



NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL

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

Distribution Factor Working Group (DFWG)

April 22–23, 2003
New Orleans, Louisiana

Meeting Minutes

Administrative Matters

Chairman Patrick J. Shanahan called the Distribution Factor Working Group (DFWG) meeting to order at 1 p.m. on April 22, 2003. Attendance is listed in **Attachment A**.

The minutes from the February 3–4, 2003 meeting and the February 7, 2003 conference call were approved with modifications. The posting of the meeting minutes will be updated as soon as possible.

IDC Base Case Status

May Base Case

Unless an interest is expressed by a DFWG representative, Chi recommended skipping the May base case, thus allowing the representatives time to work on the Summer base case. SPP has a new IPP in southeastern Oklahoma that was scheduled to become commercial in June. The generation is modeled in the summer model but not the existing winter model. The IPP is undergoing full-load testing and is creating some loading problems in the region. As such, SPP asked for a May model update to incorporate this generation in the existing IDC model. Entergy also needs a generator and substation modeled prior to the June upload. There may be some changes in the MAIN/MISO areas due to changes that are going on in the Ameren area. Due to these required changes, there will be a May base case upload. DFWG will target April 25 for having all changes to Chi. DFWG will submit the revised base case to OATI by April 28 for validation and upload.

June Base Case

There are no RC, CA, or TP changes that will require a June 1 implementation of the summer base case. DFWG will remain with Revision 26 of PSS/E for the summer base case. This is because OATI at the time cannot accommodate Rev 28 of PSS/E.

Currently, the primary issue that will occur during the conversion back to Rev 26 from Rev 28 is with the three winding transformers. A new star bus name is created when the conversion of the two winding to three winding transformers established, using the PSSE Rev. 28. Unfortunately, all new star busses have the same name if different users accomplished the conversion. This has caused modeling errors in past updates. This issue will need to be monitored closely during the update process, unless the new three winding transformer is added using the PSSE Rev. 26.

Currently, Chi has not received many changes to the base case. Other areas have stated that they will be submitting changes. One of the biggest changes to the initial base case (TASG) was a complete resubmission of FRCC, since the TASG base case reduced FRCC to one control area.

Chi is expecting to have trial 2 of the summer base case released by May 7. After trial 2 release, then a comparison study can be performed; this would be between May 7 and May 21. Trial 3 should be released around May 21. There will be 10 days to fine-tune the Book of Flowgates before DFWG will upload the base case to the IDC on June 2, 2003.

Additional Base Cases

In the past, DFWG needed to develop additional models to capture changes that occurred during the summer months (RC, CA, and TP). DFWG will develop additional cases as needed during the summer.

PAR Modeling in the Book of Flowgates

Based on Change Order 38i, DFWG may need to add an additional page to the Book of Flowgates for the changes to the angle and taps of the PARs.

Change Order 38i will be implemented in the IDC, but it does appear that the use of it will be pushed back due to some issues with the IMO/MECS PARs. It does not appear that the IMO/MECS PARs will be on line for some time.

Releasing the BOF to the Public

Currently, the Book of Flowgates is posted on a website that requires a user name and password to access it. Jason Marshall had some members request access to the Book of Flowgates and changes that were made to the Book of Flowgates. These changes would be for the MISO area only. As long as the data is not released prior to the implementation of the Book of Flowgates and base case, DFWG sees no problems with this.

Flowgate Administration

April FG Administration

The April Flowgate Administration document was reviewed and approved. This document includes temporary flowgates that had a TLR level one or higher called on them as well as any changes that were requested.

Some of the changes to the flowgates were to clarify the direction of the flow (reverse the order of the name of the flowgates). If the flowgate could be associated with its temporary or previous RC number, it was so noted.

Pat will update the letter that goes with the Flowgate Administration workbook and distribute to DFWG for review.

IDC Base Case Upload History

Robert Rhodes has been keeping track of the base case uploads. Chi has been helping with this by filling in the missing information.

Posting

The meeting minutes need to be updated on the website. Brian will address this when he returns to the NERC office. A new Temporary (10,000 level) Flowgate list needs to be updated and posted to the DFWG website.

The temporary flowgates are to be posted on the NERC site. This will be incorporated into another change order that will have all data streams from OATI to NERC converted to XML format. Brian Nolan will let DFWG know of the expected date that the change order will go to OATI and/or the implementation date. ORS is interested in when the automated posting of the temporary flowgates will be in place and will monitor the progress.

NERC will implement an FTP site for posting of the base cases. Currently, IMO has created an FTP site for this purpose, but NERC will take over the responsibility for that site, because there will be non-DFWG users of this site.

Status of Change Orders

Change Order 113 (NNL report variable threshold display) has been modified for efficient system performance and implemented.

SDX Web Training

A new SDX tool will become available at the end of May. To prepare for this, the SDX SDWT has invited DFWG to participate in the initial SDX training session on April 25, 2003. Some of the items that will be addressed during the training session are:

- RC Reference Document
- Model update procedures
- Web Based Tool
- Automated Files (HTTP and XML)

Users will log into the training system with a generic username and password at the same time users will have a web cast system and conference call for the bulk of the training.

One note to the current SDX users is that the SDX files will not be uploaded to the NERC FTP site, as that will now be a read only site for download. There will be a different site that will be used for bulk upload of data to the SDX.

Some of the new features that will be available to the users of the system will be model comparisons, bulk upload of common names, and mapping of bus names from one model to another. The system currently does not have a mapping to the Book of Flowgates. Additional reference material can be located on the SDX website. This site is a link from the IDCWG homepage.

Brian Nolan will distribute to DFWG the SDX website, so they can download all of the files that they need. For those areas that would like to test the new SDX upload format, a new FTP site will be made available to them to test with. To get access to the FTP site, the area will need to contact Brian Nolan for the user name and password.

Pumped Storage (PS) in the New SDX

This status will be ignored by the IDC until a formal Change Order (CO) is written to specify how the PS units will be handled. The IDCWG would look to the DFWG to create this CO and submit it to the IDCWG after DFWG has a chance to come to a conclusion on how a PS should be handled.

The issue of pumped storage will be discussed at future meetings, since DFWG does not know if this is the group that should initiate it or if IDCGTF, ORS, RCWG, or a higher group should initiate this potential change.

PSS/E Change Order

To convert the model over to Rev 28 from Rev 26 will require a change order. Therefore, it appears that the earliest that this conversion will take place will be in the fall with the switch over to the winter base case. DFWG will look to draft something up on this after the implementation of the summer base case.

Future Meetings and Conference Calls

The NERC ORS and IDCWG have requested DFWG representation at their meetings. DFWG should schedule its meetings to accommodate these requests when possible. ORS meetings are currently scheduled through December 2003. IDCWG typically schedules its meetings 2–3 months in advance.

What	Date	Time	Location
Conference Call/WebEx	May 21, 2003 at 2 p.m.	1–2 Hours	As Needed – Finalize Summer BC
Conference Call/WebEx	June 9, 2003 at 2 p.m.	1–2 Hours	As Needed – Summer FG Administration and Finalize BC
Conference Call/WebEx	July 9, 2003 at 10 a.m.	1–2 Hours	As Needed – July FG Administration and BC
Conference Call/WebEx	August 6, 2003 at 2 p.m.	1–2 Hours	As Needed – August FG Administration and BC
Meeting	September 15–16	2 p.m.–6 p.m. & 8 a.m.–noon	St Louis
Conference Call/WebEx	Early October	1–2 Hours	As Needed – October FG Administration and BC
Meeting	November 12–13	1 p.m.–5 p.m. & 8 a.m.–noon	Atlanta/TBD
Conference Call/WebEx	Early December	1–2 Hours	As Needed – December FG Administration and BC

Adjournment

Chairman Shanahan adjourned the meeting on April 23, 2003 at 10 a.m.

DFWG Attendance List

April 22–23, 2003

Name	Representing	E-Mail Address
Pat Shanahan, Chairman	ATC	pshanahan@atcllc.com
Robert Rhodes, Vice-Chairman	SPP	rrhodes@spp.org
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Paul Graves	FRCC	paul.graves@pgnmail.com
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