Request to Develop Reliability Rules for Implementation of Rules Enhancement Plan (REP)

Item	Response
1.Rules Enhancement Plan (REP) Description	On April 11, 2013, the NYSRC Executive Committee adopted a Rules Enhancement Plan (REP) which: (1) restructures the present NYSRC Reliability Rules and supporting elements, and (2) proposes new rules and revises others to ensure they are consistent with current and pending NERC and NPCC standards and criteria, while continuing to maintain NYSRC's more stringent and specific requirements. Proposed new and revised rules are highlighted below in red-line. The REP is described in the report, *Rules Enhancement Plan*, www.nysrc.org/____, which describes the restructured rule format (PRR Lines 3-7) and the tasks for implementing the REP.
2. Reliability Rule Requester	NYSRC Reliability Rules Subcommittee (RRS)
3. REP Proposed Reliability Rule (PRR) No.	REP-16
4. Title & No. of Proposed Reliability Rule	**B-R2: Transmission System Planning Assessments**
5. Section A – Reliability Rule Elements	
1. Reliability Rule	**Transmission facilities in the NYS Bulk Power System, as planned, shall be assessed to ensure conformance with transmission system planning requirements as specified in NYSRC Reliability Rule B-R1.**
2. Associated NERC & NPCC Standards and Criteria	NERC: TPL-001-4 NPCC: Directory 1
3. Applicability	NYISO
6. Section B – Requirements	
Requirements	**R1.** The overall reliability *(adequacy and security) of the NYCA* interconnected *NYS Bulk Power System*, as planned, shall be reviewed and assessed~~, both in real-time and as planned,~~ 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 D, 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 Reliability Rules I-R1 through I-R4~~5~~ in the

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	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~~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 I-R1_R6. **R7.** The *NYISO* shall conduct, and provide to the *NYSRC*, the following *reliability* assessments in accordance with B-R2_1: A transmission review to demonstrate that the planned ~~NYCA~~ transmission facilities in the NYS Bulk Power~~s~~ 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 ~~measurements~~: 1. Measurement B-R2_R2 – Thermal, voltage, stability, and short circuit assessments. 2. Measurement B-R2_R3 – Extreme contingency assessment. 3. Measurement B-R2_R4 – Compatibility with the NYCA system restoration plan. 4. Measurement B-R2_R5 – Compatibility with NYSRC Local Rules. 5. Measurement B-R2_R6 – Extreme system conditions. 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*~~NPCC Document B-4, *Guidelines for NPCC Area Transmission Review*~~, which shall be supplemented to include additional documentation that may be requested by the NYSRC.
7. Section C – Compliance Elements	
1. Measures	**M1.** The NYISO prepared an annual transmission review for demonstrating that the planned NYCA transmission system is in compliance with Requirements B-R1_R1 to R5, as specified by Requirements B-R2_R1 to R7.
2. Levels of Non-Compliance	**For M1:** Level 1: Not applicable Level 2: A transmission review was submitted, but did not fully meet Reliability Rule B-R2 requirements. Level 3: Not applicable Level 4: A transmission review was not available.
3. Compliance Monitoring Process (See Policy 4):	
3.1 Compliance	RCMS

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Monitoring Responsibility	
3.2 Reporting Frequency	Annually
3.3 Compliance Reporting Requirements	Transmission Review and other documentation requested by RCMS.
8. Comments	
9. Date Reliability Rule Adopted	
10. REP PRR Revision Dates	6/16/14, 7/16/14, 7/31/14