

D3 Working Group – Bus Design Working Group Notes  
Nashville  
October 22, 2009 8-10 AM

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

1. Hanna opened the meeting with welcome. Asked members to re-affirm membership as roster passed around
2. 9 members out of 31 were present. 13 guests present.
3. Introductions by those in attendance
4. Reviewed meeting notes from Kansas City. No corrections were noted.
5. Of the action items from Kansas City not much has been accomplished.
6. Boris sent Hanna an outline for the proposed tutorial listing several ideas
7. Hanna reviewed the amendment that is currently in balloting. Amendment needed to correct errors in formulae. Balloting open until October 30<sup>th</sup>. IEEE will issue both at once in single document.
8. An article has been written for Power Engineering Magazine. Being held until standard and amendment issued.
9. Hanna reviewed possible updates/revisions for next guide including short circuit forces, short circuit calculations, minimum yield strength of bus conductors, insulator strength section, EMF calculation
10. Brian Story brought up that the data in the ampacity tables vary from IEEE 605 to various vendor data. It will need to be re-visited for next issue to try and provide continuity. We may want to provide data but refer users to other standards for exact data.
11. Discussion was held on the differences in the various components for ampacity in the bus system (switches, bushings, conductor, etc). Review impacts in next revision.
12. Hanna presented draft outline for tutorial. Length of presentation and level of details were discussed by the group. How to present the tutorial such as length of time attention to various sections, use new examples were all brought up by the group.
13. A question was raised by a guest (Ramomi Ayakannu) on does the guide address freezing rain? The group felt it was able to be done using the existing equations. Ramomi stated that ASCE 7-05 had different values for ice build-up vs. freezing rain. No Action taken but will review with future revisions.

Submitted by Don Wengerter