

D3 Working Group – Bus Design Working Group Notes  
Montreal  
May 18, 2010

Chair: Hanna E. Abdallah  
Vice Chair: Jean-Bernard Dastous  
Secretary: Chuck Haahr

1. Hanna Abdallah opened the meeting with Introductions. There were 17 members and 16 guests present at this meeting. See attendance list at the end of the minutes.
2. Obligatory Statement – Hanna Abdallah presented the latest revision of the obligatory documents from IEEE regarding patents in standards and inappropriate topics for Working Group Meetings.
3. Member attendance – There are a total of 34 members of the Working Group. A quorum was not present.
4. Agenda – The meeting agenda for the Montreal meeting was reviewed and approved.
5. Presentation on Method of Tapping High Voltage Lines was given by Gamal Ghali.
6. Hannah showed video showing affects of forces on the bus.
7. Meeting Notes – The meeting notes from Nashville were reviewed and there were no corrections offered.
8. We went over the guide status – soon to published.
9. Started a review of possible changes to IEEE 605. Significant discussion occurred and job assignments were handed out. Refer to “Possible IEEE 605 Substation Guide Line Improvements”. Some conversations summarized below;
  - a. Discussed adding annex to discuss finite element analysis for short circuit calculations.
  - b. IEEE 693 and IEEE 1527 discuss seismic issues. IEEE 605 specifically excludes.
  - c. Recommend adding ACSR to short circuit equations.
  - d. Discussion about improved welding methods and whether or not there is a loss in strength.
  - e. Insulator strength – Do we need to use a 40% load factor (2.5 reduction factor). Is this for static or dynamic loading.
  - f. EMF Calculations. It was suggested this be added to document. On 9-8 vote, this idea was rejected.
  - g. Conductor ampacity tables. Discussion about old historical ampacity tables and the fact that different manufacturers had different numbers. Brian Story to follow up more.
  - h. Freezing ice. ASCE 7-05 has chapter about freezing ice which if interpreted a specific way could imply need for more ice than what is listed in IEEE 605. Jean-Bernard to review.
  - i. Removal of imperial unit discussion.

10. Discussion about 2011 tutorial training in Chicago. Four volunteers were assigned.
11. Meeting adjourned.
12. Next Meeting: Fall 2010.

Respectfully Submitted:  
Chuck Haahr  
WGD3 Secretary

Attendance:

1. Hanna Abdallah	Chair
2. Ramani Ayakannu	Member
3. Radoslav Barac	Member
4. Thomas Barnes	Member
5. Gary Beane	Guest
6. Joseph Bell	Member
7. Jean-Bernard Dastous	Vice-Chair
8. Alan Bykadorov	Guest
9. Dennis Decosta	Member
10. Eric Euvrard	Guest
11. Brian Farmer	Guest
12. Chuck Haahr	Secretary
13. Dewan Jamir	Guest
14. Richard Keil	Member
15. Lucas Klein	Guest
16. Debra Longtin	Guest
17. Allen Love	Guest
18. Jason Meidinger	Guest
19. Sakis Meliopoulos	Member
20. William Munn	Guest
21. Robert Nowell	Member
22. Donald Rogers	Member
23. Hamid Sharifnia	Member
24. Douglas Sharpe	Guest
25. Ryan Stargel	Member
26. Brian Stephens	Member
27. Al Stevens	Guest
28. James Sosinski	Guest
29. Brian Story	Member
30. William Thompson	Guest
31. M. Viali	Guest
32. Don Wengerter	Member
33. Adam Zook	Guest