

NYISO Certification

Description:

NYSRC Reliability Rule Reference (No. and Name)

F.1: NYCA System Restoration Plan

NYSRC Requirement(s) for which compliance is being certified

R3. Each *Black Start Provider* shall develop and implement appropriate test procedures in accordance with R1, R2, and *NYISO* requirements and procedures to ensure those *black start facilities* that are included in the *NYISO's* and *Transmission Owner's* SRPs are able to perform their intended functions. These *black start* testing requirements shall include:

- R3.1.** Each *black start facility* shall be tested annually. The *NYISO* shall determine the number of units within a *black start facility* that shall be tested annually.
- R3.2.** Each *black start* unit shall test the ability to start with no support from the transmission system or when designed to remain energized without connection to the remainder of the System.
- R3.3.** Each *black start* unit shall test the ability to energize its transmission bus. If it is not possible to energize its transmission bus during the test, the testing facility must affirm that the unit has the capability to energize its transmission bus such as verifying that the breaker close coil relay can be energized with the voltage and frequency monitor controls disconnected from the synchronizing circuits.
- R3.4.** Each *black start unit* shall be tested such that once the unit has been started, it shall continue to demonstrate its capability to operate in a stable condition while isolated from the power system for a minimum of ten minutes.
- R3.5.** With due regard for *reliability* considerations and subject to approval by the *Transmission Owner* and the *NYISO*, a test performed by *black start facilities* in the *Transmission Owner's* SRP within one month beyond the *Capability Year* test period, or longer in force majeure cases, shall be considered a valid test for that *Capability Year*. Each *Black Start Provider*

shall provide documentation of these test results to the appropriate entity in accordance with *NYISO* and *Transmission Owner* procedures.

R3.6. Each *Black Start Provider* shall annually provide a letter to the *NYISO* confirming that it identifies and maintains a list of critical components in its facilities (i.e., batteries, diesel back-up generators, inverters etc.) and performs tests to verify the condition of these critical components in accordance with good industry practice. Test results will be provided to the *NYISO* upon request.

R3.7. *Black Start Providers* shall attend *NYISO* and *Transmission Owner* restoration training as required.

Compliance Monitoring Process

Compliance Monitoring Responsibility:

- M3: *NYISO/RCMS*

Compliance Documentation Reporting Frequency:

- M3: Annually

Compliance Reporting Requirements:

- M3: *NYISO* Certification of *Black Start Provider* Compliance

Measure No.

<p><input checked="" type="checkbox"/> Full Compliance</p>	<p>M3. As defined in R1 and R3, the <i>NYISO</i> certified that for the <i>Capability Year</i> specified by the <i>NYSRC</i>: (1) it received the annual letter from each <i>Black Start Provider</i> confirming that it maintained a list of critical components and tests these components accordingly, in accordance with R3.3, (2) it received sufficient documentation from each <i>Black Start Provider</i> showing that the <i>Black Start Provider</i> developed required test procedures and accordingly successfully tested its black start facilities for each <i>Capability Year</i>, in accordance with R3.1, and (3) each <i>Black Start Provider</i> met <i>NYISO</i> training requirements, in accordance with R3.4.</p>
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Levels of Non-Compliance

<p>___ Level 1</p>	<p>M3. N/A</p>
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___ Level 2	M3. The <i>NYISO</i> certified that, for the <i>Capability Year</i> specified by the <i>NYSRC</i> , one or more <i>Black Start Providers</i> did not address one or more of the testing requirements in their test procedures as specified in R1.3.
___ Level 3	M3. The <i>NYISO</i> certified that, for the <i>Capability Year</i> specified by the <i>NYSRC</i> , one or more <i>Black Start Providers</i> did not provide a letter to the <i>NYISO</i> satisfying required testing of critical facility components, OR The <i>NYISO</i> certified that one or more <i>Black Start Providers</i> failed to attend restoration training as required by the <i>NYISO</i> or <i>Transmission Owner</i> .
___ Level 4	M3. The <i>NYISO</i> certified that, for the <i>Capability Year</i> specified by the <i>NYSRC</i> , one or more <i>Black Start Providers</i> did not comply with black start facility testing requirements in accordance with R1, R2, R3, and <i>NYISO</i> or <i>Transmission Owner</i> procedures or schedules.

The testing procedures for black start facilities are specified in the NYISO System Restoration Manual, Section 3.1.3 through 3.1.5, and 6.3.

For NYISO black start facilities, NYPA provided a verification and documentation letter in 2018.

For Con Edison, black start facilities the Generator Owners provided verification and documentation letters in 2018.

2018 NYPA Black Start Operators Attending Training provides evidence of black start operators attending NYISO restoration training. The NYSRC_ Rule_F_TO_Certification provides evidence that each Black Start Provider attended TO restoration training in 2018.

Certified by: D. Mahlmann

Title: Manager, Operations Engineering

Date: November 22, 2018