

**Request to Develop or Modify Reliability Rules and Requirements (NYSRC Policy No. 1-7)**

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

Item	Information
<b>1. PRR No. &amp; Title of Reliability Rule or Requirement change</b>	<b>PRR 121 B-R2: Transmission Planning Assessments</b>
<b>2. Rule Change Requester Information</b>	
Name	RRS
Organization	
<b>3. New rule or revision to existing rule?</b>	Revision
<b>4. Need for rule change, including advantages and disadvantages</b>	Conversion of the previous transmission assessment rules into the REP format resulted in unnecessary redundancy and possibly unclear requirements. This PRR eliminates this redundancy and more clearly conveys the intent of NYSRC transmission assessment requirements. The changes in PRR 121 are consistent with the final approved NPCC Directory 1, dated 9/30/15.
<b>5. Related NYSRC rules</b>	B.1 and B.2
<b>6. Section A – Reliability Rule Elements</b>	
1. Reliability Rule	B.2 No change
2. Associated NERC & NPCC Standards and Criteria	No change
3. Applicability	NYISO
<b>7. Section B – Requirements</b>	
Requirements	<p><u><b>R1. The NYISO shall conduct Transmission Reviews to demonstrate that the planned NYCA transmission system is in conformance with NYSRC transmission system planning requirements. Specifically, Transmission Reviews shall incorporate assessments for documenting NYISO compliance with Reliability Rule B.1, Requirements R1 through R4, Section VII. "NYSRC Procedure for NYCA Transmission Reviews" provides guidance for NYSRC Transmission Reviews.</b></u></p> <p><u><b>R1.1. The NYISO shall submit a NYCA Transmission Review annually to the Reliability Compliance Monitoring Subcommittee. The type of annual Transmission Review and submission schedule shall be in accordance with NPCC specifications.</b></u></p> <p><u><b>R1.2 The NYISO shall apply Local Area Operation Reliability Rules G.1 through G.3 requirements in all Transmission Review assessments.</b></u></p> <p><u><b>R1.3. Transmission Reviews shall incorporate the following five assessments;</b></u></p> <ul style="list-style-type: none"> <li><u>• <b>Assessment 1: Thermal, voltage, and stability assessments in accordance with B.R1 (R1).</b></u></li> <li><u>• <b>Assessment 2: Extreme contingency assessments in accordance</b></u></li> </ul>

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with B.1 (R2).

- Assessment 3: Extreme system condition assessments in accordance with B.1 (R3).
- Assessment 4: Fault current assessments in accordance with B.1 (R4).
- Assessment 5: Impacts of planned system expansion or configuration facilities on the NYCA System Restoration Plan (NYCA SRP). Any impacts identified shall be described in terms of how and where the NYCA SRP may need to be modified, and made available to the NYISO Operating Group and the planning function of the appropriate Transmission Owners for consideration in the annual review and update of NYISO and Transmission Owner restoration plans as required by Reliability Rule F.1 (R1). [Moved from B.1 (R5)]

**R1.4** If the results of a Transmission Review indicate that the planned NYS Bulk Power System will not be in conformance with the Reliability Rule B-R1 requirements, the Transmission Review shall incorporate a corrective action plan to achieve conformance. [Consistent with Directory 1, R11.3]

**R1.** The overall reliability (adequacy and security) of the NYCA interconnected NYS Bulk Power System, as planned, shall be reviewed and assessed to ensure that the NYISO and its Market Participants conform to the Reliability Rules.

**R2.** The NYISO shall ensure that the thermal, voltage, short circuit, and stability performance of the NYS Bulk Power System, as planned, is in accordance with NYSRC thermal, voltage, fault duty, and stability assessment criteria, and applicable NPCC Criteria. (B-R1\_R1 and B-R1\_R4).

**R3.** The NYISO shall assess the risks and system performance resulting from the extreme contingencies in Table B-4, and shall utilize measures, where appropriate, to reduce the frequency of occurrence of such contingencies, or to mitigate the consequences that are indicated as a result of testing for such contingencies. (B-R1\_R2).

**R4.** The NYISO shall develop, maintain, and execute procedures to evaluate system expansion or reconfiguration plans and identify their impact on the NYCA SRP. This process shall be performed every year as part of the NYISO annual transmission assessment.

**R5.** The NYISO shall apply Local Area Operation Reliability Rules G-R1 through G-R4 in the assessment and analysis of transmission adequacy and security.

**R6.** The NYISO shall incorporate special simulation testing to assess the impact of Extreme System Conditions on the NYS Bulk Power System, and where

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	<p><del>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 B-R1-R3. The scope of these studies shall meet NYSRC guidelines for transmission 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 assessments required by B-R2.</del></p> <p><del><b>R7.</b> The NYISO shall conduct, and provide to the NYSRC, the following reliability assessments in accordance with B-R2-R1:</del></p> <p style="padding-left: 40px;"><del>— A transmission review to demonstrate that the planned transmission facilities in the NYS Bulk Power System is in conformance with NYSRC Reliability Rules. Specifically, the transmission review shall incorporate assessments for documenting NYISO compliance with the following NYSRC Reliability Rule B-R2 Requirements:</del></p> <ol style="list-style-type: none"> <li><del>1. B-R2-R2 Thermal, voltage, stability, and short circuit assessments.</del></li> <li><del>2. B-R2-R3 Extreme contingency assessment.</del></li> <li><del>3. B-R2-R4 Compatibility with the NYCA system restoration plan.</del></li> <li><del>4. B-R2-R5 Compatibility with NYSRC Local Rules.</del></li> <li><del>5. B-R2-R6 Extreme system conditions.</del></li> </ol> <p><del>The NYCA transmission review and its accompanying assessments shall cover the 4-6 year planning horizon and shall be prepared annually. The B-R2-R1, B-R2-R2 and B-R2-R5 assessments shall cover system performance results of simulation tests and shall include all supporting documentation specified in the NYSRC Procedure for NYCA Transmission Reviews, which shall be supplemented to include additional documentation that may be requested by the NYSRC.</del></p>
<b>8. Section C – Compliance Elements</b>	
1. Measures	<b>M1.</b> The NYISO prepared an annual transmission review for demonstrating that transmission facilities in NYS Bulk Power System are in compliance with <u>B.1 (R1 to R4)</u> <del>B-R1-R1 to R5</del> , as specified by Requirements <u>B.2 (R1.1 to R1.4)</u> <del>B-R2-R1 to R6</del> .
2. Levels of Non-Compliance	No changes
3. Compliance Monitoring Process (See Policy 4):	
3.1 Compliance Monitoring Responsibility	<b>M1:</b> RCMS
3.2 Reporting Frequency	<b>M1:</b> Annually, <u>in coordination with NPCC schedules.</u>
3.3 Compliance Reporting Requirements	<b>M1:</b> Transmission Review <u>in accordance with B.2 (R1)</u> and other documentation requested by RCMS.
<b>9. Implementation Plan</b>	The 2016 Transmission Assessment shall use the revised B.2 requirements in PRR 121.
<b>10. Comments</b>	

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<b>11. Date Rule Adopted</b>	
<b>12. PRR Revision Dates</b>	1/23/15, 2/10/15, 12/28/15