

IEC US National Committee TC17

TC 17 – High Voltage Switchgear and Controlgear

To prepare standards, technical specifications and technical reports covering high-voltage switchgear and controlgear as well as their assemblies having a rated voltage above 1 kV a.c. and 1,5 kV d.c., together with associated control digital communication, measuring, signaling, protective, regulating and other equipment.

SC17A – Switching Devices

To prepare international standards, technical specifications and technical reports related to switching devices having a rated voltage above 1 kV a.c and/or above 1,5 kV d.c.

SC17C – Assemblies

Assemblies may include associated control, digital communication, measuring, signaling, protective, regulating and other equipment. Gas insulated transmission lines and interfaces with cables, overhead lines, power transformers etc. are also part of the scope of SC 17C.

TC 17 Standards of Interest to Switchgear Committee

• IEEE C37.60 / IEC 62271-111 – Reclosers	(In Revision) Stability 2027
• IEC/IEEE 62271-37-013 – Generator Circuit Breakers Needs to be adopted by ANSI as an international standard	Edition 2.0: 2021 Stability 2028
• IEC/IEEE 62277-37-082 – Measurement of Sound Pressure Levels Needs to be adopted by ANSI as an international standard	IEEE I/W IEC 2012 Stability 2030
• IEC 62271-100 – High Voltage Circuit Breakers	Amd 2 In Process Stability 2028
• IEC 62271-101 – Synthetic Testing of HV Circuit Breakers	Revised 2021, Stability 2028
• IEC 62271-106 – AC Contactors, Controllers & Motor Starters (e.g. UL 347) Searching for new Convenor. Likely be candidate from Germany	Revised 2021, Stability 2029
• IEC TR 62271-302 – AC CB with Intentional Non-Simultaneous Poles	Revised 2010, Stability 2024
• IEC TR 62271-306 – Application Guide for HVCB's & Switchgear	2018, Stability 2028
• IEC TS 62271-316 – AC CB Intended for Controlled Switching	2024, Stability (TBD)
• IEC 62271-200 – Metal Enclosed Switchgear (Includes MV GIS)	Revised 2021 Stability 2031
• IEC 62271-203 – Gas Insulated Switchgear > 52 kV	Revised 2022 Stability 2030
• IEC 62271-1 – Common Specifications for AC Switchgear & Controlgear	Revised 2017 Stability 2028
• IEC TS62271-5 – Common Specifications for DC Switchgear & Controlgear	Published 2024 Stability 2027
• IEC TS 62271-320 – Environmental Life Cycle Assessment Rules	New Document in Publication

TC 17 Plenary Meeting 17 – 21 November, 2024 Paris France, Next meeting in November 2026 (skipping 2025 IEC Plenary in New Delhi)

Class A Liason between IEEE Switchgear and TC17

Official vote not published but informal information is that it was approved.