

Jahresbericht 2018

TK 20, Elektrische Kabel

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Das TK 20 traf sich im Berichtszeitraum zu zwei Sitzungen um Normenentwürfe und –revisionen zu behandeln. Ergänzt wurde dies durch ausserordentliche Sitzungen einzelner Expertenteams zur Bearbeitung ausgewählter Normen. Darüber hinaus fand eine rege E-Mail-Kommunikation statt. Es wurden im Jahr 2018 folgende Normen im Schweizer TK20 behandelt:

- HD 361 S4: System for cable designation
- HD 604 S2: 0,6/1 kV power cables with special fire performance for use in power stations and similar installations
- HD 605 S3: Electric cables - Additional test methods
- HD 629-1 S3: Test requirements on accessories for use on power cables of rated voltage from 3,6/6(7,2) kV up to 20,8/36(42) kV - Part 1: Cables with extruded insulation
- EN 50305: Railway applications - Railway rolling stock cables having special fire performance
- EN 50306: Railway applications - Railway rolling stock cables having special fire performance - Thin wall
- EN 50397-1: Covered conductors for overhead lines and the related accessories for rated voltages above 1 kV AC and not exceeding 36 kV AC
- EN 50620: Electric cables - Charging cables for electric vehicles
- IEC//EN 60230: Impulse tests on cables and their accessories
- IEC 60331-1 Ed.2.0: Tests for electric cables under fire conditions - Circuit integrity - Parts 1 - 3
- IEC 60332-3: Tests on electric and optical fibre cables under fire conditions – Parts 10, 21 - 25
- IEC 60754: Test on gases evolved during combustion of materials from cables – Parts 1 and 2
- IEC 60811: Electric and optical fibre cables - Test methods for non-metallic materials – Part 501: Tests for determining the mechanical properties of insulating and sheathing
- IEC 60840: Power cables with extruded insulation and their accessories for rated voltages above 30 kV ($U_m = 36$ kV) up to 150 kV ($U_m = 170$ kV) - Test methods and requirements

- IEC 61034: Measurement of smoke density of cables burning under defined conditions – Parts 1 and 2
- IEC 61238-1: Compression and mechanical connectors for power cables - Parts 1-3:
- IEC 62125: Environmental considerations specific to insulated electrical power and control cables
- IEC 62893: Charging cables for electric vehicles - Part 4-1: Cables for DC charging according to mode 4 of IEC 61851-1
- IEC 63026: Submarine power cables with extruded insulation and their accessories for rated voltages from 6 kV ($U_m = 7,2$ kV) up to 60 kV ($U_m = 72,5$ kV)
- IEC 63075: Superconducting AC power cables and their accessories for rated voltages from 6 kV to 500 kV

Im Laufe des Berichtszeitraums 2018 hat sich das TK20 an der Abstimmung und Kommentierung zu 37 verschiedenen Dokumenten beteiligt.

(A.A.)