A. Introduction

1. Title: **Development of Dynamics System Models**

2. Number: MOD-015-0

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 initialized (with no Faults or system Disturbances) Interconnection-specific dynamics system models linked to the steadystate system models, as appropriate, of Reliability Standard MOD-014-0_R1.

R1.1. R1.1. The Regional Reliability Organization(s) shall develop Interconnection specific dynamics system models for at least two timeframes (present or near-term model and a future or longer-term model), and additional seasonal and demand level models, as necessary, to analyze the dynamic response of that Interconnection.

R2. The Regional Reliability Organization(s) within each Interconnection shall develop Interconnection dynamics system models for their Interconnection annually for selected study years as determined by the Regional Reliability Organization(s) within each Interconnection and shall provide the most recent initialized (approximately 25 seconds, no-fault) models to NERC in accordance with each Interconnection's schedule for submission.

C. Measures

M1. The Regional Reliability Organization shall have Interconnection-specific dynamics system models in accordance with Reliability Standard MOD-015-0 Requirement 1 and MOD-015-0 Requirement 2.~~ and MOD-015-0_R3~~

D. Compliance

1. Compliance Monitoring Process

1.1. Compliance Monitoring Responsibility

Compliance Monitor: NERC.

1.2. Compliance Monitoring Period and Reset Time Frame

Development of dynamics system models: annually in accordance with each Interconnection's schedule.

Most recent dynamics 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 was either 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.

Version History

Version	Date	Action	Change Tracking
0	April 1, 2005	Effective Date	New
0	April 1, 2005	Corrected typo in Section M1. — removed reference to Requirement 3.	January 26, 2007