

**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)

RR #72-05-03

Item	Response
<b>1. Respondent</b>	
Name	NYSRC Reliability Rules Subcommittee
Organization	
Address	
Phone & Fax numbers	
Email address	
<b>2. Title of proposed rule change</b>	
	<b>K-R3. Extreme System Conditions Assessment (PRR #72)</b>
<b>3. New rule or modification of NYSRC RR?</b>	
If a new rule is proposed, provide any relevant citation to existing standards	NPCC Document A-2, Section 8.0, "Extreme System Conditions Assessment".
If a modification to an existing rule is proposed, provide NYSRC RR reference	
<b>4. Wording of proposed rule change</b>	
	<p><b>K-R3. Extreme System Conditions, events that have a low probability of occurrence, shall be assessed to determine, through transmission and resource adequacy assessments, the impact of these conditions on expected steady-state and dynamic system performance. These assessments shall provide an indication of system robustness or the extent of a widespread adverse system response. Transmission assessments shall consider the effect of design criteria contingencies specified in Table A on the NYS Bulk Power System. Analytical studies shall be conducted under the following Extreme System Condition events:</b></p> <ul style="list-style-type: none"> <li><b>a. Peak load conditions resulting from extreme weather conditions with applicable rating of electrical elements.</b></li> <li><b>b. Generating unit(s) fuel shortage, e.g., gas supply adequacy.</b></li> </ul> <p><b>After due assessment of the above Extreme System Conditions, measures may be utilized, where appropriate, to mitigate the consequences that are indicated as a result of testing such system conditions.</b></p>
<b>5. Rationale for proposed rule change</b>	
Identify advantages	To be consistent with new NPCC criteria recently incorporated in Document A-2.
Identify disadvantages	
<b>6. Measurement(s)</b>	
	<b>K-M3.</b> The NYISO shall incorporate special simulation testing to assess the impact of Extreme System Conditions on the NYS Bulk Power System, and where appropriate, develop plans to mitigate the consequences that are indicated by these assessments. These tests shall show the impacts on steady state and dynamic performance of extreme condition events "a" and "b" specified in Reliability Rule K-R3. The scope of these studies shall meet NPCC guidelines for transmission and resource

	adequacy assessments. The NYISO shall report the results of these assessments, including evaluations of mitigation measures for any cases that conclude serious consequences, as part of NYCA transmission and resource adequacy assessments required by Measurement K-M2.
<b>7. Full Compliance Statement</b> (To be prepared by RCMS)	The NYISO shall assess the impact of Extreme System Conditions and develop plans to mitigate the consequences of such impacts, in accordance with Measurement K-M3. The results of these assessments shall be included in NYISO reports covering annual NYCA transmission and resource adequacy assessments, required by Measurement K-M2.
<b>8. Levels of Non-Compliance</b> (To be prepared by RCMS)	
<b>Level 1</b>	An Extreme System Condition assessment and mitigation plans for all specified events were included in the NYCA transmission or resource adequacy assessment report, but was incomplete in meeting NYSRC requirements or NPCC transmission or resource adequacy guidelines.
<b>Level 2</b>	An Extreme System Condition assessment was submitted for all specified events, but mitigation plans were not included or were found unacceptable.
<b>Level 3</b>	An Extreme System Condition assessment was submitted, but did not include evaluations and mitigation plans for all specified events.
<b>Level 4</b>	An Extreme System Condition assessment was not submitted.
<b>9. Responsible Entity</b>	NYISO
<b>10. Compliance Monitoring Entity</b>	RCMS
<b>11. Comments</b>	Implementation of this Rule will start with 2006 NYISO transmission and resource adequacy assessments.
<b>12. Date of Submission</b>	6/21/04, 1/10/05, 2/4/05