



NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL

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

Distribution Factor Working Group

November 19–20, 2002
Tampa, Florida

Meeting Minutes

Administrative Matters

Chairman Patrick J. Shanahan called the Distribution Factor Working Group (DFWG) meeting to order at 1 p.m. on November 19, 2002. Attendance is listed in **Attachment A**.

The minutes from the November 1, 2002 conference call were approved with modifications.

IDC Base Case Status

November Case Status

The November base case was loaded into the IDC on November 17. MDU has been modeled and the Book of Flowgates has been updated. This is the first base case loaded into the IDC since July 2002. This case contains all changes made to the base case and Book of Flowgates since that date.

Winter Base Case Preparation

Chi distributed Trial 2 of the winter base case on November 8. Several people have submitted changes and Trial 3 will be sent out as soon as the two remaining MAPP control area updates are incorporated. The problems being encountered may be due to some of the underlying 69 kV systems or the HVDC lines with MAPP Canada. The TDF values between the previous case and this case are similar in both the MAPP and MAIN systems. OATI is supposed to run a TDF comparison when the new case is submitted, to see if there are any large swings in the values.

In the winter case, there will be several new IPPs modeled in MAIN. Once the base case solves, Chi will send out the MUST and DIFF files to DFWG. Currently, there are about 100 entries that differ between the Book of Flowgates and base case. The name will need to be changed in one or the other.

Chi is hoping to submit the base case to OATI around the beginning of December with the expectation that the new base case will be uploaded around mid-December. This will allow time for updating the SDX and other systems.

Chi will maintain a new list to keep track of nuclear unit MBASE participation.

Some pseudo control areas may need to be put into the base case in preparation for the implementation of the PAR change order. Currently, the 3 IMO-MECS PARs are not regulating until the fourth one is implemented. It is not known if there is a need to register the PARs. Other pseudo CAs such as those added for the IMO-MH interface are not in the registry.

The transfer of EKPC to MISO has been delayed until January 1, 2003. This may require the upload of a January base case.

There are some IPPs that can be connected to different control areas. One example is an IPP that can connect to either Cinergy or AEP. These plants need to be modeled as two different plants and turned on and off via the SDX. Caution needs to be taken so that the model doesn't have more generators on-line than there really are. This type of modeling could be a granularity topic for a future meeting or conference call.

2003 Summer Base Case

The Summer IDC base case will be developed in PSS/E Rev. 28. IDCWG needs to inform OATI that starting with the summer base case, OATI should be prepared to receive PSS/E Rev. 28 models. Relying on backward conversion from Rev. 28 to the existing version may pose significant issues. At least one has already been encountered, related to the process used to add midpoint buses when converting 3-winding transformer models.

Flowgate Administration

Pat sent out the November Flowgate Administration document to the DFWG prior to the November 19–20, 2002 DFWG meeting. Minor changes were made to the document and letter; Pat will forward these to ORS for review and approval.

Currently, there is no December Flowgate Administration document to review since there are errors in the Book of Flowgates and the loading date has been delayed until the middle of December.

For the seasonal case changes, the DFWG asked Chi to only document what are believed to be significant changes to the Book of Flowgates in the flowgate change log. This will limit the Flowgate Administration reporting by skipping Flowgates with minor bus name and number changes. Chi may use Flowgate name changes as a guideline.

Scott Hoberg distributed the most recent version of the temporary flowgate-mapping document. This does not include any temporary flowgates since the DFTFFG messaging link was broken. This file is published on the DFWG site. Scott will ask OATI for the Flowgates not found in the DFTFFG messages.

Both the FIST and CRC System Flows Flowgates are in need of correction. These need to be reviewed to see if they are correctly mapped and in the correct direction. In past discussion with NERC, Pat was told that some of the Flows calculations are hard coded. The system would work better if the signs of the fields could be easily changed. Brian will submit a Request for IT Support (RITS) to get this fixed. Pat will discuss ownership of this data with ORS

Posting

Status

The November base case, Book of Flowgates, MUST, and subsystem files have been posted on the appropriate CRC sites.

For several weeks, the DFTFFG list server was not distributing the temporary flowgate details when a temporary flowgate was created. The problem might have been because OATI's new address was in the system and it wasn't known if the old address was still sending the messages. Now both of the addresses are in the list server (.com vs. .net).

Brian will verify the approval of the Flowgate Administration document. The document could not easily be found on the NERC website. Brian will check its location and also post it on the DFWG site.

A NERC RITS form was submitted to get the temporary flowgate information automatically posted to the NERC CRC site. It was requested that the automated posting begin December 15. This RITS also addresses the name change of the list server. The request will only provide an interim posting solution.

Posting Draft Files to DFWG Private (avoid large emails, FTP site?)

No action has been taken on this action item. Brian will discuss this with NERC IT and will submit a RITS. Brian will report on this during the next conference call or via e-mail.

Status of Change Orders

PAR Change Order 38i

After making corrections to the PAR change order, OATI issued CO-38i. This replaces CO-38 and CO-94. The IDCWG recently hosted a conference call (with DFWG invited) to discuss CO-38i. Pat and others on the call provided an update. CO-38i was sent to DFWG for review and concurrence. This review revealed that the document did not include some of the DFWG's previous comments. Pat will resend the DFWG version of CO-38i to the IDCWG.

The IDCWG Chair, Julie Novacek, will request approval of CO-38i at the December ORS meeting. Features and issues not included in the CO will be presented by Chi and Pat. Other issues discussed include those outlined by Julie's email. The group agreed that the presentation of the CO should be clear and straightforward so that the CO gets approved. When the IMO_MECS PARs goes into service, the system will need the new PAR modeling.

CO-95 JOU TDF Calculations

Pat will discuss this change order at the December ORS meeting. OATI should have the evaluation of this by the meeting.

Documentation of IDC Modeling Processes

The Base Case Guideline Procedure document was discussed and modified. Pat will distribute a revised version of this document to DFWG. This document is still in a draft stage and as such is not posted on the DFWG's website.

Future Meetings and Conference Calls

What	Date	Time	Location
Conference Call	December 11, 2002	2 p.m. Eastern	As needed for FG Administration
Conference Call	January		If Needed
Meeting	February 4–5, 2003	1 p.m.–5 p.m. & 8 a.m.–noon	Orlando
Conference Call	March		As needed for FG Administration
Meeting	April 23–24, 2003	1 p.m.–5 p.m. & 8 a.m.–noon	New Orleans (Tentative) Joint IDCWG meeting

Adjournment

Chairman Shanahan adjourned the meeting at 10:30 a.m. on November 20, 2002.

DFWG Attendance List
November 19–20, 2003
Tampa, Florida

Name	Representing	E-Mail Address
Patrick Shanahan, Chairman	ATC	pshanahan@atellc.com
Nelson Burks	Dominion	nelson_burks@dom.com
Don Reichenbach	Duke	dereiche@duke-energy.com
Jon Riley	EMSC	jhriley@aep.com
Matt McNeece	Entergy	mmcnec@entergy.com
Paul Graves	FRCC	paul.graves@pgnmail.com
Chi Tang	IMO	chi.tang@imo.com
Ed Ruck	MAIN	ehr@maininc.org
Scott Hoberg	MISO	shoberg@midwestiso.org
Phillip Shafeei	NYISO	pshafeei@nyiso.com
Dave Mabry	PJM	mabry@pjm.com
Jim Busbin	Southern	jybusbin@southerco.com
Robert Rhodes	SPP	rrhodes@spp.org
Dan Kehoe	TVA	djkehoe@tva.gov
Brian Nolan	NERC	brian.Nolan@nerc.net