

Common Clause Capacitance Switching C37.100.1 TF
IEEE/PES Switchgear ADSCOM Committee
May 2009 Asheville
MEETING MINUTES

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Minutes:

- Reviewed patent slides
- General review and discussion about Capacitance Switching
- Discussion of comparison tables contrasting C37.04, .06, .09a, .66, .016 and IEEE 1247
- Discussion of scope and action plan
- Brief review of proposed document changes
- There were nine attendees to the meeting
- Decided to request permission from ADSCOM to write a PAR and move forward.

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 to get this project moving. Process:
 - 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, C37.66 and IEEE 1247 if possible from IEEE so that it is in the draft document is in the correct format with respect to the style manual.

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- Work to combine the capacitor switching standards of C37.66 and 1247. When studied closely these two standards have a lot in common for shunt capacitor switching. Both require about 1000 shots and both have 3 levels of restrike ratings.
- Add the 1247 non simultaneous switching duties to the document
- Add ratings tables from the various documents
- 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 restrike criteria and the other is to have about 1200 random shots with a statistically similar restrike criteria.
- Plan for the next meeting is to review the combined document.