

Minutes Distribution Factor Working Group

March 30, 2010
Magnolia Hotel
1100 Texas Avenue
Houston, Texas

The Distribution Factor Working Group (DFWG) met on March 30, 2010 in Houston, Texas. The meeting notice and agenda are affixed as **Exhibits A** and **B**, respectively. Chairman Jim Busbin presided and Larry Kezele announced that a quorum was present.

Attendees

Jim Busbin, Chairman	Southern	LaChelle Brooks	PJM
Hardeep Kandola (speakerphone)	IESO	Ben Taylor	TVA
Carlos Gonzalez-Perez	OATI	Yasser Bahbaz	SPP
Vic Howell, Vice Chairman	VACAR-S	Jason Davis	ICTE
Larry Kezele	NERC	Richard Becker	FRCC
David Mahlmann	NYISO	Mohamad Yassin	OATI
Dave Hislop	PJM	Raja Thappetaobula	MISO

Antitrust Compliance Statement

Chairman Busbin summarized the NERC Antitrust Compliance Guidelines.

DFWG Roster

The working group reviewed and revised the roster.

Distribution Factor Working Group Meeting Minutes

Jason Davis moved to approve the minutes of the October 14, 2009 meeting. The working group approved the motion.

Future Meetings

Meeting/Conf. Call	Purpose	Date
None Scheduled		

Review of Agenda

Chairman Busbin reviewed the agenda and prioritized agenda items. The working group will conduct closed sessions as required.

Book of Flowgates Database Change Orders (CO)

1. CO-07 Add Minnesota Power HVDC Line Representation Minnesota

CO-07 modified the BoF to dynamically generate pseudo balancing authorities at the inverter/converter buses [SQBUTTE4 230.00] and [ARROWHD4 230.00] in Minnesota Power (MP), similar to the Neptune DC tie between NYISO and PJM. Hence, when the working group modifies the IDC model and creates the pseudo balancing authorities, the transfer of the model to the IDC can occur without any additional changes. CO-07 identifies the dynamically created pseudo balancing authorities as MP_DC_W and MP_DC_E.

At the direction of Minnesota Power and Midwest ISO, OATI implemented CO-07 on December 21, 2009.

2. CO-09 Split SPP into SPP North and SPP South

BoF CO-09 splits SPP into SPP North and SPP South in the IDC. Furthermore, SPP is undergoing a transition in its internal structure and has split the responsibilities of its footprint into two areas. The working group reviewed the development status of version 2 of CO-09. Yasser Bahbaz reported that SPP is internally reviewing implementation of BoF CO-09. NERC and SPP have not yet finalized a contractual agreement regarding development and deployment of BoF CO-09.

3. CO-10 Validate Temporary Flowgates in the Book of Flowgates

Currently, when the working group creates a new BoF case, all of the permanent flowgates are imported for validation. The temporary flowgates; however, are not. Since no validation takes place in the BoF prior to the upload and since the IDC will not allow the user to edit these temporary flowgates once the new model is in production, the temporary flowgates become invalid and get deactivated in the IDC.

The solution to this issue is to pull all temporary flowgates into the BoF for validation against the new IDC model. This will allow changes to be made to the temporary flowgates. Implementation of CO-10 allows validation of all temporary flowgates against the new IDC model through the BoF.

The working group reviewed the evaluation of CO-10. Yasser Bahbaz moved to approve CO-10 for development. The working group approved the motion.

4. CO-11 Base Case Deadline Communication

Chairman Busbin reported the DFWG adopted a base case development timeline document at its meeting on October 14, 2009. The document sets deadlines, by date, for certain aspects of the model development schedule, for both monthly and seasonal model updates.

Communication of these deadlines enhances the overall efficiency of the model development and update process. Communication of deadlines and pending deadlines will help avoid last minute submittals of model modifications that result in the need to perform multiple model validations.

Vice Chairman Howell reported that following the October 14, 2009 meeting he forwarded to the working group a script program that adds the deadlines to one's email calendar. Some members reported that they are using that script program with good results.

The working group reviewed the draft of CO-11. Ben Taylor moved to approve CO-11 for evaluation. The working group approved the motion.

WebFactor Change Orders (CO)

1. CO-01 Enhancement to include Generator Impact

The working group reviewed the development status of webFactor CO-01. CO-01 provides two additional webFactor functionalities: 1) generator GLDF impact and 2) generator incremental/decremental pair GSF. WebFactor CO-01 is developed. Raja Thappetaobula tested its implementation. Raja Thappetaobula moved to accept webFactor CO-01 as implemented. The working group approved the motion. OATI will deploy CO-01 into webFactor on April 5, 2010.

Projects and Model Development

- 1. Flowgate Administration Reference Document** — Chairman Busbin stated that the Flowgate Administration Reference Document specifies several DFWG responsibilities. In addition, the reference document outlines Reliability Coordinator Working Group (RCWG) and Operating Reliability Subcommittee (ORS) responsibilities related to the creation and use of flowgates. The working group suggested reformatting the reference document to become a training guide. Chairman Busbin and Vice Chairman Howell will draft the training guide for working group review. They will also discuss with the ORS the document's identified roles and responsibilities assigned to the ORS and the RCWG.

Raja Thappetaobula discussed the creation of coordinated flowgates and the desire to limit the need to provide market flow data related to that flowgate for approximately 48 hours. The working group expressed the concern that the reliability coordinator creating the flowgate is usually doing so for reliability reasons. The working group suggested that the market entities consult with the Congestion Management Process to determine where a change in process should occur.

- 2. Pseudo Balancing Authority** — Ben Taylor briefed the working group on the creation of the Owensboro Municipal Utilities (OMU) pseudo balancing authority. OMU is embedded in the Louisville Gas and Electric balancing authority. OMU is targeting becoming a pseudo

balancing authority on May 16, 2010. SERC conducted a balancing authority certification. The working group discussed including OMU in the May 4, 2010 summer model upload. The working group supported formation of the OMU pseudo balancing authority.

3. Base Case Model

- a. **Base Case Model Development Timeline** — The working group reviewed and revised the base case model development timeline. Chairman Busbin will update the timeline by adding 6-months to the end and Vice Chairman Howell will revise and reissue the script program.
- b. **PSSE Load Zones Mapped to Multiple Areas** — The working group discussed the fatal errors received when a new model is uploaded to the IDC, particularly those related to the mapping of zones to areas. The working group discussed the reason for the creation of the fatal errors and mechanisms for fixing those errors.
- c. **Seasonal Model Development** —The working group continued its discussion of the feasibility of developing seasonal IDC base cases by updating the loads and generator P_{\max}/P_{\min} instead of the entire model. Chairman Busbin noted the value of this proposal in conjunction with the generator-to-load project, where making incremental model changes may be more efficient than making wholesale base case changes as is currently done. Chairman Busbin suggested that working group members internally consider the implications of moving in this direction.

Adjournment

The meeting was adjourned at 12:00 p.m. CDT on March 30, 2010.

Larry Kezele

Larry Kezele
Secretary

Larry J Kezele

From: Iryn Gamolo [Iryn.Gamolo@nerc.net]
Sent: Monday, February 08, 2010 9:32 AM
To: Iryn Gamolo
Subject: ANNOUNCEMENT: DFWG Meeting - March 30, 2010
Attachments: image001.gif

Importance: High

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Red Category



Meeting Announcement:
 Distribution Factor Working Group
 March 30, 2010 | NAESB Office, Houston, TX

Registration: <http://www.nerc.net/meetingregistrations/Committee.aspx?meetingdate=3/30/2010&meetingtype=DFWG>

Meeting Group and Dates	
Group Name	Distribution Factor Working Group
Dates	3/30/2010 8:00:00 AM 12:00:00 PM
Meeting Location	
Meeting Location	NAESB Office
Address	1301 Fannin Street, Suite 2350
City	Houston
State	TX
Phone	tbd
Fax	
Cut Off Date	
Meeting Staff	
Staff	Larry Kezele
Announcements	
Notes	<p>DUE TO SECURITY REASONS EVERYONE ATTENDING THIS MEETING MUST REGISTER ON-LINE</p> <ul style="list-style-type: none"> • There is no NERC room block available for this meeting. • Dress code: Business casual

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You are currently subscribed to dfgw_plus as: larry.kezele@nerc.net

To unsubscribe send a blank email to leave-1212318-89806.9d2c32bbb558cabee74f740bb410e497@listserv.nerc.com

Agenda Distribution Factor Working Group

March 30, 2010 | 8 a.m.–12 p.m.
Magnolia Hotel
1100 Texas Avenue
Houston, TX

Administrative

1. Arrangements
2. Review NERC Antitrust Compliance Guidelines (**Attachment 1**).
3. Determination of Quorum: The rule for NERC working groups is that half of the members (that are entitled to vote) of the working group constitutes a quorum, and a motion passes if it receives two-thirds affirmative votes of the votes cast.
4. Summary of Parliamentary Procedures (**Attachment 2**).
5. Approve and set timing for the agenda. (Closed sessions will be conducted as required.)
6. Review DFWG Roster (**Attachment 3**).
7. Review and approve minutes of the October 14, 2009 meeting (**Attachment 4**).
8. Future meetings and conference calls.
 - A. None scheduled.

Projects and Model Development

1. Book of Flowgates Change Orders
 - A. CO-07: Add Minnesota Power HVDC Line Representation Minnesota (Status – Implemented on December 21, 2009)
Action: Information
 - B. CO-09: Split SPP into SPP North and SPP South (Status – Version 2 of BoF CO-09 approved for development, contingent upon resolution of a contractual agreement regarding funding between NERC and SPP (**Attachment 5**))
Action: NERC and SPP have not yet finalized a contractual agreement.

- C. CO-10: Validate Temporary Flowgates in the Book of Flowgates
(Status – Evaluated (**Attachment 6**))
Action: Approve for development.
2. WebFactor Change Orders
 - A. CO-01: Enhancement to include Generator Impact
(Status – Developed and being tested (**Attachment 7**))
Action: Review test results and accept as implemented.
3. Reference Document Review — The working group will review and revise the Flowgate Administration Reference Document (**Attachment 8**).
4. Pseudo Balancing Authority – Ben Taylor will brief the working group on the creation of the Owensboro Municipal Utilities pseudo balancing authority.
5. Base Case Model Development Timeline – The working group will review and revise the base case model development timeline (**Attachment 9**).
6. Member comments
7. Other