

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	RCMS	
Organization		
Address		
Phone & Fax numbers		
Email address		
2. Title of proposed rule change & PRR No.	Monthly Operations Report – Measurement K-M2d (PRR #102)	
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	The revised Measurement K-M2d will incorporate modified versions of D-M1, D-M3, E-M2, E-M5, and F-M5, all of which will be retired.	
4. Wording of proposed rule change	No rule changes	
5. Rationale for proposed rule change		
Identify advantages	The K-M2d assessment that requires submission of monthly operations reports currently requires the reporting of information that is included in five separate measurements (see line 3). This PRR consolidates all of these requirements into one measurement, K-M2d.	
Identify disadvantages	none	
6. Measurement(s)	<p>Replace the present measurement K-M2d as follows (<i>For reference purposes, explanations of K-M2d requirement modifications are shown in italics.</i>):</p> <p>The NYISO shall provide a monthly operations report that</p>	<p><u>Present K-M2d and related measurements:</u></p> <p>The NYISO shall conduct, and provide to the NYSRC,</p>

	<p>provides data on the performance of the NYCA for the previous month, covering the following requirements:</p> <ol style="list-style-type: none"> 1. Occurrences of major emergency and alert states. <i>Same requirement as in present Measurement K-M2d.</i> 2. Summary of the NERC/NPCC Control Performance. <i>Same requirement as in present Measurement K-M2d.</i> 3. A list of NPCC Reportable Events. <i>Same requirement as in present Measurement K-M2d.</i> 4. Reserve requirements and actual reserves for the monthly peak load hour for all reserve categories (10 minute synchronized, 10 minute non-synchronized, and 30 minute operating reserves.) The report shall distinguish between supply and demand side resources. (D-R1 through D-R3) <i>The previous Measurement D-M1 requirement for reporting daily forecast and actual reserve statistics is replaced in Requirement 4 with reporting the actual reserve requirement against the reserves for the peak load hour. RCMS contends that reporting reserve information only for the peak hour provides sufficient confirmation that available resources were adequate to meet NYCA's forecasted load and operating reserve requirements for that operating month.</i> 5. The response of the system to activations of reserve, including: the number of occasions reserves were activated in the month, reasons for the reserve activations, number of occasions within the month in which the reserve activation did not result in an area control error ("ACE") zero crossing, number of non-zero crossings associated with a unit loss, and number of non-zero crossings requiring another reserve activation. (D-R4) <i>Measurement D-M3 requirements are revised in Requirement 5</i> 	<p>the following reliability assessments:</p> <p><u>K-M2d</u>. Monthly operating reports covering occurrences of major emergency and alert states, a summary of the NERC/NPCC Control Performance, a list of NPCC Reportable Events, and other indices identified by the NYSRC for monitoring the security of the system.</p> <p><u>D-M1</u>. The NYISO shall maintain statistics regarding daily forecasted and actual reserves, and shall report these statistics to the NYSRC on a monthly basis. The statistics shall include 10 minute synchronized, 10 minute non-synchronized, and 30 minute operating reserves. The report shall distinguish between supply and demand side resources and any locational operating reserves. (D-R1 through D-R3)</p> <p><u>D-M3</u>. The NYISO shall monthly report to the NYSRC the response of the system to restore ten (10) minute operating reserve after the loss of a major unit (>300MW). For each incident this report shall identify the MW capacity lost; the 10 minute and 30 minute operating reserves prior to the incident; and the area control error ("ACE"), 10 minute, and 30 minute operating reserves at a period of time 10 minutes and 30 minutes after the incident. (D-R4)</p>
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	<p><i>to provide information on all reserve activations on a summary basis. The previous D-M3 measurement requires detailed information only for reserve activations for unit losses >300MWs. Operating reserve is a dynamic quantity and as such no additional information is gained by knowing the reserves 10 minutes and 30 minutes after an incident, beyond knowing if a zero crossing occurred within the 10 minute window, and instances which require another reserve pickup initiation. In the past detailed event analysis was provided monthly to RCMS and it was determined this level of detail was not necessary. It can be noted that reserve deficiencies are reportable as Alert States and if prolonged as a major emergency, detailed information can be made available for each instance through Requirement 9 below. NERC and NPCC reportable events are included in the monthly Operations Report, which includes identification of the unit lost, its loading, time of ACE crossing, reserve pick up (RPU) and shared activation reserve (SAR) termination times.</i></p> <p>6. Performance of the transmission system (E-R1 through E-R4), with respect to the number of events resulting in facilities exceeded system operating limits resulting in Alert States or Major Emergencies, including pre-contingency <i>thermal</i> and <i>voltage limits</i>, post-contingency <i>thermal</i> and <i>voltage limits</i>, and <i>stability limits</i>.</p> <p><i>Same requirement as in present Measurement E-M2.</i></p> <p>7. A report of the number of more stringent events in which operating restrictions were imposed, resulting in an Alert or Major Emergency State due to severe weather conditions and/or severe solar magnetic <i>disturbances</i>. (E-R6, R7)</p> <p><i>Same requirement as in present Measurement E-M5.</i></p> <p>8. <i>Emergency</i> actions initiated, including: <i>emergency</i> assistance from neighboring <i>Control Areas</i>, manual (local) <i>voltage reductions</i>, quick response (remote control) <i>voltage reductions</i> (5 and 8%), voluntary <i>load</i> curtailment, public appeals, Special Case Resources, Emergency Demand Response Program, and</p>	<p><u>E-M2</u>. Every month the NYISO shall report to the NYSRC on the performance of the transmission system (E-R1 through E-R4), with respect to the number of transmission facilities and amount of time that each of those facilities exceeded operating constraints, including pre-contingency thermal and voltage limits, post-contingency thermal and voltage limits, and stability limits.</p> <p><u>E-M5</u>. The NYISO shall report to the NYSRC when more stringent operating restrictions were imposed due to severe weather conditions and severe solar magnetic disturbances, and summarize the actions taken. (E-R6, R7)</p> <p><u>F-M5</u>. Every month the NYISO shall report to the NYSRC on the following emergency actions that were initiated: emergency assistance from neighboring Control Areas, manual (local) voltage reductions, quick response (remote control) voltage reductions (5</p>
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	<p><i>load shedding</i>. For each <i>emergency</i> action the report shall include: (a) the date of the <i>emergency</i> action; (b) the <i>zone(s)</i> where the <i>emergency</i> action was implemented; (c) an estimate of the MW <i>capacity</i> addition or <i>load relief</i> achieved, by <i>zone</i>; and (d) the reason(s) why the emergency action was implemented. (F-R5)</p> <p><i>Same requirement as in present Measurement F-M5.</i></p> <p>9. Other analyses and indices identified by the NYSRC Executive Committee for monitoring the <i>security</i> of the system.</p> <p><i>Modified K-M2d requirement.</i></p>	and 8%), voluntary load curtailment, public appeals, Special Case Resources, Emergency Demand Response Program, and load shedding. For each emergency action the report shall include: (a) the date of the emergency action; (b) the zone(s) where the emergency action was implemented; (c) an estimate of the MW capacity addition or load relief achieved, by zone; and (d) the reason(s) why the emergency action was implemented. (F-R5)
7. Full Compliance Statement	The NYISO shall submit monthly operations reports for the previous month in accordance with the nine Requirements defined in Measurement K-M2d.	
8. Levels of Non-Compliance		
Level 1	The NYISO submitted a monthly operations report, but the report was incomplete relative to one of the Requirements defined in K-M2d.	
Level 2	The NYISO provided a monthly operations report, but the report was incomplete relative to two of the Requirements defined in K-M2d. .	
Level 3	The NYISO submitted a monthly operations report, but the report was incomplete relative to three or more of the Requirements defined in K-M2d.	
Level 4	The NYISO did not submit a monthly operations report for the previous month.	
9. Responsible Entity	NYISO	
10. Compliance Monitoring Entity	RCMS	
11. Implementation Plan	The NYISO shall begin submitting monthly operations reports in	

	accordance with modified Measurement K-M2d, 60 days after NYSRC adoption.	
12. Comments	Several K-M2 Reliability Assessment measurements are in the process of being modified. Following adoption of the changes, the numbering system of these assessments will be revised to K-M2, M3, M4, etc.	
13. Date Rule/Measurement Adopted		
14. PRR Revision Dates	2/16/09, 2/18/09, 3/18/09, 4/27/09, 7/28/09, 9/3/09, 9/18/09, 10/1/09	