

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

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Item	Information
1. PRR No. & Title of Reliability Rule or Requirement change	PRR 132 I.4 Transmission Data
2. Rule Change Requester Information	
Name	Reliability Rules Subcommittee
Organization	
3. New rule or revision to existing rule?	Revision
4. Need for rule change, including advantages and disadvantages	<p>The New York State Reliability Council (NYSRC) Executive Committee adopted NYSRC's Reliability Compliance Monitoring Subcommittee (RCMS) recommendation for the NYSRC's Reliability Rules Subcommittee (RRS) <i>"to review and modify Reliability Rule 1.4 and the related Requirements and to propose modifications, to the extent necessary, to clearly and objectively identify non-compliant data error submissions, and to consider any other modifications the RRS deems necessary;"</i></p> <p>This recommendation came from RCMS review of Market Participant compliance violation of Transmission Data requirement (1.4). RCMS members noted the difficulty in interpretation of Requirement 1.4 as follows:</p> <ul style="list-style-type: none"> • The impossibility of perfect data accuracy [is unachievable] based upon the thousands of data items and repetitive updating of data sets. [Therefore,] it would be imprudent and impracticable to find every instance of an erroneous data submission to be noncompliant. • While all data errors require correction, <u>not all have the potential to have a materialmost do not adversely impact-affect on the reliability of the NYS Bulk Power System. The NYISO is expected to exercise itsand judgment in assessing the is required-to-assess-materiality_of the data error.</u> It is noted that 1.4, as currently written, does not require that the potential impact on reliability of the data errors be established.
5. Related NYSRC rules	None
6. Section A – Reliability Rule Elements	
1. Reliability Rule	Accurate load flow, short circuit, and stability data bases required for planning and operating studies of the NYS Bulk Power System shall be developed and maintained. The data shall include appropriate detail from adjacent control areas.
2. Associated NERC & NPCC Standards and Criteria	NPCC: Directory 1 NERC: MOD-010, 012, 031; IRO-010
3. Applicability	NYISO, Market Participants and Developers

7. Section B – Requirements

R1. The NYISO shall establish and maintain procedures for the development and maintenance of load flow, short circuit, and *stability* data bases. These procedures shall:

~~R.1.1 Require Market Participants and Developers to provide complete, consistent and accurate required accurate and comprehensive equipment data for the data bases used to support technical analyses for the purpose of preserving the reliability of the NYS Bulk Power System. This data reporting procedure shall be conducted at least annually and shall include data submission schedules, report to the NYISO accurate equipment data, including changes, which affect these data bases. The procedure shall address appropriate time requirements for reporting such data.~~

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~~R.1.2 Require Market Participants and Developers to report accurate and comprehensive equipment data for facilities that are installed or modified outside of the normal reporting process. This procedure shall address appropriate time requirements for reporting such data.~~

~~R.1.3 Include guidelines for checking the reasonableness of equipment data (load flow, short circuit and stability data) to identify Suspect Data. The guidelines shall specify reasonable data parameters.~~

~~R.1.4 Require Market Participants and Developers to report to the NYISO -data errors and corrections or Suspect Data that they may have identified. This procedure shall address appropriate time requirements for reporting such data.~~

~~R.1.2 Include guidelines for checking the reasonableness of equipment data (load flow, short circuit and stability data) to identify Suspect Data. The guidelines shall specify reasonable data parameters.~~

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~~R.1.5 3~~ Require the NYISO to apply the guidelines in R1.2-34 to data provided to the NYISO.

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~~R.1.6 4~~ Require the NYISO to request verification or corrections of any *Suspect Data* from the *Market Participant or Developer* that provided the data.

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~~R.1.7 Require the NYISO to assess the potential for an adverse material impact of a Market Participant's data error on the reliability of the NYS Bulk Power System if the data error was used in planning or operating studies.~~

~~For this requirement, adverse material impact is defined as:~~

~~The NYISO assessment identifies a reliability violation on the NYS Bulk Power System, or the conclusions of a NYISO planning or operating study change as a result of the data error, after the misreported data was used in planning or operating studies~~

~~Material Impact is defined as:~~

~~The NYISO assessment identifies a current system reliability violation on the NYS Bulk Power System, or~~

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~~The NYISO assessment identified that, within the past year, the system had been operated in an in-secured state.~~

R2. Load flow, short-circuit, and *stability* data bases shall be updated by the NYISO on an annual basis or whenever system changes warrant an update, as specified by NYISO procedures required under R1. These data bases shall be made available per NYISO procedures.

R3. Market Participants ~~and Developers~~ shall:

R.3.1 Review and update load flow, short circuit, and stability data bases as specified by NYISO procedures required by R.1.1.

R.3.2 Report to the NYISO equipment data for equipment additions or modifications in accordance with NYISO procedures required by R.1.2.

R3.3 Report to the NYISO data errors or Suspect Data that are identified in accordance with NYISO procedures required by R.1.3. Provide to the NYISO accurate load flow, short circuit and stability data in the time frame and format as specified by NYISO procedures required R1. This data will be used to maintain up to date data bases required under R2.

R.3.4.2 Respond to NYISO requests for data verification or correction of Suspect Data r-equired by R.1.6.

R.3.5 Respond to NYISO requests for supplemental data or other information required for its assessment of the material impact of a data error on the reliability of the NYS Bulk Power System after the misreported data was used in planning or operating studies, in accordance with NYISO procedures required by R.1.7.

~~R.3.3 Review and check their equipment data (load flow, short circuit and stability data) within data bases provided by the NYISO to ensure accuracy.~~

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8. Section C – Compliance Elements

1. Measures

M1: Replace the present M1 with the following:
The NYISO provided evidence that it has established and maintained procedures for the development and maintenance of load flow, short circuit, and stability data, in accordance with R1, including the procedures and actions specified in R1.1 through R1.7.

M2:
 Load flow, short-circuit, and *stability* data bases were updated as specified by NYISO procedures and schedules, in accordance with R2.

M3: Replace the present M3 with the following:
The NYISO certified that every Market Participant, as appropriate, provided evidence that it reviewed, updated, and reported load flow, short circuit, and stability data bases in accordance with R3.1; reported equipment data to the NYISO in accordance with R3.2; and reported data errors, Suspect Data, and information requested by the NYISO, in accordance with R3.3, R.3.4, and R3.5.

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<p>2. Levels of Non-Compliance</p>	<p>For Measure 1</p> <p>Level 1: Not applicable.</p> <p>Level 2: <i>NYISO</i> procedures for development and maintenance of load flow, short-circuit, and <i>stability</i> data bases have been prepared, but were incomplete in one or more areas <u>identified in R1.1 through R1.7.</u></p> <p>Level 3: It was determined that the <i>NYISO</i> did not adequately apply its guidelines for identifying <i>Suspect Data</i> <u>in accordance with R1.5</u> for certain data provided by Market Participants and Developers after a review of equipment data used in a planning or operating study indicated that the data fell outside the range of reasonable data parameters.</p> <p>Level 4: <i>NYISO</i> procedures for development and maintenance of load flow, short-circuit, and <i>stability</i> data bases have not been prepared <u>in accordance with R1.1 through R1.7,</u> or the <i>NYISO</i> did not prepared guidelines for identifying <i>Suspect Data</i>.</p> <p>For Measure 2</p> <p>Level 1: Not applicable.</p> <p>Level 2: <u><i>NYISO</i></u> load flow, short-circuit, or <i>stability</i> data bases were not updated as specified by <i>NYISO</i> procedures and schedules <u>and in accordance with R2.</u></p> <p>Level 3: Not applicable.</p> <p>Level 4: <i>NYISO</i> None of the load flow, short-circuit, and <i>stability</i> data bases were <u>not</u> updated as specified by <i>NYISO</i> procedures and schedules <u>and R2.</u></p> <p>For Measure 3</p> <p>Level 1: The <i>NYISO</i> certified that the required data, <u>in accordance with R3.1 and R3.2,</u> that was provided was complete, but was not submitted to the <i>NYISO</i> by the specified time by one or more designated <i>Market Participants and Developers</i>.</p> <p>Level 2: The <i>NYISO</i> certified that the required data, <u>in accordance with R3.1 and R3.2,</u> was submitted to the <i>NYISO</i> on time, but was incomplete in one or more areas for one or more designated <i>Market Participants and Developers</i>.</p> <p>Level 3: The <i>NYISO</i> certified that one or more <i>Market Participants and Developers</i> did not check the accuracy of its data, did not report data errors or Suspect Data to the NYISO, or did not respond to the <i>NYISO</i> for requests for data verification or correction of <u>data errors or Suspect Data.</u> <u>In accordance with R3.3 through R3.5.</u></p> <p style="text-align: center;">- OR -</p> <p><u>The <i>NYISO</i> certified that an error, found in data submitted by one or more Market Participants, had the potential of having an adverse material impact on the reliability of the NYS Bulk Power System if the data had been used in a planning or operating study.</u></p>
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	Level 4: The <i>NYISO</i> certified that the required data, <u>in accordance with R3.1 and R3.2</u> , from one or more designated Market Participants, and Developers was not submitted to the <i>NYISO</i> .
3. Compliance Monitoring Process (See Policy 4):	
3.1 Compliance Monitoring Responsibility	M1: RCMS M2: RCMS M3: NYISO/RCMS
3.2 Reporting Frequency	M1: In accordance with NYSRC Compliance Monitoring Program schedule. M2: In accordance with NYSRC Compliance Monitoring Program schedule. M3: Annually
3.3 Compliance Reporting Requirements	M1: <i>NYISO</i> Self-Certification. M2: <i>NYISO</i> Self-Certification. M3: <i>NYISO</i> Certification of Market Participant compliance.
9. Implementation Plan	<ol style="list-style-type: none"> 1. Three months following Executive Committee adoption of PRR 132, the <i>NYISO</i> shall provide evidence to RCMS that it modified its procedures in accordance with revised Reliability Rule I.4 requirements. 2. Four months following Executive Committee adoption of PRR 132, <i>NYISO</i> staff shall make a presentation to RCMS describing the methodology it proposes to use for assessing whether a data error would have the potential for causing an adverse material impact on the reliability of the NYS BPS, as required by R1.7.
10. Comments	
11. Date Rule Adopted	
12. PRR Revision Dates	2/23/16, 2/24/16, 3/24/16, 4/18/16, 5/15/16

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