

Report from CIGRE A3 to IEEE Switchgear Committee 10/05/2006

Study Committee A3 had a full day session at the Biannual CIGRE meeting in Paris 31 August 2006. 76 prepared contributions were presented. The annual SC meeting was held 1 September 2006.

SC A3 has 9 active working groups, and one active task force.
Of these 8 groups have direct relevance to Switchgear:

Designation	Title	Convener
WG A3.06	Reliability of HV Equipment (failure survey)	Carl Einar Solver (S)
WG A3.11	Application guide for IEC 62271-100	Heinz Schram (D) complete
WG A3.12	Circuit Breaker Controls	Harley Wilson (US) complete
WG A3.13	Changing Network Conditions	Anton Jansen (NL)
WG A3.15	Non Conventional Instrument Transformers	Pier Tantin (FR)
WG A3.16	Fault Current Limiters	Heino Schmidt (D)
WG A3.17	Surge Arresters	Bernard Richter (D)
WG A3.18	Grading Capacitors	Magne Runde (N)
WG A3.19	3 phase line fault TRVs	Roy Alexander (US)
WG A3.20	Simulations to replace/extend testing	Martin Kriegl (CH)
WG A3.21 proposed	Interaction of Nonceramic housings for HV components and the components	Michele DeNigris (IT)
TF A3.01	Statistical Analysis on HV Circuit Breakers in service	Rene Smeets (NL)

The application guide for IEC 62271-100 is complete to be published “soon”

3 phase line fault TRV, report being written . If CB applied above 75% of its short circuit rating consult manufacturer for 3 phase line fault capability.

I will be working on description of a WG for Power Capacitors covering internal bank transient voltages involved with switching, and element failure.

A Colloquium and Study Committee A3 Meeting is scheduled for September 10-14 2007 in Rio de Janeiro Brazil. [A3.* WG meetings 10,11 September; Colloquium 12,13 September, SCA3 meeting 14 September] Paper Abstracts due 20 October 2006.

Any questions? Please contact me.

Respectfully submitted

Roy Alexander
USA rep to CIGRE Study Committee A3 “Electrical Equipment”