

PC37.63 WG Automatic Line Sectionalizers

May 1, 2012 – St. Pete, FL

The Working Group for the revision of C37.63-2005 held its 3rd meeting on May 1, 2012. An additional meeting session was conducted May 2nd. The agenda was reviewed, approved, and followed by introductions. There were 14 members and 7 guests present for the meeting. See Annex A for attendance list.

Dave Stone reminded the group about the IEEE patent policy and guidelines for the conduct of meetings. The agenda for the meeting was displayed, summarized, and approved.

Topics Discussed:

Dave Stone reviewed the results of the first ballot and proposed responses to comments he was able to easily address. Craig Befus and Larry Putnam had previously reviewed Dave's proposed responses and they agreed to all but one clause, 8.4 Tightness Test. The working group addressed about half of the open comments during the two sessions.

While addressing comments about load switching capability on May 2nd, Dave presented a change to Table 4, Test Requirements for Sectionalizers, which would allow fault-making capability to be optional for sectionalizers with load switching capability. Due to concerns with relaxing the standard, Craig Befus made a motion to remove this change and require all tests per 7.106.2 a) through e) for sectionalizers with load switching capability. The motion was seconded by Larry Putnam; discussion followed and then was put to a vote to members of the working group. Motion failed (actual vote count was not recorded). At the conclusion of this part of the discussion, table 4 stood as shown in Annex B with further changes/clarifications to be proposed by Stone and Swank. *(Note: this issue will have further discussion at the Fall 2012 meeting due to safety implications for users.)*

The following members took away specific assignments as follows:

1. Chris Lettow and Jim Swank: Ice loading test, comment #8
2. Doug Fitchett: Discuss comment #19 with submitter.
3. Gary Haynes: Proposal for comment #20 definition of sectionalizer
4. Craig Befus: Discuss comment # 25 with submitter.
5. Ed Jankowich and Dave Stone: Resolve comment 35 with respect to clause 5.
6. Dave Stone: Discuss comments #'s 43 & 44 with submitter.
7. Frank DeCesaro: Review and make proposal on comment #54 on clause 6.1
8. Steve Meiners (or Chris Ambrose?) & Tim Royster: Develop proposal for comment #66 on lifting lug.

9. D. Stone and J. Swank: Prepare revised proposal for operating duty test.

The Chair expressed his desire to carry out a recirculation ballot before the next meeting in order to narrow the scope of work at that meeting.

The second session adjourned at 3:30 PM.

Craig Befus and David T. Stone

Working Group Co-Chairs, C37.63

May 16, 2012

Annex A: Attendance: IEEE C37.63 WG Meeting Oct, 2011

X = present at meeting

Role	First Name	Last Name	Company	05/01/2011
Chair	David	Stone	DTS Technical Services	X
Co-Chair	Craig	Befus	BC Hydro	X
Member	Robert	Smith	Eaton Corporation	X
Member	Frank	DeCesaro	Cooper Power Systems	X
Member	Edward	Jankowich	Jankowich Consulting LLC	X
Member	James	Swank	Cooper Power Systems	X
Member	Timothy	Royster	Dominion Virginia Power	X
Member	Francois	Soulard	Hydro-Quebec	X
Member	Jan	Zawadzki	Powertech	X
Member	Chris	Ambrose	Federal Pacific	X
Member	Larry	Putman	Powell Electrical Systems Inc.	X
Member	Nenad	Uzelac	G&W Electric	X
Member	Leslie	Falkingham	Vacuum Interrupters Limited	X
Member	Gary	Haynes	ABB Inc.	X
Member	Antone	Bonner	Cooper Power Systems	X
Member	Chris	Lettow	S&C Electric Company	X
Member	Gilbert	Carmona	Southern California Edison	X
Member	Sachin	Puranik	Hubbell Power Systems	X
Member	Donald	Parker	Alabama Power Company	Absent
Member	Eldridge	Byron	Schneider Electric	Absent
Corres Member	Robert	Behl	ABB	X
Corres Member	Mietek	Glinkowski	ABB Inc.	Absent
Guest	Donald	Martin	G&W Electric Co.	X
Guest	Albert	Livshitz	Schneider Electric Services	X
Guest	Peter	Glaesman	Reuel, Inc.	X
Guest	Harold	Hirz	Thomas and Betts	X

Annex B: Table 4 Following mtg Discussion

Clause No.	Type of Test	Summary of Test (see appropriate test specifications for details of each test)	Exceptions or conditions
7.1	General	General Conditions for test	
7.2	Dielectric	Insulation (dielectric) test	
7.4	Resistance	Measurement of the resistance of circuits	
7.5	Temperature rise	Temperature rise test	
7.6	Short time and Peak withstand	Short time withstand current and peak withstand current tests	
7.8	Tightness	Tightness test	No tests required for air-filled devices at zero gauge pressure
7.11	X-Radiation	X-Radiation procedure for vacuum interrupters	For all devices using vacuum interrupters
7.101	Switching	Switching tests	Required only if a switching rating is assigned ^a
7.102	Fault-making and momentary	Fault-making and momentary (peak withstand) current tests	Required only if fault-making rating is assigned, see 7.102.1
7.104	Mechanical	Mechanical duty and cold temperature tests	
7.105	Partial Discharge	Partial discharge tests	Required only if the device uses a non-restoring dielectric as the primary insulation.
7.106	Operating duty	Operating duty tests	
7.106.2 (a)	Operating duty tests for Load interrupting sectionalizers	20 automatic lockout operations at rated maximum voltage	
7.106.2 (b)		80 automatic lockout operations with low voltage source	
7.106.2 (c)		50 non-automatic operations at rated maximum voltage	
7.106.2 (d)		One non-automatic closing operations at 90% to 100% asymmetry and rated maximum voltage	Test (d) required only when fault close rating is assigned by the manufacturer, see 5.102
7.106.2 (e)		One non-automatic opening operation at rated maximum voltage and rated (load current switching) interrupting current	
7.106.3 (a)	Operating duty test for Non load interrupting sectionalizers	20 automatic lockout operations as in 7.106.2 a) (rated max voltage)	
7.106.3 (b)		80 automatic lockout operations as in 7.106.2 b) (low voltage)	
7.106.3 (b)		One closing operation (non automatic) as in 7.106.2 d) above.	Test (b) required only when fault close rating is assigned by the manufacturer, see 5.102
7.107	Surge current	Surge current test – Series coil sectionalizers	Required only for series coil sectionalizers
7.108	Control Elements surge withstand	Control elements surge withstand capability tests	Not required for devices where the control elements are fully isolated from ground (earth).
7.109	Minimum actuating	Minimum actuating current tests	
^a Switching ratings include any of the ratings in 5 i), j), k) or l).			