:2021 "Nuclear instrumentation - Housed scintillators - Test methods of light output and intrinsic resolution"
- IEC 62859:2016/A1:2019 "Amendment 1 - Nuclear power plants - Instrumentation and control systems - Requirements for coordinating safety and cybersecurity"
- SN EN IEC 61563:2021
"Radiation protection instrumentation - Equipment for measuring specific activity of gamma-emitting radionuclides in foodstuffs"
- IEC/IEEE 63113:2021 "Nuclear facilities - Instrumentation important to safety - Spent fuel pool instrumentation"
- SN EN IEC 62244:2021 "Radiation protection instrumentation - Installed radiation portal monitors (RPMs) for the detection of illicit trafficking of radioactive and nuclear materials"

- SN EN IEC 63047:2021 "Nuclear instrumentation - Data format for list mode digital data acquisition used in radiation detection and measurement"
- SN EN IEC 63046:2021 - CLC/TC 45AX "Nuclear power plants - Electrical power system - General requirements"
- IEC 63085:2021 "Radiation protection instrumentation - System of spectral identification of liquids in transparent and semitransparent containers (Raman systems)"
- IEC 61452:2021 "Nuclear instrumentation - Measurement of activity or emission rate of gamma-ray emitting radionuclides - Calibration and use of germanium-based spectrometers"
- IEC 63186:2021 "Nuclear power plants - Instrumentation and control systems important to safety - Criteria for seismic trip system"
- IEC/TR 63400:2021 "Nuclear facilities - Instrumentation, control and electrical power systems important to safety - Structure of the IEC SC 45A standards series"
- 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 62855:2021 "Nuclear power plants - Electrical power systems - Electrical power systems analysis"
- SN EN IEC 62954:2021 "Nuclear power plants - Control rooms - Requirements for emergency response facilities"

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.)