



Date: August 12, 2008
To: ERCOT Board of Directors
From: Mark Bruce, Technical Advisory Committee (TAC) Vice-Chair
Subject: Nodal Protocol Revision Requests (NPRRs)

Issue for the ERCOT Board of Directors

ERCOT Board of Directors (ERCOT Board) Meeting Date: August 19, 2008

Agenda Item No.: 9a

Issue:

Consideration of the following NPRRs:

- NPRR097, Changes to Section 8, Performance Monitoring and Compliance (formerly titled “Changes to Section 8 to Incorporate Role of TRE, the IMM, and the Concept of Market Compliance”)
- NPRR114, Section 11, Synchronization of Zonal Protocols
- NPRR127, Section 22 Attachments A, I, J & M, Synchronization of Zonal Protocols
- NPRR132, Outage Clarification
- NPRR133, Addition of PSSE Format

Background/History:

Unless otherwise noted: (i) all Market Segments were present for each vote and (ii) ERCOT Credit Staff and the Credit Work Group (Credit WG) have reviewed the revision request and do not believe it requires changes to credit monitoring activity or the calculation of liability.

- ***NPRR097, Changes to Section 8, Performance Monitoring and Compliance (formerly titled “Changes to Section 8 to Incorporate Role of TRE, the IMM, and the Concept of Market Compliance”) [TPTF]. Proposed effective date: upon Texas Nodal Market Implementation. Estimated cost in the \$100,000 to \$250,000 range; staffing impacts, if any, will be determined through the normal budgeting process; system impacts to the Energy Management System (EMS), Electronic Data Warehouse (EDW), Management Information System (MIS), and Enterprise Information Project (EIP); NPRR097 will require ERCOT to measure and post Qualified Scheduling Entity (QSE) and QSE Resources performance to the MIS Certified Area; NPRR097 will improve performance monitoring for various areas in EMS. This NPRR incorporates relevant concepts from the TAC-approved Energy Management System (EMS) and Market Management System (MMS) Business Requirements and Conceptual Design Documentation to bring Section 8, Performance Monitoring and Compliance, language addressing Ancillary Service qualification testing and performance monitoring into conformance with the current nodal market Ancillary Service deployment design. NPRR097 was posted on 1/8/08. On 2/21/08, PRS unanimously voted to remand NPRR097 to TPTF. On 3/20/08, PRS unanimously voted to table NPRR097. On 4/18/08, PRS unanimously voted to recommend approval of NPRR097 as amended by the 040108 ERCOT Comments. On 5/22/08, PRS unanimously voted to table NPRR097 until the 06/19/08***

PRS meeting. On 6/19/08, PRS unanimously voted to endorse and forward the PRS Recommendation Report and Impact Analysis to TAC for approval. On 6/26/08, TAC unanimously voted to recommend approval of NPRR097 as revised by TAC. On 7/15/08, the ERCOT Board tabled NPRR097.

- ***NPRR114, Section 11, Synchronization of Zonal Protocols [ERCOT]. Proposed effective date: upon Texas Nodal Market Implementation.*** No incremental cost to ERCOT is anticipated; staffing impacts, if any, will be determined through the normal budgeting process; no significant additional high-level impacts to computer systems, business functions, or grid operations and practices are anticipated. This NPRR synchronizes zonal Protocol Section 11, Data Acquisition and Aggregation, with the current Nodal Protocols. NPRR114 was posted on 3/14/08. On 4/18/08, PRS unanimously voted to refer NPRR114 to TPTF for review. On 6/19/08, PRS unanimously voted to recommend approval of NPRR114 as amended by TPTF comments. On 7/17/08, PRS unanimously voted to endorse and forward the PRS Recommendation Report and Impact Analysis to TAC. On 8/7/08, TAC unanimously voted to recommend approval of NPRR114 as recommended by PRS.
- ***NPRR127, Section 22 Attachments A, I, J & M, Synchronization of Zonal Protocols [ERCOT]. Proposed effective date: upon Texas Nodal Market Implementation.*** No incremental cost to ERCOT is anticipated; staffing impacts, if any, will be determined through the normal budgeting process; no significant additional high-level impacts to computer systems, business functions, or grid operations and practices are anticipated. Impact Analysis pending. This NPRR synchronizes Attachments A, I, J and M of zonal Protocol Section 22 with the current Nodal Protocols. NPRR127 was posted on 4/23/08. On 5/22/08, PRS unanimously voted to refer NPRR127 to TPTF for review. On 6/19/08, PRS unanimously voted to recommend approval of NPRR127 as submitted. On 7/17/08, PRS unanimously voted to endorse and forward the PRS Recommendation Report and Impact Analysis to TAC. On 8/7/08, TAC unanimously voted to recommend approval of NPRR127 as recommended by PRS.
- ***NPRR132, Outage Clarification [ERCOT]. Proposed effective date: upon Texas Nodal Market Implementation.*** No incremental cost to ERCOT is anticipated; staffing impacts, if any, will be determined through the normal budgeting process; no significant additional high-level impacts to computer systems, business functions, or grid operations and practices are anticipated. This NPRR changes the use of the defined term “Outage” to generic “outage” to clarify that the Protocol language regarding outages in the CIM model includes known normal operating status outages, not Outages as defined in Section 2.1, Definitions. NPRR132 was posted on 5/16/08. On 6/19/08, PRS unanimously voted to recommend approval of NPRR132 as submitted. On 7/17/08, PRS unanimously voted to endorse and forward the PRS Recommendation Report and Impact Analysis to TAC. On 8/7/08, TAC unanimously voted to recommend approval of NPRR132 as recommended by PRS with the caveat that documentation of “outage” vs. “Outage” be subsequently defined by ERCOT Staff.



- ***NPRR133, Addition of PSSE Format [ERCOT]. Proposed effective date: upon Texas Nodal Market Implementation.*** *No incremental cost to ERCOT is anticipated; staffing impacts, if any, will be determined through the normal budgeting process; no significant additional high-level impacts to computer systems, business functions, or grid operations and practices are anticipated.* This NPRR adds the requirement to post Annual Planning Models and Congestion Revenue Rights (CRR) Network Models in the Power System Simulator for Engineering (PSS/E) format. NPRR133 was posted on 5/16/08. On 6/19/08, PRS unanimously voted to recommend approval of NPRR133 as submitted. On 7/17/08, PRS unanimously voted to endorse and forward the PRS Recommendation Report and Impact Analysis to TAC. On 8/7/08, TAC unanimously voted to recommend approval of NPRR133 as recommended by PRS.

The TAC Recommendation Reports and Impact Analyses for these NPRRs are included in the ERCOT Board meeting materials. In addition, these NPRRs and supporting materials are posted on the ERCOT website at the following link:

<http://nodal.ercot.com/protocols/npr/index.html>

Key Factors Influencing Issue:

The PRS met, discussed the issues, and submitted recommendation reports to TAC regarding the NPRRs described herein. TAC considered the issues and voted to take action on these NPRRs as described above.

Alternatives:

1. Approve the TAC recommendation on NPRR097, NPRR114, NPRR127, NPRR132, and/or NPRR133 as described above or as modified by the ERCOT Board;
2. Reject the TAC recommendation; or
3. Remand NPRR097, NPRR114, NPRR127, NPRR132, and/or NPRR133 to TAC with instructions.

Conclusion/Recommendation:

As more specifically described above, TAC recommends that the ERCOT Board approve NPRR097, NPRR114, NPRR127, NPRR132, and NPRR133 as described herein.



ELECTRIC RELIABILITY COUNCIL OF TEXAS, INC.
BOARD OF DIRECTORS RESOLUTION

WHEREAS, Electric Reliability Council of Texas, Inc. (ERCOT) Board of Directors (Board) deems it desirable and in ERCOT's best interest to approve the following NPRRs:

- NPRR097, Changes to Section 8, Performance Monitoring and Compliance (formerly titled "Changes to Section 8 to Incorporate Role of TRE, the IMM, and the Concept of Market Compliance")
- NPRR114, Section 11, Synchronization of Zonal Protocols
- NPRR127, Section 22 Attachments A, I, J & M, Synchronization of Zonal Protocols
- NPRR132, Outage Clarification
- NPRR133, Addition of PSSE Format

THEREFORE be it RESOLVED, that the ERCOT Board hereby approves NPRR091, NPRR097, NPRR114, NPRR127, NPRR132, and NPRR133.

CORPORATE SECRETARY'S CERTIFICATE

I, Michael G. Grable, Corporate Secretary of ERCOT, a Texas non-profit corporation, do hereby certify that, at its August 19, 2008 meeting, the ERCOT Board passed a motion approving the above Resolution by a vote of _____.

IN WITNESS WHEREOF, I have hereunto set my hand this ____ day of _____, 2008.

Michael G. Grable
Corporate Secretary