

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

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| Item | Information |
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| 1. PRR No. & Title of Reliability Rule or Requirement change | PRR 129 Addition of Transmission Planning Criteria Requirement Responsibilities for TOs and Developers |
| 2. Rule change requester information | |
| Name | RRS |
| Organization | |
| 3. New rule or revision to existing rule? | Revision. PRR 129 assumes adoption of PRR 120 changes. |
| 4. Need for rule change, including advantages and disadvantages | This PRR recognizes that TOs and Developers should be required to use NYSRC transmission planning criteria for their transmission and interconnection studies for facilities that are part of the NYS Transmission System. |
| 5. Related NYSRC rules | B.1(R1 to R4) |
| 6. Section A – Reliability Rule Elements | |
| 1. Reliability Rule | B.1 – no changes |
| 2. Associated NERC & NPCC Standards and Criteria | No changes |
| 3. Applicability | <u>NYISO, TOs, and Developers</u> |
| 7. Section B – Requirements | |
| Requirements | <p>R1. Transmission facilities in the <i>NYS Bulk Power System</i> shall be planned to meet the respective performance requirements in Table B-1 and supplemental performance requirements in Table B-2, for the <i>contingency</i> events as specified in Table B-1.</p> <p>R1.1. Credible combinations of system conditions which stress the system shall be modeled, including load forecast, internal NYCA and inter-Area and transfers, transmission configuration, active and reactive resources, generation availability, and other dispatch scenarios. All reclosing facilities shall be assumed in service unless it is known that such facilities will be rendered inoperative.</p> <p>R1.2. All performance requirements in Tables B-1 and B-2 shall apply after a first loss of the critical facilities and after system adjustment, as specified in Category II of Table B-1.</p> <p>R2. The impact of the extreme contingency events listed in Table B-3 shall be assessed.</p> <p>R3. Extreme System Conditions, events that have a low probability of occurrence, shall be assessed, one condition at a time, to determine 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. The conditions to be</p> |

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| | <p>assessed are listed in the "Extreme System Conditions" category in Table B-3.</p> <p>R4. <i>Fault duty</i> levels shall be planned to be within appropriate equipment <i>ratings</i>. Fault duty levels shall be determined with all generation and all transmission facilities in service. The NYISO shall have procedures for implementing this requirement.</p> <p>R4.1. Determination of fault duty levels shall be with due regard to fault current limiting series reactor protocols.</p> <p>R5. <u>The NYISO shall maintain procedures requiring Transmission Owners and Developers to apply criteria in accordance with Requirements R1, R2, and R4 for the conduct of thermal, voltage, stability, and short circuit studies for the planning of new or upgrades of NYS Transmission System facilities and interconnection of new generation and other facilities to the NYS Transmission System. These procedures shall be provided to the NYSRC upon request.</u></p> <p>R6. <u>Transmission Owners and Developers shall apply criteria in accordance with Requirements R1, R2, and R4 for the conduct of thermal, voltage, stability, and short circuit studies for the planning of new or upgrades of NYS Transmission System facilities, and interconnection of new generation and other facilities, that are part of the NYS Transmission System.</u></p> <p>Note: There are no proposed revisions to Tables B-1, B-2, and B-3.</p> |
| 8. Section C – Compliance Elements | |
| 1. Measures | <p>M1. The NYISO shall maintain procedures for implementing the transmission planning criteria in R1 to through R4.</p> <p>M1. <u>The NYISO provided evidence that it maintains procedures: (1) specifying the transmission study criteria for studies utilized for conducting NYCA transmission reviews in accordance with Requirements R1 through R4; and (2) requiring TOs and Developers to document and apply transmission study criteria for the conduct of transmission expansion and interconnection studies, in accordance with Requirement R5.</u></p> <p>M2. <u>The NYISO certified that each TO and Developer provided evidence that transmission planning study criteria utilized for transmission expansion and interconnection studies are documented, in accordance with Requirement R6.</u></p> |
| 2. Levels of Non-Compliance | <p>For Measure 1:</p> <p>Level 1: Not applicable.</p> <p>Level 2: Not applicable.</p> <p>Level 3: Not applicable.</p> <p>Level 4: <u>The NYISO failed to provide evidence that it: (1) maintains procedures documenting the NYSRC transmission study criteria used for studies for conducting NYCA transmission reviews in accordance with Requirements R1 through R4; and (2)</u></p> |

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| | <p><u>requires TOs and Developers to document and apply NYSRC transmission study criteria for the conduct of transmission expansion and interconnection studies, in accordance with Requirement R5.</u></p> <p><u>ISO did not plan transmission facilities in the NYS Bulk Power System in accordance with Requirements R1 through R4.</u></p> <p>For Measure 2:</p> <p><u>Level 1: Not applicable</u></p> <p><u>Level 2: Not applicable</u></p> <p><u>Level 3: Not applicable</u></p> <p><u>Level 4: The NYISO certified that one or more TO or Developers failed to provide evidence that appropriate NYSRC transmission planning study criteria it utilizes for transmission expansion and interconnection studies are documented, in accordance with Requirement R6.</u></p> |
| 3. Compliance Monitoring Process (See Policy 4): | |
| | For Measure 1: |
| 3.1 Compliance Monitoring Responsibility | RCMS |
| 3.2 Reporting Frequency | In accordance with NYSRC Compliance Monitoring Program schedules. |
| 3.3 Compliance Reporting Requirements | NYISO Self-Certification |
| | For Measure 2: |
| 3.1 Compliance Monitoring Responsibility | <u>NYISO/RCMS</u> |
| 3.2 Reporting Frequency | <u>Annually</u> |
| 3.3 Compliance Reporting Requirements | <u>NYISO Certification of MP compliance</u> |
| 9. Implementation Plan | <p>1. Within 90 days of adoption of PRR 129, the NYISO shall implement procedures in accordance with revised Measure 1.</p> <p>2. Within six months of adoption of PRR 129, the NYISO shall review TO and Developer compliance with R6.</p> |
| 10. Comments | |
| 11. Date Rule Change Adopted | |
| 12. PRR Revision Dates | 11/2/15 |