

CIGRE SC A3 Report to  
IEEE Switchgear Committee  
11 May 2006 Galveston TX

Switchgear relevant work of CIGRE Study Committee A3 “Electrical Equipment”

Reliability of electrical Equipment survey continues with an interim report expected 10/2007 (See Bill Bergman for Details)

A3.16 Excessive failure of Grading Capacitors: trying to determine root causes and fundamental physics.

A3.19 Implications of 3 Phase line fault TRVs on Circuit Breaker Standards

Meeting to be Held this afternoon 1:30 Spinnaker room. All Switchgear meeting attendees invited. Results expected by 12/2006 with report and tutorial to follow.

Synopsis: first peak of 3 phase line fault TRV can be about 1.5 x the present single phase standard value with 80% of the slope. (“d” factor of 2.4) This is mostly a concern for applications where source short circuit is above 80% of rating.

A3.20 replacement of Testing by simulation (see Xi Zhu (secretary) for details.

Basic idea is to determine where it is appropriate to supplement or even replace testing by simulations.

New WG A3.21 Interaction of Polymeric housings with equipment. To study how the polymeric housing influences the equipment and vice versa. WG just beginning.

CIGRE is encouraging new members.

Check [www.CIGRE.org](http://www.CIGRE.org) for info

Grace & Peace

Roy Alexander

USA Regular Member of CIGRE Study Committee A3 (Electrical Equipment)