

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

Submit request to raymond40@aol.com via the NYSRC site www.nysrc.org

Item	Information
1. PRR No. & Title of Reliability Rule or Requirement change	PRR 121 B-R2: Transmission Planning Assessments
2. Rule Change Requester Information	
Name	RRS
Organization	
3. New rule or revision to existing rule?	Revision
4. Need for rule change, including advantages and disadvantages	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 Directory 1 draft revisions.
5. Related NYSRC rules	B-R1 and B-R2
6. Section A – Reliability Rule Elements	
1. Reliability Rule	B-R2 No change
2. Associated NERC & NPCC Standards and Criteria	No change
3. Applicability	NYISO
7. Section B – Requirements	
Requirements	<p><u>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-R1, Requirements R1 through R4, Section VII, “NYSRC Procedure for NYCA Transmission Reviews” provides guidance for NYSRC Transmission Reviews.</u></p> <p><u>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.</u></p> <p><u>R1.2 The NYISO shall apply Local Area Operation Reliability Rules G-R1 through G-R3 requirements in all Transmission Review assessments.</u></p> <p><u>R1.3. Transmission Reviews shall incorporate the following five assessments:</u></p> <ul style="list-style-type: none"> <u>• Assessment 1: Thermal, voltage, and stability assessments in accordance with B-R1 R1.</u> <u>• Assessment 2: Extreme contingency assessments in accordance with B-R1 R2.</u> <u>• Assessment 3: Extreme system condition assessments in</u>

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- accordance with B-R1_R3.
- Assessment 4: Fault current assessments in accordance with B-R1_4.
 - 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 operating 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-R1. [Moved from B-R1_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 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

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	<p>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.</p> <p>R7. The NYISO shall conduct, and provide to the NYSRC, the following reliability assessments in accordance with B-R2_R1:</p> <p>— 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:</p> <ol style="list-style-type: none"> 1. B-R2_R2 Thermal, voltage, stability, and short circuit assessments. 2. B-R2_R3 Extreme contingency assessment. 3. B-R2_R4 Compatibility with the NYCA system restoration plan. 4. B-R2_R5 Compatibility with NYSRC Local Rules. 5. B-R2_R6 Extreme system conditions. <p>1. 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.</p>
8. Section C – Compliance Elements	
1. Measures	M1. The NYISO prepared an annual transmission review for demonstrating that transmission facilities in NYS Bulk Power System are in compliance with B-R1_R1 to R45, as specified by Requirement B-R2_R1 to R6.
2. Levels of Non-Compliance	No changes
3. Compliance Monitoring Process (See Policy 4):	
3.1 Compliance Monitoring Responsibility	M1: RCMS
3.2 Reporting Frequency	M1: Annually, in coordination with NPCC schedules.
3.3 Compliance Reporting Requirements	M1: Transmission Review in accordance with B-R2_R1 and other documentation requested by RCMS.
9. Implementation Plan	The 2015 Transmission Assessment shall use the revised B-R2 requirements in PRR 121.
10. Comments	
11. Date Rule Adopted	
12. PRR Revision Dates	1/23/15, 2/10/15

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