

C37.23 Metal Enclosed Bus Task Force
Minutes of the Spring 2012 Meeting
Trademark Hotel, St. Pete Beach, FL USA
May 2, 2012

The task force met on Wednesday, May 2, at 8:00AM. T. Hawkins (Vice Chair) chaired the meeting. E. Peters was ill and was excused from the meeting. T. Olsen and F. Mayle assisted in running the meeting

Attendance:

Attendees introduced themselves, identified their company and their affiliation.

Members: Total 28 – 19 present, 9 absent (2 excused)

The actual final membership of the working group will be determined by the Chair subsequent to this meeting.

Members Present:

P. Barnhart	M. Flack	S. Hutchinson	T. Olsen	M. Wactor
M. Cannady	P. Gingrich	A. Jur	A. Patel	R. Warren
R. Cohn	S. Gohil	F. Mayle	S. Powell	M. Williford
D. Edwards	T. Hawkins	D. Mazumdar	C. Tailor	

Members Absent:

R. Boyce	M. Hughes	D. Lemmerman	D. Smith	P. Sullivan*
T. Burse	T. Lagerstrom	E. Peters*	J. Smith	* = Excused

Guests:

E. Spiewak	* = Excused
M. Lafond*	

Patents:

Attendees were reminded that they acknowledged reviewing the Patent information during the on-line registration process.

General:

The main objective of the meeting was to determine the scope and purpose of the proposed PAR so that approval to submit can be requested from the Switchgear Assemblies sub-committee.

Discussed the following subjects for inclusion in the revised standard:

1. Cable bus
2. Update of flame retardance and flame testing of insulation similar to the changes being defined by the C37.20.2 working group (M. Wactor to provide excerpts from draft)
3. Testing provisions of forced-cooled bus
4. IEC dual logo (it was reported by F. Mayle that no applicable IEC standard exists)
5. Short time testing requirements of Iso-phase bus at 200 kA. Test Labs may not be able to attain this level for 2 seconds
6. Addition of a Handling Guide

The Task Force discussed and agreed that the following Scope and Purpose would be included in the proposed PAR:

Scope:

This standard covers assemblies of metal-enclosed conductors along with associated interconnections, enclosures, and supporting structures. The types of assemblies covered are nonsegregated-phase bus, segregated-phase bus, isolated-phase bus and cable bus. When switches and disconnecting links are included, they shall conform to this standard. This standard encompasses

the performance characteristics of indoor and outdoor conductor assemblies with rated maximum operating voltages through 38 kV. This standard does not pertain to ANSI/UL 857 type busways and associated fittings.

Service conditions, ratings, temperature limitations and classification of insulating materials, insulation (dielectric) withstand voltage requirements, test procedures, and applications are established. A guide for calculating losses in isolated-phase bus is included.

Purpose:

The purpose of this standard is to:

- a) Establish minimum construction requirements
- b) Establish preferred ratings
- c) Establish testing and performance requirements
- d) Provide Application guidance

for the metal-enclosed bus types covered by this standard.

Task Assignments:

The following are lists of volunteers willing to work on the respective areas. The Chair or Vice Chair will follow-up via email with specific task assignments.

<u>Cable Bus</u>	<u>Forced Cooling</u>	<u>Short Time Test</u>	<u>Handling Guide</u>
J. Bowen	R. Cohn	P. Barnhart	S. Hutchinson
M. Cannady	A. Jur	M. Cannady	
E. Peters	F. Mayle	E. Peters [†]	
S. Powell	E. Peters	S. Powell [†]	
D. Smith	S. Powell	R. Warren	

[†] E. Peters & S. Powell to provide impedance data of iso-phase bus to R. Warren of KEMA Powertest, who will keep data confidential. R. Warren will use data to evaluate possibility of generating the test parameters.

The attendees agreed to request PAR submission approval from the Switchgear Assemblies subcommittee.

The meeting adjourned at 11:45AM.

Report submitted by: T. Hawkins, TF Vice-Chair