

Chair: David Stone

Meeting Minutes

1. Call to order and introduction:

The Working Group for the revision of IEC 62271-111/IEEE C37.60-2012 ed. 2 held its 8th meeting on September 22, 2015 in San Diego, California, USA in conjunction with the IEEE Switchgear meetings. Convener David Stone opened the meeting at 8:00 AM.

2. Roster Check:

Introductions were made. Attendance included 19 members of the Dual Logo Maintenance Team (DLMT) and 11 guests. 17 members of the DLMT were absent or excused. Refer to the attendance list at the end of this report.

Mr. Brian Lester of the Australian Standards Organization was removed from the membership as expert appointed by the Australian National Committee. His original appointment was in error.

3. Previous Meeting Minutes

The agenda was reviewed and approved without change. The meeting minutes of the C37.60 St. Pete meeting held in April 2015 were approved with one addition – mention of the discussion of the possible addition of Clauses 8-12. After review of the minutes as distributed after the April meeting, the Chairman has concluded that the topic was indeed adequately covering and that no revision is needed.

4. Meeting Highlights

- **Documents available on IEEE website:** All documents from the DLMT will be posted on the IEEE web site. Members may contact the Convener for the log-in ID and password.
- **Actions since last meeting were summarized:**
 - Results of the 2nd IEEE ballot that closed on August 22, 2015:
 - 88 members in the ballot group
 - 85 votes received (96% return)
 - 76 affirmative votes (92 % affirmative)
 - 6 negative votes
 - 65 comments: 39 editorial, 22 technical, 4 general
 - Results of the 2nd CD for IEC 62271-111 that closed on August 28, 2015:
 - 10 of 29 P-members submitted comments (“P” are the voting members)
 - 285 comments
 - Chairman Stone had given preliminary disposition to about 80% of the comments; ~64 left open for DLMT review
 - IEC comments due back to SC17A secretary by Sept 25, 2015 in order to allow the requisite 2 months advanced review by the National Committees before the December 1-4, 2015 plenary meeting in Sweden.

- A decision to proceed to IEC CDV vote is expected at the plenary meeting.
- The balance of the meeting was devoted to discussion and resolution of the open comments.
- Review of IEEE comments – key discussion points
 - Comment #54, 58 and others: Several comments relate to security of control enclosures exposed to access by the public including cables. In view of the decision to delete reference to the C57.12 series that address pad mount security, there are gaps that the present subclause 5.14 do not cover.
ACTION ITEM: A task group led by Paul Found will prepare a proposal for review by the DLMT.
 - Comment # 8: A definition and discussion of hot line tag is outside the scope of this standard.
 - Comment # 63: Table 8 will be revised to include values up to 1250 A
 - Comment # 60: X-radiation – decision deferred pending further study and action by the USNC TAG.
- Review of IEC comments – key discussion points
 - Comment # 33: A new subclause 4.xx will be added to cover ice breaking rating.
 - Comment 34 & 35: The term “preferred” will be retained so as not to have the table closed to special ratings. Labs report no problem dealing with this.
 - Comment # 66 (5.3): Specifications for ground connector will be reviewed. Similar comment received in C37.100.1 ballot. A connecting point to accept a #4 cable is adequate for all but a few special applications and covers most user practices.
 - Comment #67: Reject, there are not known accepted symbols for stored energy “charged” and “discharged” states.
 - Comment # 117: Regarding neutral grounding of cable/line charging test circuits. Expect to accept comment – Test labs to review.
ACTION ITEM: Harm Bannink and Tom Stefanski to review and comment on comments 118 - 125.
 - Comment # 169: Proposed to allow test to be performed with random opening but add more operations to acceptance criteria. More severe test for manufacturer, but greatly simplifies test procedure.
ACTION ITEM: D. Stone to review with CANC.
 - Comment #210: Reject, proposal would violate the recloser philosophy to perform all type tests exercising the entire recloser system as applicable.
- Follow up actions:
 - The few comments that were not covered in the meeting will be resolved by correspondence.
ACTION ITEM: All DLMT members are asked to review all comment dispositions and bring any further observations or objections to the attention of the Chairman. Absent any member objections, the dispositions will be considered as accepted.
 - Chairman will begin preparing a new draft.

5. Next meeting:

Week of 25 April 2016; Hilton Head, South Carolina USA

6. Meeting was adjourned at 12:00 noon.

Submitted by:

David T. Stone
Working Group Chairperson, C37.60 and Convener for IEC MT47
Reclosers and Other Distribution Switchgear Subcommittee

October 3, 2015

Annex A: Meeting Attendance September 22, 2015

X = present at meeting

Role	First Name	Last Name	Company	Country	9/22/2015
Chair	David	Stone	DTS Technical Services	USA	X
Member	Chris	Ambrose	Federal Pacific	USA	X
Member	Herman	Bannink	KEMA Netherlands	Netherlands	X
Member	Robert	Behl	ABB	USA	X
Member	Jean-Marc	Biasse	Schneider Electric	France	X
Member	Antone	Bonner	Eaton	USA	X
Member	Eldridge	Byron	Schneider Electric	USA	
Member	David	Dart	NOJAPower	Australia	Excused
Member	Frank	DeCesaro	Eaton's Cooper Power Systems	USA	X
Member	Edgar	Dullni	ABB	Germany	X
Member	Leslie	Falkingham	Vacuum Interrupters Limited	UK	Excused
Member	Mark	Feltis	Schweitzer Engineering Labs, Inc	USA	Excused
Member	Paul	Found	BC Hydro	Canada	X
Member	Jeffrey	Gieger	Thomas & Betts	USA	X
Member	William	Glennon	Schweitzer Engineering Labs	USA	
Member	Christian	Heinrich	Siemens AG	Germany	Excused
Member	Harold	Hirz	Thomas and Betts	USA	X
Member	Edward	Jankowich	Representing ABB/T&B	USA	X
Member	Stephen	Lane	FKI Switchgear	UK	
Member	Chris	Lettow	S&C Electric Company	USA	X
Member	Wangpei	Li	Eaton	USA	X
Member	Sachin	Puranik	Hubbell Power Systems	USA	
Member	Larry	Putman	Powell Electrical Systems Inc.	USA	
Member	Timothy	Royster	Dominion Virginia Power	USA	X
Member	Christian	Sasse	Tavrida Electric North America Inc	Canada	
Member	Robert	Smith	Eaton Corporation	USA	X

Member	Francois	Soulard	Hydro-Quebec	Canada	X
Member	Tom	Stefanski	Powertech Labs Inc	Canada	X
Member	Nenad	Uzelac	G&W Electric	USA	X
Member	William	Walter	We-Energies	USA	Excused
Member	Subir	Chakraborty	Schneider Electric	France	
Member	Tony	Headley	UK	UK	
Member	Zhengli	Kou	China	China	
Corres Member	Lawrence	Farr	Eaton Electrical	USA	
Corres Member	Ian	Rokser	Eaton Corp	USA	Excused
Corres Member	Andy	Seccombe	Schneider Electric	Australia	Excused
Corres Member	James	Swank	Cooper Power Systems	USA	Excused
Guest	Peter	Agliata	Hubbell Power Systems	USA	X
Guest	Anil	Dhawan	ComEd	USA	X
Guest	William	Ernst	Thomas & Betts	USA	X
Guest	Peter	Glaesman	Reuel, Inc.	USA	X
Guest	Travis	Johnson	Xcel Energy	USA	X
Guest	Brendan	Kirkpatrick	Southern California Edison	USA	X
Guest	Donald	Martin	G&W Electric Co.	USA	X
Guest	James	Ruebensam	S&C Electric Co.	USA	X
Guest	James	Stacy	Schneider Electric	USA	X
Guest	Kyle	Stromberg	G&W Electric Company	USA	X
Guest	Karla	Trost	G&W Electric	USA	X