

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 137 Revision of Requirement 1 <i>Load Shedding Allocation</i> under Section D.2 <i>Underfrequency Load Shedding</i>
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	<p>A concern was raised at the NYSRC Reliability Rules Subcommittee (RRS) that a section of Requirement 1 under Section D.2 Underfrequency Load Shedding may not be aligned with NERC and NPCC Standards and Directories. After a technical discussion on this subject at the NYSRC RRS February 2, 2017 meeting, the committee decided to align Section D.2 Requirement 1 with appropriate NERC and NPCC Standards and Directories.</p> <p>The new language of the 3rd paragraph of Requirement 1 (Section D.2 Underfrequency Load Shedding) has been directly copied from NPCC Directory 2.</p>
5. Related NYSRC rules	
6. Section A – Reliability Rule Elements	
1. Reliability Rule	<p>D.2 Underfrequency Load Shedding Following a Major Emergency the NYISO shall have the capability to shed load rather than risk an uncontrolled system failure.</p>
2. Associated NERC & NPCC Standards and Criteria	<p>NERC: EOP-003 <u>and</u> <u>PRC-006-NPCC</u> NPCC: Directory 2 <u>and</u> <u>12</u></p>
3. Applicability	No change
7. Section B – Requirements	
Requirements	<p>R1. Load Shedding Allocation In the event that the frequency decline is so rapid as to prevent operator action, automatic facilities shall achieve load shedding without regard for transmission loadings. Load shedding allocation procedures shall be developed which meet the requirements of the NPCC Underfrequency Load Shedding Guides.</p> <p>The NYCA must be capable of shedding at least 50 percent of its load in ten (10) minutes or less. Insofar as practical, the first half of the load shed manually should not include that load which is part of any automatic load shedding plan.</p>

	<p>If the frequency decays below the curve shown in NPCC Directory 12 Figure 1, is still declining below 58.5 Hz, all transmission systems shall take such steps may be taken to protect generating equipment as are necessary, including separating units from the system with or without load. In such cases isolation onto a generator's own auxiliaries is preferred to facilities rapid resynchronization as soon as system conditions permit. to preserve generation, minimize damage and service interruption.</p> <p>R2. Changes are not required.</p> <p>R3. Changes are not required.</p>
8. Section C – Compliance Elements	
1. Measures	Changes are not required.
2. Levels of Non-Compliance	Changes are not required.
3. Compliance Monitoring Process (See Policy 4):	
3.1 Compliance Monitoring Responsibility	Changes are not required.
3.2 Reporting Frequency	Changes are not required.
3.3 Compliance Reporting Requirements	Changes are not required.
9. Implementation Plan	The NYISO procedures are to be update no later than 90 days following Rule approval.
10. Comments	
11. Date Rule Adopted	
12. PRR Revision Dates	2/16/2017