

IEEE Power Engineering Society  
Switchgear Committee  
C37.20.7a Task Force Report  
“Guide for Application of Equipment Qualified as Medium-Voltage Metal-Enclosed Arc Resistant Switchgear”  
September 30, 2002

The task force met on September 30, 2002. Chairman M. Wactor called the meeting to order at 1:30PM. 10 task force members and 12 guests were present.

The chair reminded the group of the discussion at meeting in Spring, 2002, which is summarized below:

The application guide will be restricted to consideration of application of equipment tested for arc resistance capability. 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.

The document will be a supplement to C37.20.7, so that it can be balloted and adopted independently of the existing C37.20.7 document. Later, when C37.20.7 is revised, the supplement could be incorporated directly into the main document C37.20.7. The document will be designated as “C37.20.7a (supplement to C37.20.7)”.

C. Ball moved that the effort to create a guide for application of equipment qualified as medium-voltage metal-enclosed arc resistant switchgear should continue. The motion passed unanimously.

Draft D1 (17-Sept-2002) had been distributed earlier to several members of the task force, and copies were distributed in the meeting.

Discussion next moved to consideration of the appropriate title. N. McQuin moved that the title be as on D1, and there were no objections. It was discussed that NesCom may require that the title be amended to include an indication of voltage, e.g., “rated above 1000V up to 38kV”.

The scope was reviewed, and suggestions for revision made. The chair will crystallize the suggestions and circulate a revised scope for comment.

The clauses of the existing draft (D1) were discussed. The following persons volunteered to review and suggest revisions to clauses as follows:

Clause	Responsible	Subject
Intro	T. Olsen	Introduction
1.1	M. Wactor	Scope
1.2	M. Wactor	Purpose
1.3	P. Dwyer	Consequences of Internal Arc Faults
2.0	M. Wactor	References
3.0	M. Wactor	Definitions, Qualifying Terms, Common or related terms
4.0	M. Wactor	General conditions
5.1	P. Dwyer	Applications, general
5.2	P. Dwyer	Applications, strategy
5.3	C. Ball J. Wisnewski T. McNamara	Applications, physical considerations

Clause	Responsible	Subject
5.4	T. Olsen R. Puckett D. Elliott N. McQuin	Applications, electrical considerations

All those interested in offering commentary on these topics are requested to discuss their sections by E-Mail, with objective to have relatively firm text to the chair by 02-Dec-2002.

The meeting adjourned at 3:20PM.

Report submitted by: M. Wactor  
Task Force Chair