

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: M1: *NYISO* Self-Certification

Measure No.

<input checked="" type="checkbox"/> Full Compliance	M1. The <i>NYISO</i> 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 R1 through 4, in accordance with M1.

Notes:

R.1 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 2020 the *NYISO* performed a Comprehensive ATR. The analysis in the 2020 Comprehensive ATR indicates that the New York State Bulk Power Transmission Facilities, as planned through the year 2025, require corrective action plans to conform to the reliability criteria. As the identified reliability issues are the same as those observed in the 2020 RNA, the corrective action plan to achieve conformance with the applicable reliability criteria is to obtain solutions to the observed criteria violations through the Reliability Planning Process.

R.2 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 2020 the *NYISO* performed a Comprehensive ATR. The analysis in the 2020 Comprehensive ATR indicates that the New York State Bulk Power Transmission Facilities, as planned through the year 2025, require corrective action plans to conform to the reliability criteria. As the identified reliability issues are the same as those observed in the 2020 RNA, the corrective action plan to achieve conformance with the applicable reliability criteria is to obtain solutions to the observed criteria violations through the Reliability Planning Process. The impact of extreme contingency events listed in Table B-3 are assessed in the ATR.

R.3 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 2020 the *NYISO* performed a Comprehensive ATR. The analysis in the 2020 Comprehensive ATR indicates that the New York State Bulk Power Transmission Facilities, as planned through the year 2025, require corrective action plans to conform to the reliability criteria. As the identified reliability issues are the same as those observed in the 2020 RNA, the corrective action plan to achieve conformance with the applicable reliability criteria is to obtain solutions

to the observed criteria violations through the Reliability Planning Process. The impact of extreme system conditions on steady state and dynamics system performance in Table B-3 are assessed in the ATR.

R.4 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 2020 the NYISO performed a Comprehensive ATR. The analysis in the 2020 Comprehensive ATR indicates that the New York State Bulk Power Transmission Facilities, as planned through the year 2025, require corrective action plans to conform to the reliability criteria. As the identified reliability issues are the same as those observed in the 2020 RNA, the corrective action plan to achieve conformance with the applicable reliability criteria is to obtain solutions to the observed criteria violations through the Reliability Planning Process. As documented in the ATR, the fault duty levels are planned to be within appropriate equipment ratings. For the fault current assessment current limiting series reactor protocols are respected.

Certified by: K. Burrell

Title: Manager, Transmission Studies

Date: March 04, 2021