

Request to Develop or Modify Reliability Rules (NYSRC Policy No. 1-5)
 Submit request to raymond40@aol.com via the NYSRC site www.nysrc.org

Item	Response
1. Respondent	
Name	Louis Maiocco (Representing Transmission Owners in the NYISO area)
Organization	Con Edison Company, System Operation Department
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2. Title of proposed rule change & PRR No.	Major Emergency declaration refinement of Reliability Rule F-R1, Transmission Thermal Overloads [PRR 108]
3. New rule or modification of NYSRC RR?	Modification of F-R1, Transmission Thermal Overloads
If a new rule is proposed, provide any relevant citation to existing standards	N/A
If a modification to an existing rule is proposed, provide NYSRC RR reference	Current rule requires declaration of Major Emergency state as soon as a BES facility is loaded above its LTE rating. Proposed is to declare alert state immediately upon exceeding a BES facility LTE rating and allow a 5-min time period before escalating to Major Emergency state.
4. Wording of proposed rule change	<p>F-R1 – Transmission Thermal Overloads</p> <p>If a transmission facility, which constitutes a part of the <i>NYS Bulk Power System</i>, becomes overloaded, relief measures shall be applied immediately to bring the loading within established ratings.</p> <p>a. When a facility becomes loaded above its <i>LTE rating</i>, but below its <i>STE rating</i> corrective action must be taken to return the loading on the facility to its <i>LTE rating</i> or lower within fifteen (15) minutes; provided, however, that after taking corrective action, loadings on the facility are not below its <i>LTE rating</i> within five (5) minutes, a <i>major emergency</i> shall be declared and corrective measures taken – which may include <i>voltage reduction</i> and/or <i>load relief</i> – to return the loading on the facility to its <i>LTE rating</i> or lower within fifteen (15) minutes from the initial overload. At the NYISO’s discretion, a major emergency may be declared at any time a facility becomes loaded above its LTE rating.</p> <p>b. When a facility becomes loaded at or above its <i>STE rating</i>, immediate corrective action which may include <i>voltage reduction</i> and/or <i>load shedding</i>, must be initiated to reduce the loading on the facility to below its <i>STE rating</i> within five (5) minutes and furthermore, to continue to reduce the loading on the facility to below its <i>LTE rating</i> within ten (10) minutes from the initial overload. If the loading is substantially above the <i>STE rating</i>, <i>load relief</i> should be considered as the initial action to be taken.</p> <p>c. After the loading on a facility has been reduced below its <i>LTE rating</i> additional corrective action, excluding further <i>voltage reduction</i> and/or <i>load shedding</i>, should be taken to reduce the loading on the facility to below its <i>normal rating</i> within thirty (30) minutes of the initial overload. In the event this cannot be</p>

	accomplished, <i>emergency transfer criteria</i> shall be invoked.
5. Rationale for proposed rule change	This change is being recommended to insure declaration of Major Emergency state in the New York control area is done only in the presence of conditions that present credible threats to stability and reliable operation of the bulk power system.
Identify advantages	<p>Allowing a 5-min timer prior to the declaration of a Major Emergency insures this state is NOT declared for conditions that do not place the bulk power system at risk.</p> <p>Reducing the number of Major Emergency declaration prevents the eroding of sensitivity to this critical emergency state due to over use of its declaration.</p> <p>This proposed change for transmission thermal overloads would create a consistent concept with the NYSRC rules associated with F-R4 Post Contingency Voltage and F-R6 Stability Limit Violation.</p> <p>Reducing the number of System Emergency declaration for non-emergency situations will avoid confusion with regard to FERC, NERC and NPCC reporting requirements.</p> <p>The NYISO system continues to dispatch generation to secure the BES facilities to LTE ratings. If an LTE violation occurs these conditions are not typically emergencies that requires load relief measures and can quickly be cleared by some operational moves, thus mitigating the need for emergency declarations. Exceptions exist in NYISO that permit post contingency LTE violations to exist because means are available to quickly de-load facilities, so changing this rule provides consistency with these exceptions.</p> <p>In the event a transmission thermal flow is greater than the LTE rating, with no time delay a major emergency can still be declared based on the NYISO discretion of the system conditions.</p>
Identify disadvantages	None
6. Measurement(s)	No changes
7. Full Compliance Statement	No changes
8. Levels of Non-Compliance	No changes
Level 1	
Level 2	
Level 3	
Level 4	
9. Responsible Entity	NYISO
10. Compliance Monitoring Entity/Entities	RCMS
11. Implementation Plan	The NYISO shall revise its procedures as required to reflect the proposed Reliability Rule F-R1 revision (Line 4) within 90 days of Executive Committee adoption. Evidence of these revised

	procedures shall be provided to RCMS when requested.
12. Comments	See attached proposed revision of NYSRC Reliability Rules Manual – Section V, System Conditions for Operating States of NYS Bulk Power System.
13. Date Rule/Measurement Adopted	November 10, 2011
14. PRR Revision Dates	8.16.11, 9.1.11, 9.9.11, 11.10.11

V. SYSTEM CONDITIONS FOR OPERATING STATES OF THE NYS BULK POWER SYSTEM

MONITORED CRITERIA	NORMAL	WARNING	ALERT	MAJOR EMERGENCY	RESTORATION
Transmission Facility Pre-Contingency Flow	Flow is less than or equal to Normal rating	Flow is greater than Normal rating but less than or equal to LTE rating for not more than 30 minutes. OR Emergency Transfer Criteria have been invoked but flow is less than or equal to Normal rating.	Emergency Transfer Criteria have been invoked AND Flow is greater than Normal rating but less than or equal to LTE for not more than 4 hours	Flow is greater than STE OR Flow is greater than LTE rating for more than 5 minutes. OR Flow is greater than LTE rating exceedance with no time delay at the NYISO's discretion OR Flow is greater than Normal rating but less than or equal to LTE rating for 4 hours.	

Emergency Transfer Criteria have been invoked

AND

Flow is greater than Normal rating but less than or equal to LTE for not more than 4 hours

Flow is greater than LTE rating.

OR

Flow is greater than Normal rating but less than or equal to LTE rating for 4