

A. Introduction

- 1. Title:** Documentation and Content of Each Regional Transmission Reliability Margin Methodology
- 2. Number:** MOD-008-0
- 3. Purpose:** To promote the consistent application of transmission Transfer Capability margin calculations among Transmission Service Providers and Transmission Owners, each Regional Reliability Organization shall develop a methodology for calculating Transmission Reliability Margin (TRM). This methodology shall comply with the NERC definition for TRM, the NERC Reliability Standards, and applicable Regional criteria.
- 4. Applicability:**
 - 4.1.** Regional Reliability Organization
- 5. Effective Date:** April 1, 2005

B. Requirements

- R1.** Each Regional Reliability Organization, in conjunction with its members, shall develop and document a Regional TRM methodology. The Region's TRM methodology shall specify or describe each of the following five items, and shall explain its use, if any, in determining TRM values. Other items that are Region-specific or that are considered in each respective Regional methodology shall also be explained along with their use in determining TRM values.
- R1.1.** Specify the update frequency of TRM calculations.
- R1.2.** Specify how TRM values are incorporated into Available Transfer Capability calculations.
- R1.3.** Specify the uncertainties accounted for in TRM and the methods used to determine their impacts on the TRM values. Any component of uncertainty, other than those identified in MOD-008-0_R1.3.1 through MOD-008-0_R1.3.7, shall benefit the interconnected transmission systems as a whole before they shall be permitted to be included in TRM calculations. The components of uncertainty identified in MOD-008-0_R1.3.1 through MOD-008-0_R1.3.7, if applied, shall be accounted for solely in TRM and not CBM.
- R1.3.1.** Aggregate Load forecast error (not included in determining generation reliability requirements).
- R1.3.2.** Load distribution error.
- R1.3.3.** Variations in facility Loadings due to balancing of generation within a Balancing Authority Area.
- R1.3.4.** Forecast uncertainty in transmission system topology.
- R1.3.5.** Allowances for parallel path (loop flow) impacts.
- R1.3.6.** Allowances for simultaneous path interactions.
- R1.3.7.** Variations in generation dispatch.
- R1.3.8.** Short-term System Operator response (Operating Reserve actions not exceeding a 59-minute window).

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- R1.4.** Describe the conditions, if any, under which TRM may be available to the market as Non-Firm Transmission Service.
- R1.5.** Describe the formal process for the Regional Reliability Organization to grant any variances to individual Transmission Service Providers from the Regional TRM methodology.
- R2.** The Regional Reliability Organization shall make its most recent version of the documentation of its TRM methodology available on a web site accessible by NERC, the Regional Reliability Organizations, and transmission users.

C. Measures

- M1.** The Regional Reliability Organization's most recent version of the documentation of its TRM methodology is available on a website accessible by NERC, the Regional Reliability Organizations, and transmission users.
- M2.** The Regional Reliability Organization's most recent version of the documentation of its TRM contains all items in Reliability Standard MOD-008-0_R1.

D. Compliance

1. Compliance Monitoring Process

1.1. Compliance Monitoring Responsibility

Compliance Monitor: NERC.

1.2. Compliance Monitoring Period and Reset Timeframe

Each Regional Reliability Organization shall report compliance and violations to NERC via the NERC Compliance Reporting process.

1.3. Data Retention

None specified.

1.4. Additional Compliance Information

None.

2. Levels of Non-Compliance

2.1. Level 1: The Regional Reliability Organization's documented TRM methodology does not address one of the five items required for documentation under Reliability Standard MOD-008-0_R1.

2.2. Level 2: Not applicable.

2.3. Level 3: Not applicable.

2.4. Level 4: The Regional Reliability Organization's documented TRM methodology does not address two or more of the five items required for documentation under Reliability Standard MOD-008-0_R1.

Or

The Regional Reliability Organization does not have a documented TRM methodology.

E. Regional Differences

- 1.** None identified.

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Version History

Version	Date	Action	Change Tracking
0	April 1, 2005	Effective Date	New