

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	NYSRC Reliability Rules Subcommittee
Organization	
Address	
Phone & Fax numbers	
Email address	
2. Title of proposed rule change & PRR No.	
	Generating Unit Availability (PRR #101)
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	C-R2, C-M4, C-M5, and C-M6
4. Wording of proposed rule change	
	<p>C-R2:</p> <p><u>Accurate generating unit outage data needed to analyze and model the reliability of the NYCA shall be collected and maintained.</u></p> <p>Resource availability data required for the analysis of the reliability of the NYCA shall be collected and maintained. Data shall include forced, partial, and maintenance outage and load response statistics for resources located in/or serving the NYCA, covering an appropriate historical period.</p>
5. Rationale for proposed rule change	
Identify advantages	These Reliability Rule C-R2 and Measurement C-M4, C-M5 and C-M6 modifications will clarify and make more specific requirements for reporting generating unit outage data to the NYISO and review of the data after it has been received, for the purpose of ensuring the quality of data that is available for reliability studies.
Identify disadvantages	None.
6. Measurements	
	<p>C-M4:</p> <p>The NYISO shall establish and maintain procedures and schedules for reporting of outage and load response data to the NYISO for those ICAP resources, as well as energy only resources, serving the NYCA.</p> <p>The NYISO shall establish, maintain and follow procedures to address Installed Capacity Provider generating unit outage data reporting requirements and methods of processing outage data. These procedures shall be designed to provide complete, consistent and accurate data to support NYSRC and NYISO reliability studies. This data shall include, but not be limited to, forced, partial and maintenance outage statistics. NYISO outage data reporting and processing procedures shall include the following requirements:</p> <p style="text-align: center;"><u>Outage Data Reporting Procedure</u></p> <ol style="list-style-type: none"> 1. Installed Capacity Provider <u>generating unit</u> outage data reporting instructions. 2. Installed Capacity Provider outage data reporting

	<p>schedules.</p> <ol style="list-style-type: none"> 3. Training programs for Installed Capacity Providers that focus on proper <u>generating unit</u> outage data collection and reporting methods for submission of accurate data to the NYISO. 4. The consequences to an Installed Capacity Provider of failing to submit complete, accurate and timely data to the NYISO. <p><u>Outage Data Processing Procedures</u></p> <ol style="list-style-type: none"> 5. Due diligence NYISO processes for screening of all <u>generating unit</u> outage data received from Installed Capacity Providers. These processes shall be designed to screen outage data and replace misreported <u>outage data</u> or <u>Ssuspect Ddata</u> with corrected or proxy data as necessary, and shall be employed by the NYISO before the data is used into support NYSRC and NYISO reliability studies. On request by the NYSRC, the NYISO shall make available for inspection documentation covering its processes for reviewing and screening outage data. <p>The NYISO shall notify the NYSRC within five days after it determines that misreported and suspect <u>generating unit</u> outage data has been used in NYSRC or NYISO reliability studies.</p> <p>C-M5: Owners of resources located in or serving the NYCA shall provide to the NYISO accurate resource outage and load response data on a timely basis for their units in accordance with NYISO procedures, tariffs and schedules. Installed Capacity Providers located in or serving the NYCA shall provide complete and accurate <u>generating unit</u> outage data for their generating units in accordance with NYISO procedures, tariffs and schedules for reporting outage data to the NYISO.</p> <p>C-M6: The NYISO shall annually prepare, from <u>generating unit</u> outage and load response data received under C-M5, a document depicting outage and load response data <u>statistics to be specified by the applicable to reliability analysis, recognizing applicable confidentiality requirements.</u> The report shall include statewide resource class statistics, averaged for an appropriate historical period. NYSRC, and submitted in accordance with NYSRC time schedules.</p>
	<p><i>Note: The compliance elements in lines 7 and 8 below are intended to replace existing C-M4, C-M5, and C-M6 compliance elements.</i></p>
<p>7A. Full Compliance Statement – <u>C-M4</u></p>	<p>The NYISO shall have documentation of its generating unit outage data reporting procedures (Requirements 1-4) and outage data processing procedures (Requirement 5), as specified in Measurement C-M4. The NYISO shall make available, on request, documentation describing its <u>generating unit</u> outage data processes. The NYISO shall provide documentation showing that it has employed its <u>generating unit</u> outage data processes for review and screening of all reported outage data, <u>and</u> corrected <u>of misreported outage data or developed proxy</u></p>

	<p>data, as necessary, Suspect Data, before the data is used to support provided for used in NYSRC and NYISO reliability studies.</p> <p>The NYISO shall notify the NYSRC within five days after it determines misreported outage data has been used in NYSRC and NYISO reliability studies.</p>
8A. Levels of Non-Compliance – C-M4	
Level 1	NYISO generating unit outage data reporting and processing procedures were provided, but were incomplete relative to one of the five requirements defined in C-M4. Following a NYSRC request, the NYISO did not make available documentation describing its outage data processes.
Level 2	NYISO compliance documentation showed that not all reported generating unit outage data were reviewed and , screened and corrected using the NYISO generating unit outage data process procedure before the data was used to support provided for used in NYSRC and NYISO reliability studies, or the NYISO failed to notify the NYSRC within five days that misreported outage data was used in reliability studies.
Level 3	NYISO generating unit outage data reporting and processing procedures were provided, but were incomplete relative to two of the five C-M4 requirements defined in C-M4.
Level 4	NYISO generating unit outage data reporting and processing procedures were provided, but were incomplete relative to three or more of the five C-M4 requirements defined in C-M4.
7B. Full Compliance Statement – C-M5	
	The NYISO certifies that, during the time period designated by the NYSRC, all Installed Capacity Providers reported generating unit outage data in accordance with applicable NYISO procedures, tariffs and schedules. The NYISO further certifies that, during the same designated time period, outage data that was found by the NYISO to be misreported or suspect was corrected or replaced by proxy data, as necessary, before the data was used to support NYSRC and NYISO studies.
8B. Levels of Non-Compliance – C-M5	
Level 1	The NYISO certified that an Installed Capacity Provider failed to report its generating unit outage data in accordance with NYISO data reporting schedules.
Level 2	The NYISO certified that generating unit outage data from an Installed Capacity Provider was found to be misreported after the data was used in reliability studies.
Level 3	The NYISO certified that generating unit outage data from a single Installed Capacity Provider was found to be misreported two or more times over a two-year period, after the data was used in reliability studies.
Level 4	The NYISO certified that an Installed Capacity Provider did not report its generating unit outage data in accordance with applicable NYISO procedures and tariffs.
7C. Full Compliance Statement – C-M6	
	The NYISO shall annually prepare a document depicting NYCA generating unit outage statistics from outage data received from Installed Capacity Providers, as specified in Measurement C-M6. This document shall be submitted to the NYSRC in accordance with NYSRC time schedules.

8C. Levels of Non-Compliance – C-M6	
Level 1	Not applicable.
Level 2	The required document depicting NYCA generating unit outage statistics was not submitted to the NYSRC.
Level 3	Not applicable.
Level 4	Not applicable.
9. Responsible Entity	NYISO
10. Compliance Monitoring Entity	RCMS
11. Implementation Plan	<p>1. Documentation of <u>generating unit</u> outage data reporting procedures, in accordance with C-M4 Requirements 1-4, shall be submitted to RCMS by December 1, 2009.</p> <p>2. Documentation of <u>generating unit</u> outage data processing procedures, in accordance with C-M4 Requirement 5, shall be submitted to RCMS in 2010 (specific date to be later determined by RCMS). 3.</p> <p>A C-M5 compliance certification statement, covering a designated outage data reporting period, shall be submitted to RCMS by December 1, 2009.</p> <p><u>34.</u> A document depicting NYCA generating unit outage statistics, in accordance with C-M6 requirements, shall be submitted to RCMS and ICS by June 1, 2010.</p>
12. Comments	<p><u>A new term will be added to the NYSRC Glossary to define <i>Suspect Data</i>. “Suspect Data is data that does not meet the NYISO screening criteria and the accuracy of which has not been verified by the NYISO”.</u></p> <p><u>An “Outage Data Processing and IRM Study Roadmap” document is attached to illustrate the data review, screening and correction process.</u></p>
13. Date Rule/Masurement Adopted	
14. PRR Revision Dates	2/3/09, 2/5/09, 3/7/09, 4/9/09, 4/20/09, 4/24/09, 4/30/09, 5/26/09, <u>6/18/09, 6/30/09</u>

RR 101
OUTAGE DATA PROCESSING AND IRM STUDY ROADMAP

<u>MILESTONE</u>	<u>ACTION</u>	<u>REFERENCE</u>
<u>1</u>	<u>GOs report outage data to the NYISO.</u>	<u>C-M4.1; 4.2</u>
<u>2</u>	<u>NYISO AMO screens outage data and replaces misreported data or suspect data with corrected data or proxy data as necessary.</u>	<u>C-M4.5</u>
<u>3</u>	<u>AMO transmits screened outage data/EFORD's to NYISO Resource Planning for use in IRM studies.</u>	<u>NYISO procedure</u>
<u>4</u>	<u>Prior to conducting final base case IRM MARS study, Resource Planning screens MARS input data, including EFORD's, to ensure accuracy. Resource Planning revises data as necessary after consultation with ICS.</u>	<u>Policy 5, section 3.5.7</u>
<u>5</u>	<u>Resource Planning runs final IRM base case study in accordance with ICS requirements.</u>	<u>Policy 5, section 4.2</u>
<u>6</u>	<u>Base Case IRM and IRM report approved by the EC.</u>	<u>Policy 5, section 5</u>