

A. Introduction

1. **Title:** **Development of Steady-State System Models**
2. **Number:** MOD-014-0
3. **Purpose:** To establish consistent data requirements, reporting procedures, and system models to be used in the analysis of the reliability of the interconnected transmission systems.
4. **Applicability:**
 - 4.1. Regional Reliability Organization
5. **Effective Date:** April 1, 2005

B. Requirements

- R1. The Regional Reliability Organization(s) within each Interconnection shall coordinate and jointly develop and maintain a library of solved (converged) Interconnection-specific steady-state system models. The Interconnection-specific models shall include near- and longer-term planning horizons that are representative of system conditions for projected seasonal peak, minimum, and other appropriate system demand levels.
- R2. The Regional Reliability Organization(s) within each Interconnection shall coordinate and jointly develop steady-state system models annually for selected study years, as determined by the Regional Reliability Organizations within its Interconnection. The Regional Reliability Organization shall provide the most recent solved (converged) Interconnection-specific steady-state models to NERC in accordance with each Interconnection’s schedule for submission.

C. Measures

- M1. Each Regional Reliability Organization shall have Interconnection-specific steady-state system models as specified in MOD-014-0_R1 and MOD-014-0_R2.

D. Compliance

1. **Compliance Monitoring Process**
 - 1.1. **Compliance Monitoring Responsibility**

Compliance Monitor: NERC.
 - 1.2. **Compliance Monitoring Period and Reset Timeframe**

Development of steady-state system models: annually, as determined by each Interconnection’s schedule.

Most recent steady-state system models: 30 calendar days.
 - 1.3. **Data Retention**

None specified.
 - 1.4. **Additional Compliance Information**

None.

2. Levels of Non-Compliance

- 2.1. Level 1:** One of a Regional Reliability Organization’s cases either was not submitted by each Interconnection’s data submission deadlines, or was submitted by the data submission deadline but was not fully solved/initialized or had other identified errors, or corrections were not submitted by the correction submittal deadline.
- 2.2. Level 2:** Two of a Regional Reliability Organization’s cases were either not submitted by each Interconnection’s data submission deadlines, or were submitted by the data submission deadline but were not fully solved/initialized or had other identified errors, or corrections were not submitted by the correction submittal deadline (or a combination thereof).
- 2.3. Level 3:** Three of a Regional Reliability Organization’s cases were either not submitted by each Interconnection’s data submission deadlines, or were submitted by the data submission deadline but were not fully solved/initialized or had other identified errors, or corrections were not submitted by the correction submittal deadline (or a combination thereof).
- 2.4. Level 4:** Four or more of a Regional Reliability Organization’s cases were either not submitted by each Interconnection’s data submission deadlines, or were submitted by the data submission deadline but were not fully solved/initialized or had other identified errors, or corrections were not submitted by the correction submittal deadline (or a combination thereof).

E. Regional Differences

- 1. None identified.

Version History

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