

NYISO Self-Certification

Description:

NYSRC Reliability Rule Reference (No. and Name)

B.1: Transmission System Planning Performance Requirements

NYSRC Requirement(s) for which compliance is being self-certified

R1. Transmission facilities in the *NYS Bulk Power System* shall be planned to meet the respective performance requirements in Table B-1 and supplemental performance requirements in Table B-2 for the *contingency* events as specified in Table B-1.

R1.1. Credible combinations of system conditions which stress the system shall be modeled, including load forecast, internal *NYCA* and inter-Area and transfers, transmission configuration, active and reactive *resources*, generation availability, and other dispatch scenarios. All reclosing facilities shall be assumed in service unless it is known that such facilities will be rendered inoperative.

R2. The impact of the extreme *contingency* events listed in Table B-3 shall be assessed.

R3. Extreme System Conditions, events that have a low probability of occurrence, shall be assessed, one condition at a time, to determine the impact of these conditions on expected *steady-state* and dynamic system performance. These assessments shall provide an indication of system robustness or the extent of a widespread adverse system response. The conditions to be assessed are listed in the “Extreme System Conditions” category in Table B-3.

R4. *Fault duty* levels shall be planned to be within appropriate equipment *ratings*. *Fault duty* levels shall be determined with all generation and all transmission facilities in service.

R4.1 Determination of *fault duty* levels shall be with due regard to *fault* current limiting series reactor protocols.

Compliance Monitoring Process

Compliance Monitoring Responsibility:

- M1: RCMS

Compliance Documentation Reporting Frequency:

- M1: In accordance with *NYSRC* Compliance Monitoring Program schedules.

Compliance Reporting Requirements:

- M1: *NYISO* Self-Certification

Measure No.

<input checked="" type="checkbox"/> Full Compliance	M1. The NYISO shall maintain procedures for implementing the transmission planning criteria in R1 to through R4.
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Levels of Non-Compliance

<input type="checkbox"/> Level 1	M1. Not applicable
<input type="checkbox"/> Level 2	M1. Not applicable
<input type="checkbox"/> Level 3	M1. Not applicable.
<input type="checkbox"/> Level 4	M1. The <i>NYISO</i> did not maintain procedures for implementing the transmission planning criteria in R1 through R4, in accordance with M1.

R1. The Area Transmission Review (ATR) evaluates the performance of the NYS Bulk Power System (BPS) transmission facilities against the respective performance requirements in Table B-1 and supplemental performance requirements in Table B-2 for the contingency events specified in Table B-1. In 2018 the NYISO performed an Intermediate ATR. The results of the 2018 Intermediate ATR conclude that the planned system conditions (which include credible combinations of system conditions which stress the system) conform to the established criteria.

R2 & R3. The Area Transmission Review (ATR) evaluates the performance of the NYS Bulk Power System (BPS) transmission facilities against the respective performance requirements in Table B-1 and supplemental performance requirements in Table B-2 for the contingency events specified in Table B-1. In 2018 the NYISO performed an Intermediate ATR. The results of the 2018 Intermediate ATR conclude that the planned system conditions (which include credible combinations of system conditions which stress the system) conform to the established criteria. The impact of extreme contingency events listed in Table B-3 are assessed in the ATR.

Certified by: K. Burrell

Title: Manager, Transmission Studies

Date: February 21, 2019