

# 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.

Full Compliance

**M1.** The NYISO shall maintain procedures for implementing the transmission planning criteria in R1 to through R4

## Levels of Non-Compliance

___ Level 1	<b>M1:</b> Not applicable.
___ Level 2	<b>M1:</b> Not applicable.
___ Level 3	<b>M1:</b> Not applicable.
___ Level 4	<b>M1:</b> The <i>NYISO</i> did not maintain procedures for implementing the transmission planning criteria R1 through 4, in accordance with M1.

### Reliability Rule B.1 (R1 – R4) Narratives:

**B.1 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. The 2023 ATR was completed at an interim level. The most recent comprehensive ATR was the 2020 ATR. As the results of the 2023 interim ATR indicate, the planned bulk power transmission facilities, as planned through 2023, conform to the established criteria. This includes evaluations of credible combinations of system conditions which stress the system.

**B.1 R2:** 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 2023 the NYISO performed an interim ATR which was approved by the NPCC Reliability Coordinating Council (RCC) in December 2023 as well as the NYSRC in December 2023. An interim ATR covers all of the elements of a comprehensive ATR, but the analysis may be limited to addressing only significant issues, considering the extent of the system changes. The most recent comprehensive ATR was performed in 2020 and was approved by the NPCC RCC in May 2021 and the NYSRC in June 2021. The assessment performed in the 2023 interim ATR indicates that the planned New York State BPTF, as planned through the year 2028, conform to the established criteria. The impact of extreme contingency events listed in Table B-3 are assessed in the ATR.

**B.1 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 2023 the NYISO performed an interim ATR which was approved by the NPCC Reliability Coordinating Council (RCC) in December 2023 as well as the NYSRC in December 2023. An interim ATR covers all of the elements of a comprehensive ATR, but the analysis may be limited to addressing only significant issues, considering the extent of the system changes. The most recent comprehensive ATR was performed in 2020 and was approved by the NPCC RCC in May 2021 and the NYSRC in June 2021. The assessment performed in the 2023 interim ATR indicates that the planned New York State BPTF, as planned

through the year 2028, conform to the established criteria. The impact of extreme system conditions on steady state and dynamics system performance in Table B-3 are assessed in the ATR.

**B.1 R4:** 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 2023 the NYISO performed an interim ATR which was approved by the NPCC Reliability Coordinating Council (RCC) in December 2023 as well as the NYSRC in December 2023. An interim ATR covers all of the elements of a comprehensive ATR, but the analysis may be limited to addressing only significant issues, considering the extent of the system changes. The most recent comprehensive ATR was performed in 2020 and was approved by the NPCC RCC in May 2021 and the NYSRC in June 2021. The ATR evaluates the fault duty levels of the NYS Bulk Power System (BPS) transmission facilities against appropriate equipment ratings. Fault duty levels are determined with all generation and all transmission facilities in service. 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:** Alison Stuart

**Title:** Manager, Reliability Studies

**Date:** February 29, 2024