

Request to Develop or Modify Reliability Rules (NYSRC Policy No. 1-4)
 Submit request to raymond40@aol.com via the NYSRC site www.nysrc.org

Item	Response
1. Respondent	
Name	Brad Garrison and Kathy Whitaker
Organization	New York ISO
Address	
Phone & Fax numbers	518-356-7624
Email address	bgarrison@nyiso.com
2. Title of proposed rule change & PRR No.	Verification Testing of Resource Capacity (PRR 104)
3. New rule or modification of NYSRC RR?	
If a new rule is proposed, provide any relevant citation to existing standards	
If a modification to an existing rule is proposed, provide NYSRC RR reference	Revisions to Measurements C-M1 and C-M3.
4. Wording of proposed rule change	N/A
5. Rationale for proposed rule change	
Identify advantages	The change will provide flexibility for NYISO and Transmission Owner system operators in scheduling tests. The system resources needed for annual testing will also be reduced. Leading reactive power capability for a generator does not change significantly over time, so less frequent tests will still provide adequate data. The proposed modifications of C-M1 and C-M3 remain within the requirements of NPCC Directory 10, which allows up to five years between lagging reactive power tests and up to five years between leading reactive power tests.
Identify disadvantages	There may be a reduced amount of leading reactive power data available on generators participating in voltage support services.

<p>6. Measurement(s)</p>	<p>C-M1</p> <p>The NYISO shall establish and maintain procedures for resource capacity data verification testing or demonstration for all equipment utilized for providing installed capacity and reactive power capacity to the NYCA.</p> <p>The data to be provided to the NYISO shall include resource net dependable capacity for all resources that are participating in the NYISO installed capacity market, and reactive power capacity for all resources that are voltage support ancillary service providers. The procedures shall include requirements for resource providers to provide to the NYISO the net MW at the time of the DMNC test, and the net MW and gross MVA_r quantities taken simultaneously at the time of the reactive power capability test. These reactive power tests shall be undertaken for both leading and lagging reactive power operation.</p> <p><u>NYISO procedures shall further require that generation equipment owners perform leading reactive power tests once every three calendar years and lagging reactive power tests once every calendar year for all generators that are voltage support ancillary service providers. These tests shall verify the maximum reactive power capacity offered into the voltage support service program. The AVR shall be in service at all times during the test.</u></p> <p>The resource capacity test results reported to the NYISO shall include the actual test date(s) for each generator and the MW output at the time of the test.</p> <p><u>In addition, NYISO procedures shall include a requirement that each generation equipment owner annually provide a letter to the NYISO certifying that the data submitted for the leading reactive power test accurately demonstrates the maximum leading reactive power of the generator.</u></p> <p>The NYISO shall provide dependable net capacity and gross reactive power capacity data to the operating function of the Transmission Owner that the resource connects to, within 60 calendar days following the close of the seasonal capability period or annual test period, respectively. Documentation of the NYISO procedures and verification results shall be provided to the NYSRC upon request.</p> <p>C-M3</p> <p>Generation equipment owners shall annually perform <u>lagging reactive power</u> tests for all generators that are voltage support ancillary service providers. <u>Generation equipment owners shall perform leading reactive power tests once every three calendar years for all generators that are voltage support ancillary service providers. These tests shall verify the maximum reactive power capacity offered into the voltage support service program.</u> Test results shall be reported to the NYISO, in accordance with NYISO procedures and schedules as required in Measurement C-M1.</p>
<p>7. Full Compliance Statement – C-M1 & C-M3</p>	<p>No Changes</p>
<p>8. Levels of Non-Compliance – C-M1 & C-M3</p>	<p>No Changes</p>

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Level 1	
Level 2	
Level 3	
Level 4	
9A. Compliance Documentation Reporting Entity – C-M1	NYISO
10A. Compliance Monitoring Entity – C-M1	Review of NYISO compliance documentation – RCMS
9B. Compliance Documentation Reporting Entities – C-M3	Generation Equipment Owners
10B. Compliance Monitoring Entity/Entities – C-M3	1. Review of Generation Equipment Owner compliance documentation – NYISO 2. Review of NYISO compliance certification – RCMS
11. Implementation Plan	This rule shall be implemented by May 1, 2011, the beginning of the 2011 voltage support service program test period. This will allow sufficient time for corresponding changes to the Ancillary Services Manual to be approved by NYISO committees.
12. Comments	
13. Date Rule/Measurement Adopted	
14. PRR Revision Dates	5/7/10, 5/8/10, 5/9/10, 5/25/10, 8/4/10, 8/6/10, 8/12/10, 8/16/10