

## Meeting notes for Working Group D3 Nashville

Chair: Hanna Abdallah

Meeting April 30, 2013

1. Introduction of member and guests
  - a. There were 19 members and 17 guests presents at this meeting. See attendance list at the end of the minutes.
2. Review meeting notes-Nashville. No corrections noted.
3. Tutorial evaluations and future improvements
  - a. 21 people in attendance.
  - b. Hanna and Jean Bernard were presenters
  - c. Presented material and side discussions were helpful.
  - d. Condense content
  - e. Suggest adding A-frames and/or point, coordinate forces
  - f. 8 hours is very long.
  - g. Not enough information on bus configuration and arrangements
  - h. Suggested load combinations
  - i. Have white board and/or sketch board.
4. Discussion assignments – Team Leaders
  - a. Team #1 Fault current discussion including whether interrupting rating of breaker mattered or not. Use consistency of standardized insulators and standardized structures
    - i. Keith Graham, Milomir, Chuck Haahr, Tom Prois, and Boris will review the document completed by Steve Brown
  - b. Team #2 - Annex C calculations equations are fine. Task complete
  - c. Team #3 -Annex C tables are ready to be done. Just waiting for PAR
  - d. Team #4 Nathaniel Roth – presentation for structural task force. LRFD vs ASD
    - i. Need to research with insulator manufacturers for resistance factors
    - ii. Jean-Bernard creating a task force to research insulator resistance
  - e. Created new Task 7, expansion joints, which was assigned to Keith Graham and Ryan Stargel
5. New PAR should be ready for January 2014 approval.
6. Next meeting Nashville – October, 2013

Submitted for review,

Chuck Haahr

Attendance:

Chair	Hanna	Abdallah	Power Engineers
Vice-Chair	Jean-Bernard	Dastous	Hydro Quebec/IREQ
Secretary	Charles	Haahr	Power Grid Engineering
Member	Radoslav	Barac	General Electric Company
Member	Steven	Brown	Allen & Hoshall, Inc.
Member	Dennis	DeCosta	Commonwealth Associates, Inc.
Member	Keith	Graham	Dominion
Member	Reginaldo	Maniego	Progress Energy
Member	Sakis	Meliopoulos	Georgia Institute of Technology
Member	William	Munn	Southern Company Services Transmission
Member	Robert	Nowell	Commonwealth Associates, Inc.
Member	Shashikant	Patel	Public Service Electric and Gas Comp
Member	Tom	Proios (Bad record RSN)	SAIC Energy, Environment & Infrastructure
Member	Donald	Rogers	Bechtel
Member	Nathaniel	Roth	Sargent & Lundy, LLC
Member	Boris	Shvartsberg	Public Service Electric and Gas Comp
Member	Ryan	Stargel	Tennessee Valley Authority
Member	Brian	Story	Entergy
Member	William	Thompson	Power Engineers, Inc.
Guest	Gary	Beane	TRC Engineering
Guest	Kevin	Buhle	American Transmission Company
Guest	Don	Burkart	Duke Energy
Guest	Anthony	Centore	Pike Energy Solutions, LLC
Guest	MILOMIR	GAVRILOVIC	HYDRO ONE INC.
Guest	Calvin	Josaphat	Duke Energy
Guest	Nathan	Mathews	Power Engineers
Guest	Brett	Phillips	Portland General Electric
Guest	Doug	Smith	SEFCOR, Inc.
Guest	Ryan	Stone	Mitsubishi Electric Power Products, Inc.
Guest	Huili	Sun	AltaLink
Guest	Scott	Taylor	ABB
Guest	William	Thompson	Power Engineers, Inc.
Guest	gilles	tremouille	ALSTOM
Guest	Tam	Vo	American Transmission Company
Guest	Aaron	Wilson	POWER Engineers, Inc.
Guest	Duane	Zieglgansberger	SaskPower