

Common Clause Capacitance Switching C37.100.2 TF IEEE/PES Switchgear ADSCOM Committee September 2009 Denver MEETING MINUTES

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Minutes:

- ❑ Reviewed patent slides
- ❑ Reviewed and approved Asheville minutes.
- ❑ General review and discussion about Capacitance Switching and this committee
- ❑ Brief discussion of scope and reason
- ❑ Good discussion of comparison tables contrasting C37.04, .06, .09a, .66, .016 and IEEE 1247. Heavy emphasis on Single Phase Test Voltages.
- ❑ Brief review of proposed document changes
- ❑ There were 14 attendees to the meeting, 6 are members
- ❑ Decided to finally write a PAR and move forward. Ran out of time to discuss this.
- ❑ John Webb volunteered to be the Secretary, thank goodness, and he will help to fill out the PAR once we have settled on the wording.

Scope of this task force:

This standard applies to single or three-pole alternating current switching devices for rated maximum voltage above 1000 volts for use in switching capacitive circuits.

The scope is limited to capacitance switching not short circuit fault interrupting or any other duties.

Reason for the document:

To provide a common clause document that will minimize any unnecessary differences between capacitor switching requirements.

Reference documents:

- ❑ High Voltage Circuit Breaker C37.04, .04a, C37.06 & C37.09a.
- ❑ Capacitor Switches C.37.66
- ❑ Interrupter Switches IEEE 1247
- ❑ Circuit Switcher C37.016

- ❑ At this time this task force will not evaluate the IEC documents 60694 and 62271-100 since C37.09a has harmonized with these documents.

Action plan for the task force:

- ❑ Comparison tables have been created for reference in comparing the standards. These will be expanded as necessary during the project to assist in the tasks.
- ❑ The chairman will create a working document. Process:
 - Write a letter that will probably become an annex explaining what is going on.

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- Start with C37.09a as a foundation. This document has been completed and harmonized with IEC so it is rather difficult to change.
- Get an editable Word version of C37.09a, from IEEE so that it is in the draft document is in the correct format with respect to the style manual. We have C37.66 and IEEE 1247 in Word already.
- Add any required definitions that are not already in C37.100
- Fold the combined language into C37.09a.
- For shunt capacitor switching we will allow two choices of how to achieve ratings for a device. One method is the method used in C37.09a where a few hundred shots at specified arc times with a particular specified restriking criteria and the other is to have about 1200 random shots with a statistically similar restriking criteria.
- Plan for the next meeting is to review the combined document.

We ran out of time to discuss the wording of the PAR, Scope, Reason and Title, so we will have to do this by e-mail.

Additions not minutes:

We need more time at the next meeting

Proposed title:

IEEE Standard Test Procedure for AC Capacitance Current Switching of High-Voltage Circuit Breaking and Making Devices over 1000V Rated on a Symmetrical Current Basis

This document is going to need a number C37.100.2

Minutes from the ADSCOM Meeting:

We again have approval to submit for a PAR

We are to ask for number C37.100.2

Wait till 2010 to apply for PAR to get one more year.