



NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL

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

Distribution Factor Working Group

January 5–6, 2005

Meeting Minutes

Administrative Matters

Chairman Patrick J. Shanahan called the Distribution Factor Working Group (DFWG) meeting to order at 1 p.m. on January 5, 2005. Attendance is listed in Attachment A.

IDC Base Case Status

Discuss Upcoming Schedule

The winter IDC base case was uploaded to the IDC on January 1, 2005. This is the same time that IDC Change Order 38i was implemented. The current model is still PSS/E revision 26. The first opportunity to upload a revision 28 model would be February 1, but the model would need to be fully tested along with industry notification. A better option would be to delay the implementation until May.

A conversion issues document was drafted by Wayne Galli to compliment the document that Jim Busbin had drafted. The document highlights issues, both front-end and back-end, of the conversion to PSS/E revision 28. Wayne received one set of comments.

Comparison of IDC Base Case Changes

DFWG members should review the file Pat sent out on December 29, 2004. There are several non-standard characters in the names, asterisk in the impedance table, busses with voltages above 999. The changes that occur over the next few models should be minimal, but some of these items will need to be watched when the model is changed to the winter model.

Marginal Zone Testing

An IDEV file has been created that will move all of the MISO load into one area and merge the existing control areas into marginal zones. This should be run on the latest reference base case and sent to OATI for testing.

Marginal Zone Analysis

MISO Marginal Zones

MISO, with the exception of one control area, will be modeling its marginal zones based on the current control areas. The zones that are being modeled are the same as areas that MISO is selling transmission based on. The zones are for transactions that go into and out of the MISO market.

There is the issue of the grandfathered agreements, of which FERC said that MISO must maintain and this is one of the primary reasons for maintaining the majority of the existing structure. The grandfathered agreements are both internal and external transactions to the MISO market. TLR's will be used when a grandfathered agreement needs to be curtailed, if redispatch will not work.

Based on the way that MISO has to stand up its market, with grandfathered agreements, the MISO marginal zones will need to be reevaluated after the market is up and running. One of the issues with the current analysis is that MISO currently relies heavily on the TLR process for relief.

FERC has ordered MISO to "carve" out grandfathered agreements from its market. MISO plans to tag these agreements using the existing control areas. This has prevented the additional increase in granularity for the marginal zones under the existing design of the IDC.

DFWG recommends implementing of the marginal zones proposed by MISO. DFWG and IDCWG should explore and evaluate changes to the IDC after the MISO market starts to allow both the increased granularity and retention of existing control areas for the purpose of tagging grandfathered agreements.

Flowgate Administration

December

The December flowgate administration document was reviewed and approved. Pat will forward this to the ORS for final approval.

Future of BOF

Is there a need to modify the BOF to a database format?

ORS/RCWG Survey letter – about disabling the GSF/TDF Viewer

At the December ORS meeting, a motion was passed that would have NERC deactivate the GST/TDF viewers at the NERC site. This will take place on January 14, 2005. The raw data will still be posted on the NERC site for use. Also, IDCWG was given the task of drafting the technical specifications for the new GSF/TDF viewer.

In the letter noticing the deactivation of the GSF/TDF viewer, a small survey was included asking for industry feedback. The following questions were included in the survey:

1. Do you think NERC should provide the industry with a GSF/TDF Viewer?
2. Should the viewer include access to other factors (e.g., Load Shift Factors and Generator-to-Load Distribution Factors)?
3. Should the viewer be publicly available, without user name and password protection?
4. Should there be an archive established for the viewer? If so, what is your recommendation for both on-line and off-line information retrieval?
5. Should NERC provide the viewer free of charge or on a subscription basis?

One suggested change to the GSF/TDF data files would be to break them down to individual flowgates files. This could reduce the bandwidth needs for upload and download of the files.

DEWG System Flows

The System Flows site was discussed at the past two ORS meeting. This issue will be addressed through the RCIS rewrite team.

Relevant IDC Change Orders

Phase Shifters

This change order was implemented with the January base case upload.

Conversion to PSS/E version 28

DFWG recommends that the conversion to PSS/E revision 28 be delayed until the May base case upload. Jim and Wayne will continue to modify the conversion issue documents.

Modeling marginal zones as zones

IDCWG is looking to DFWG for some advice on if this change order is still needed. Based on discussions held during the MISO marginal zones review, this change order is still needed and could prove to be very useful. DFWG recommends that IDCWG submit this change order to OATI for evaluation.

Motion 1 (Moved: Jason, second: Phillip): Pass CO-151 to IDCWG for evaluation, requesting review of the proposed solution and advising IDCWG of an additional change order that would address the MISO grandfathered agreements.

Motion 1 passed with a unanimous voice vote.

DFWG Scope

The current DFWG scope was reviewed and modified. This will be revisited during a conference call for a final vote prior to sending it to the ORS for approval.

Posting

The Base Case, Book of Flowgates, MUST Flowgate and subsystem files, and Minutes postings are up to date.

Next Call/Meeting

What	Date	Time	Location
Conference Call	February		For February FG Admin and MISO Marginal zone wrap-up
Conference Call	March		For March FG Admin, PSS/E 28 cut-over issues
Meeting	March 30-31, 2005	Half day half day	Charlotte or Memphis

Adjournment

Chairman Shanahan adjourned the meeting at 11:30 a.m. on January 6, 2005.

Attendance

Name	Representing	E-Mail Address
Pat Shanahan, Chairman	ATC	pshanahan@atcllc.com
Paul Graves	FRCC	Paul.Graves@pgnmail.com
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