

**Request to Develop or Modify Reliability Rules (NYSRC Policy No. 1-3)**

Submit request to [raymond40@aol.com](mailto:raymond40@aol.com) via the NYSRC site [www.nysrc.org](http://www.nysrc.org)

Item	Response
<b>1. Respondent</b>	
Name	Reliability Compliance Monitoring Subcommittee (RCMS)
Organization	NYSRC
Address	
Phone & Fax numbers	
Email address	
<b>2. Title of proposed rule change</b>	<b>C-R1: Verification Testing of Resource Capacity (PRR #73)</b>
<b>3. New rule or modification of NYSRC RR?</b>	
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	C-R1, C-M1, C-M2, C-M3
<b>4. Wording of proposed rule change</b>	<b>C-R1:</b> Equipment used for providing resource capacity shall be tested to verify capacity data.
<b>5. Rationale for proposed rule change</b>	
Identify advantages	To ensure sufficient reactive power for voltage support during major emergencies. Precise knowledge of all generators' VAR capability is essential in ensuring adequate voltage support and electric system reliability. The modified Measurements and Compliance Elements are consistent with the new NYSRC compliance responsibility policy.
Identify disadvantages	
<b>6. Measurement(s)</b>	<b>C-M1:</b> 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.  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 net MVA <sub>r</sub> 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. The resource capacity data shall include the actual test date(s) for each generator.  The NYISO shall provide dependable net capacity and 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 capability period. Documentation of the NYISO procedures and verification results shall be provided to the NYSRC upon request.

	<p><b>C-M2:</b> Owners of resources responsible for providing ICAP shall verify the net dependable capacity of their equipment and report these results to the NYISO in accordance with NYISO procedures and schedules as required in Measurement C-M1.</p> <p><b>C-M3:</b> Generation equipment owners shall annually perform tests for all generators that are voltage support ancillary service providers to verify the reactive power capacity of their generators and report test results to the NYISO, in accordance with NYISO procedures and schedules as required in Measurement C-M1.</p>
<b>7A. Full Compliance Statement</b> for Measurement C-M1	The NYISO shall establish and maintain resource capacity verification procedures in accordance with Measurement C-M1. The schedule for the testing of generation equipment and the schedule for submission of the verification or tests to the NYISO shall be included in these NYISO procedures. The dependable net capacity and reactive capacity data shall be forwarded to the operating function of the Transmission Owner in accordance with time requirements specified in C-M1.
<b>8A. Levels of Non-Compliance</b>	
<b>Level 1</b>	Not applicable.
<b>Level 2</b>	Documentation of NYISO procedures for resource capacity equipment testing was incomplete in one or more areas.
<b>Level 3</b>	The NYISO did not provide capacity data to the Transmission Owners within the time requirements specified in Measurement C-M1.
<b>Level 4</b>	Documentation of NYISO procedures for resource capacity equipment testing was not provided.
<b>7B. Full Compliance Statement</b> for Measurement C-M2	<i>Replaces existing full compliance statement:</i> The NYISO certifies that all applicable generation owners responsible for providing ICAP verified the net dependable capacity of their equipment and reported these results to the NYISO as specified by NYISO procedures and schedules under Measurement C-M1, in accordance with Measurement C-M2.
<b>8B. Levels of Non-Compliance</b>	<i>Replaces existing non-compliance statements:</i>
<b>Level 1</b>	The NYISO certified that one or more generation owners failed to submit test results to the NYISO on schedule.
<b>Level 2</b>	The NYISO certified that dependable net capacity verification testing reports were incomplete in one or more areas for one or more generation owners, as specified by NYISO procedures.
<b>Level 3</b>	Not applicable.
<b>Level 4</b>	The NYISO certified that verification tests of resource capacity net dependable capacity was either not completed, or testing results not provided to the NYISO, as specified by NYISO procedures and schedules, for one or more generator owners.
<b>7C. Full Compliance Statement</b> for Measurement C-M3	<i>Replaces existing full compliance statements:</i> The NYISO certifies that all applicable generation owners performed tests to verify the reactive power capacity for their generators, and reported these test results to the NYISO as specified by NYISO procedures and schedules under

	Measurement C-M1, in accordance with Measurement C-M3.
<b>8C. Levels of Non-Compliance</b>	<i>Replaces existing non-compliance statements:</i>
<b>Level 1</b>	The NYISO certified that one or more generation owners failed to submit test results to the NYISO on schedule.
<b>Level 2</b>	The NYISO certified that generator reactive power capacity verification testing reports were incomplete in one or more areas for one or more generator owners, as specified by NYISO procedures.
<b>Level 3</b>	Not applicable.
<b>Level 4</b>	The NYISO certified that generator reactive power capacity verification tests was either not completed, or testing results not provided to the NYISO, as specified by NYISO procedures and schedules, for one or more generator owners.
<b>9. Responsible Entity</b>	Measurements C-M1, C-M2, and C-M3: NYISO
<b>10. Compliance Monitoring Entity</b>	Measurements C-M1, CM-2 and C-M3: RCMS
<b>11. Implementation Plan</b>	
<b>12. Comments</b>	
<b>13. Date of Submission</b>	6/20/05, 6/30/05, 7/9/05, 8/12/05