

# **IEC SC17A MT47/IEEE WG C37.60/IEC 62271-111 Automatic Circuit Recloser Standard**

## **October 11, 2011 – Nashville, TN**

---

### **Introductions**

The Working Group for the revision of C37.60-2003 held its 14th meeting on October 11, 2011 in Nashville, Tennessee, Florida USA.

The Chair displayed and reviewed the IEEE patent policy and guidelines for the conduct of meetings. Participants were given the opportunity to identify potential patent issues with the standard under consideration - none were identified.

The agenda was reviewed and approved followed by introductions.

The Chair recognized guest J. Haasz and E. Spiewak, IEEE Staff members. Attendance included 23 members of the Dual Logo Maintenance Team and 11 guests. Eight members of the DLMT were absent or excused. Refer to Annex A for the attendance list.

Minutes of the previous meeting were not discussed since they had been approved by correspondence.

### **Dual Logo Maintenance Team (DLMT) Timeline**

The only major milestone for the project is the final ballot, final draft for international standard (FDIS) by IED and a concurrent recirculation ballot by IEEE. Chairman Stone will present the comment observations and resolutions to IEC SC17A in Melbourne, Australia on October 20, 2011 at which time approval for the FDIS is expected.

If approved, these ballots are expected to be completed by February 2012.

### **Documents available on IEEE web site**

All documents from the WG are posted on the IEEE web site. The Chairman updates the list as required. The Web address, ID and password have been given to all Working Group members. Contact the Chair if you need help.

### **Partial Discharge data project**

Mr. Uzelac gave a brief presentation of partial discharge data collected and analyzed by KEMA. This was an update that provided an analysis of the methods and conditions of test used by the various manufacturers. Mr. Uzelac's presentation will be posted to the team's web site.

## **Review results of IEEE ballot**

The 2<sup>nd</sup> recirculation ballot in IEEE and the CDV ballot in IEC were summarized as reported in the May meeting. Both ballot passed, although the IEC CDV ballot by only one vote.

## **IEC and IEEE procedures going forward**

The Chairman again noted that according to IEC practice, once the CDV vote is approved, substantive changes to the document are discouraged. However, due to the many technical comments that were not accepted by the DLMT in May and the close vote on the CDV, the Chairman indicated that several comments should be revisited to see if the team should modify its position. The draft of the presentation that the Chair had prepared for the Melbourne meeting was used to review and discuss eight comments from the IEC CDV.

Note: The final draft of the presentation (as delivered in Melbourne) will be posted to the web site.

## **Discussion of Comments**

1. Scope change regarding dependent manual operation: The WG agreed to change the statement previously approved in the May 2011 meeting as follows:

Change new wording in Scope from:

“Devices that require dependent manual closing are not covered by this standard”, to  
“Devices that require dependent manual operation are not covered by this standard”

2. Subclause 5.3 - Ground provision: The WG agreed to change the 2 s withstand duration for the ground provision to a value of 150% of  $t_k$  recognizing that the preferred value of  $t_k$  is 0.5 s.

3. Subclause 5.7 - Independent manual operation: The WG agreed to change the 2<sup>nd</sup> sentence for surface operation of submersible reclosers to an informative note that user must specify this requirement if desired.

4. Subclause 6.2.8 - Artificial pollution tests for outdoor insulators: The WG agreed to adopt sub-clause 6.2.8 of IEC 62271-1. This sub-clause is not covered in IEEE C37.100.1 therefore implementation will require bringing the text into the document. A modification should be recognized for existing designs with substantial and satisfactory service experience.

5. Environmental testing - The WG agreed that mechanical testing at high and low temperatures should be added but will require a Task Team to develop a proposal. N. Uzelac, C. Lettow, A. Bonner, C. Sasse and B. Behl agreed to perform this work.

## **Next Meeting and Adjournment**

Since the IEC FDIS ballot and 2<sup>nd</sup> recirculation ballot in IEEE will mark the final step in the project, another meeting may not be required.

The meeting was adjourned at 12:00 noon.

REPORT of Working Group for the Revision of  
Automatic Circuit Recloser Standard, IEC 62271-111/IEEE C37.60

.  
David T. Stone  
Working Group Chairperson, C37.60 and  
Convenor for IEC MT47  
Reclosers and Other Distribution Switchgear Subcommittee  
October 27, 2011

REPORT of Working Group for the Revision of  
Automatic Circuit Recloser Standard, IEC 62271-111/IEEE C37.60

**Annex A: Attendance: IEC MT47/IEEE C37.60 WG Meeting Oct, 2011**  
**X = present at meeting**

Role	First Name	Last Name	Company	10/11/2011
Chair	Robert	Behl	ABB	X
Chair	David	Stone	DTS Technical Services	X
Member	Chris	Ambrose	Federal Pacific	X
Member	Headley	Anthony	UK	Absent
Member	Herman	Bannink	KEMA Netherlands	Excused
Member	Craig	Befus	BC Hydro	X
Member	Antone	Bonner	Cooper Power Systems	X
Member	Frank	DeCesaro	Cooper Power Systems	Excused
Member	Leslie	Falkingham	Vacuum Interrupters Limited	X
Member	Lawrence	Farr	Eaton Electrical	X
Member	Jeffrey	Gieger	Thomas & Betts	X
Member	Peter	Glaesman	Reuel, Inc.	X
Member	Christian	Heinrich	Siemens AG	X
Member	Harold	Hirz	Thomas and Betts	Excused
Member	Edward	Jankowich	Jankowich Consulting LLC	X
Member	Stephen	Lane	FKI Switchgear	Excused
Member	Chris	Lettow	S&C Electric Company	X
Member	Steven	Meiners	GE	Excused
Member	Donald	Parker	Alabama Power Company	X
Member	Sachin	Puranik	Hubbell Power Systems	Excused
Member	Larry	Putman	Powell Electrical Systems Inc.	X
Member	Timothy	Royster	Dominion Virginia Power	X
Member	Christian	Sasse	Tavrida Electric North America Inc	X
Member	Robert	Smith	Eaton Corporation	X
Member	Francois	Soulard	Hydro-Quebec	X
Member	James	Swank	Cooper Power Systems	X
Member	Tim	Taylor	Thomas & Betts	X
Member	Nenad	Uzelac	G&W Electric	X
Member	Jan	Zawadzki	Powertech	X
Member	Kou	Zhengli	China	Absent
Corresp Member	Jerry	Baskin	Federal Pacific	X
Corresp Member	Glenn	Borchardt	S&C Electric	
Corresp Member	Michael	Ennis	S&C Electric Company	
Corresp Member	Marcel	Fortin	BPR Energy Inc	
Guest	Larry	Davis	Reuel Inc	X
Guest	Francisco	De La Rosa	Zenergy Power, Inc.	X
Guest	Douglas	Fitchett	American Electric Power Co	X
Guest	Jodi	Haasz	IEEE	X
Guest	Reid	Herzog	OG&E	X
Guest	Donald	Martin	G&W Electric Co.	X
Guest	Frank	Muench	Cooper Power Systems	X
Guest	Kevin	Phelps	Nashville Electric Service	X
Guest	Erin	Spiewak	IEEE	X
Guest	Robert	Traska	Trinetics/Maysteel	X
Guest	William	Walter	We-Energies	X