



## NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL

*Princeton Forrestal Village, 116-390 Village Boulevard, Princeton, New Jersey 08540-5731*

### **Distribution Factor Working Group (DFWG)**

September 17–18, 2002  
St Louis, Missouri

### **Meeting Minutes**

#### **Administrative Matters**

Chairman Patrick J. Shanahan called the Distribution Factor Working Group (DFWG) meeting to order at 1 p.m. on September 17, 2002. Attendance is listed in **Attachment A**.

The minutes from the July 24, 2002 conference call was approved with modifications.

#### **IDC Base Case Status**

To the best of DFWG's knowledge the August base case was not loaded. This base case will be modified to be the October base case. There have been minor changes thus far to the base case and Book of Flowgates.

The next base case upload will be scheduled for October 1, 2002. Chi will send out an updated base case by September 20, 2002 for DFWG review. Chi will send this to OATI on September 25, 2002 for validation and posting.

DEMC, which previously was a generation only control area operated by Duke Energy, needs to have a name change to MCLN. This has been hard coded in the IDC in the interim.

No action will be taken on Sammis modeling (FE/PJM), since FERC has not yet placed it on their agenda.

DEAU is trying to be decertified as a control area. They wanted to be removed from the current base case and Book of Flowgates. Since they haven't been decertified and settled up their inadvertent, they will remain in the base case and Book of Flowgates. For granularity and modeling issues, DFWG may want to keep this as a pseudo control area, since some of these units may be moving in and out of control area status dependent on Duke's current business practices. DFWG has asked the ORD for clarification.

The implementation of the ORS approved Montana-Dakota Utilities; however, they will not be part of the October base case.

Jon will send the updated MEN/VEM model to DFWG by September 20, 2002. This will be base case trial zero. Any updates to this model should be sent to Chi by October 15, 2002. Kannan will do a DIFF on the model and send the results to the group. This model will still be based on PSS/E 25. There is still the issue of zero impedance buses exceeding the number allowed. If the base case needs to move to the 80,000 bus version of PSS/E 26, there are issues with MUST 4 locking up. The understanding is that the problems do not exist with MUST 5. The DFWG will need to check with OATI regarding changes to new PSSE versions.

## **PAR Factor Modeling Presentation/Discussion — Ray Kershaw**

Ray Kershaw presented the features of the flowgate counter flow tag. ITC is looking to proceed with the business case (for December ORS meeting). This may require an IDC change order. There are still issues with this proposal, such as running out of taps that you can move, that need to be addressed. One of the questions that will be raised is, how will this approach mesh with the current and pending PAR calculations.

This presentation does highlight that there are problems with the proposed modeling in the current PAR change order.

Chi will put together the initial DFWG response to this approach. It does look like this and the current PAR change order can coexist.

## **Flowgate Administration**

### *October Flowgate Administration Document*

July and August FG Administration document was sent out September 3, 2002. At that time, the August base case was not yet loaded. One attempt to load failed because all Flowgates were not reduced to TLR 0. This problem was mentioned to the ORS in the last Flowgate Administration report. Due to loading delays, market participants may be subject to the extend use Temporary Flowgates that would have otherwise been added to the BOF Permanent Flowgate list (see Temporary Flowgates). The October Flowgate Administration document will be discussed and approved during a conference call. Changes that have already been presented to the ORS will not be resubmitted.

### *IDC Base Case Upload History*

Robert distributed the latest version of the IDC base case upload history to DFWG. The 2002 IDC base case upload history will continue to be updated

## **Posting**

### *Status – BaseCase, Book of Flowgates, and MUST File*

The loaded base cases, Book of Flowgates, and MUST files have been posted on the CRC web site. The August files were not posted since they were never implemented.

### *10,000 and above Flowgate List*

This file has not been updated since June 30, 2002, and should be updated with the next base case upload. Jason will talk to Scott to see if he can distribute another list.

### *Temporary Flowgate Details*

At this time, NERC has not yet implemented a posting system for Temporary Flowgates details. Brian will discuss the change to the DFTFFG list server and the posting of the messages on the CRC site with the NERC IT staff. The results of the meeting will be sent to DFWG. This will include the interim solutions and the more permanent solution (possible change order). Brian will try to hold this discussion by the end of this week.

Brian will find out who is on the [dftffg@nerc.com](mailto:dftffg@nerc.com) list server and request the names of those on the [flowgates.idc@oatiinc.com](mailto:flowgates.idc@oatiinc.com).

### **Status of Change Orders**

Some clarification is needed on the status of the IMO\_PAR change order (#38) and Partial Control change order (#94). Change order #38 needs to be in effect by January 2003 and change order #94 is scheduled for summer 2003. Training time should be considered.

IDCWG wants to create a change order to create response factors for PAR movements, but they want DFWG feedback. This is the PAR Factor modeling that Ray Kershaw presented. IDCWG is probably looking to DFWG to see if the proposal can be modeled.

Pat is working with IDCWG to keep JOU TDF calculations moving along. There is some concern about a global change versus a specific change.

### **Pumped Storage**

The pumped storage potential change order will be discussed during the November DFWG meeting. Some of the issues will be internalized with AEP and VAP coming under the PJM LMP.

### **Documentation of IDC Modeling Processes**

The documentation of the DFWG processes will be discussed at the November DFWG meeting. The current draft documents will be distributed to DFWG prior to the meeting. Please send any comments or items to Pat that should be included in the November agenda.

### **Granularity**

IDCGTF has discussed six different ideas for moving toward full granularity of the IDC model. Some of these are very grandiose. These six ideas have been reduced to 2 proposals that will be presented to the ORS. The two options are every generator bus to every load zone and every generator zone to every load zone.

### **Future Meetings and Conference Calls**

Sept. 26, 2002	CC at 10:30 a.m. Eastern	For October 1 base case, with FG Admin
Oct. 22, 2002	CC at 2 p.m. EDT	If needed
Nov. 18–19, 2002	Meeting noon–5 p.m.	Tampa, St Louis, Baltimore, or Indianapolis
Feb. 25–26, 2003	Meeting 8 a.m.–noon	Location TBD

### **Adjournment**

Chairman Shanahan adjourned the meeting on September 18, 2002.

## Attendance

<b>Name</b>	<b>Representing</b>	<b>E-Mail Address</b>
Patrick Shanahan, Chairman	ATC	<a href="mailto:pshanahan@atcllc.com">pshanahan@atcllc.com</a>
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Ray Kershaw	DTE Energy	<a href="mailto:kershawr@dteenergy.com">kershawr@dteenergy.com</a>
Jon Riley	EMSC	<a href="mailto:jhriley@aep.com">jhriley@aep.com</a>
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