

B.5: Establishing New York Control Area (NYCA) Interconnection Standards for Large Inverter Based Resource (IBR) Generating Facilities

A. Reliability Rule

NYISO's *Interconnection Studies for Large (>20 MW) IBR Generating Facilities* shall be based on IBR Plants compliant with the IEEE 2800-2022 Standard as amended for NYCA application, and their associated IBR models and data.

1. Associated NERC and NPCC Standards and Criteria:

NPCC: Directory 1

NERC: All Standards under review for IBR application

IEEE: Standard 2800-2022 "IEEE Standard for Interconnection and Interoperability of Inverter-Based Resources (IBRs) Interconnecting with Associated Transmission Electric Power Systems"

2. Applicability: NYISO's *Interconnection Studies of Large IBR Generating Facilities*

B. Requirements

R1. The NYISO shall prepare and maintain procedures for the NYISO's *Interconnection Studies* process requiring that *Large IBR Generating Facility Developers*:

R1.1. Attest that their IBR plant will be designed to be in compliance with the mandatory requirements of IEEE 2800-2022, as amended by "NYSRC Procedure for Application of IEEE 2800-2022 Standard for Large IBR Generating Facilities for the New York Control Area¹".

R1.2. Attest that the models and data provided for use in NYISO's *Interconnection Studies* accurately simulate the performance of their compliant IBR plant per R1.1.

R2. Each *Large IBR Generating Facility Developer* subject to the NYISO's *Interconnection Studies* process shall:

¹ Error! Reference source not found.

R2.1. Attest that their IBR plant will be designed to be in compliance with the mandatory requirements of IEEE 2800-2022, as amended by "NYSRC Procedure for Application of IEEE 2800-2022 Standard Generating Facilities for the New York Control Area³".

R2.2. Attest that the models and data provided for use in NYISO's *Interconnection Studies* accurately simulate the performance of their compliant IBR plant per R2.1.

C. Compliance

1. Measures

M1. The NYISO self-certified and provided evidence that it had procedures in place for implementing the Large IBR Generating Facility Developer's interconnection requirements in accordance with R1.1 and R1.2

M2. The NYISO certified that each Large IBR Generating Facility Developer attested to 1) the IEEE 2800-2022 compliance requirements in R2.1, and 2) the accuracy of the models and data provided as required by R2.2.

2. Levels of Non-Compliance

2.1 Measure 1:

Level 1: Not applicable.

Level 2: Not applicable.

Level 3: The NYISO had procedures covering requirement R1.1 but failed to have procedures for requirement R1.2.

Level 4: Not applicable.

2.2 Measure 2:

Level 1: Not applicable.

Level 2: Not applicable.

Level 3: The NYISO certified that the required attestation was not submitted to the NYISO in accordance with R.2.1 and R.2.2.

Level 4: Not applicable.

3. Compliance Process

3.1 Compliance Monitoring Responsibility

- M1: RCMS
- M2: NYISO/RCMS

3.2 Compliance Documentation Reporting Frequency

- M1: In accordance with NYSRC compliance program schedules.
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3.3 Compliance Reporting Requirements

- M1: NYISO Self-Certification plus, if requested, reference to documents that show the required procedure in R1.M2: NYISO Certification that IBR Developers provided data, models and attestations as required in R2.