Minutes of meeting **27. sept. 2010**

WG: C37.010 Circuit breaker application Guide
Chair: Helmut Heiermeier
Location Las Vegas

Participants: 30 members
16 guests

The chair started the meeting with the presentation of the status of the document and already identified possible work tems.

The chair pointed out that no approved PAR exists right now. He will go to submit a PAR soon

A discussion took place to identify additional work/improvements on the document:

All the examples should be checked whether they are still appropriate since some of the examples used are quite old → update examples where necessary

The chapter about switching surges when closing capacitive loads is not actual anymore. It should be moved into the Annex and a "link" to the Annex should be inserted

Further information on asymmetric currents with regards to different time constants and the recalculation for other currents should be added. Possibly some information's from IEC PT50(application guide of IEC 62271-1 and -100) could be used.

Some comments on the first proposal for new wording have been received from the Plenum:

Proposal for cap switching:
C0 is not defined in C37.012
The word phase factor should be changed to cap. switching factor

Proposal for inductive current switching:
The word restrike should be changed to reignition
The CB does not create overvoltages → the created overvoltages is a system behavior with regard to chopping nr. or reignition behavior
The comment that the overvoltages are not critical for the CB need to be more specific
The word system need to be changed to reactor

Anne Bosma will prepare a chapter about controlled switching prior to the next meeting

Helmut Heiermeier will update the chapter about asymmetrical current switching

The chapter 5.2 Voltage range factor need to be updated with keeping the reference to IEEE c37.09

The chapter about Oil and magnetic breaker should be moved to the Annex

A chapter about transformer limited fault need to be added
The chapter 5.4.3.3.2 with regard to overloading/thermal time constant need to be updated. A small taskforce should be formed to take care about.

No generator circuit breaker should be taken into account since this is not in the scope

Next steps:
Apply for the PAR
Work on the mentioned topics
Form a taskforce for the topic “overloading” (members please let me know your participance)

Appendix:
Power point presentation shown during the meeting
Attendance list