

IEEE Power Engineering Society  
Switchgear Committee  
C37.20.7 Working Group Report  
April 29, 2002

The working group met on April 29, 2002. Chairman M. Wactor called the meeting to order at 1:30PM. 5 WG members and 13 guests were present.

The document has been approved by IEEE-SA and is presently posted for public comments by ANSI, with comments due by June 18, 2002. Following the public comment period, the document will be submitted to the ANSI standards board for approval. Separately, the document has been subjected to editorial review (in England). No technical changes will result from the editorial review, but grammar will be improved.

Therefore, this is the final meeting of the formal C37.20.7 working group.

The working group now considered Mr. Swindler's earlier suggestion that we develop an application guide dealing with means to deal with internal arcing faults. Mr. Swindler's premise is that the use of arc resistant equipment may not be sufficient to deal with all of the effects associated with internal arcing. Further, other measures can be implemented to address the effects of internal arcing. There are other effects of internal arcing that are not dealt with in the C37.20.7 document, such as sound levels, emission of arcing by-products, forces imposed on the room, etc. The guide could also deal more intensively with protective measures and alternatives. Some of these were dealt with in the technical paper created as an adjunct to the C37.20.7 WG activities, and presented at the IEEE PES 2002 T&D Conference ("Strategies for Mitigating Internal Arc Faults in Medium-Voltage Metal-Enclosed Switchgear").

It was agreed that a task force be formed to consider the issues, and to develop a proposal for a PAR. This would be considered at the next meeting, in the Fall of 2002, and then finalized for submittal to IEEE-SA. The task force will consist of:

C. Ball	D. Lemmerman	R. Sunkara
D. Elliott	T. McNamara	M. Wactor
P. Dwyer	D. Mazumdar	J. Wisnewski
D. Giraud	T. Olsen	

The balance of the meeting was devoted to discussion of the scope and topics appropriate for the application guide. Mr. Wactor will distribute several references to the members of the task force for consideration.

It was proposed that the application guide be restricted to consideration of application of equipment tested for arc resistance capability. Thus, the document will not address measures to deal with internal arcing that might be appropriate for use with existing installations of non-arc resistant equipment.

Generally, the group agreed that the document should be an informative annex to C37.20.7, which could be proposed, balloted, and adopted independently of the existing C37.20.7 document. Then, when revision activity occurs on C37.20.7, the annex could be incorporated directly into the main document. If this approach is used, the document would initially be designated as "C37.20.7a, supplement to C37.20.7". Later, the "C37.20.7a" designation would disappear.

The meeting adjourned at 3:28PM.

Report submitted by: M. Wactor  
WG Chair