

Request to Develop or Modify Reliability Rules and Requirements (NYSRC Policy No. 1-11)

Submit request to herb@poweradvisorsllc.com via the NYSRC site www.nysrc.org

Item	Information
1. PRR No. & Title of Reliability Rule or Requirement change	137 – Underfrequency Load Shedding
2. Rule Change Requester Information	
Name	RRS
Organization	NYSRC
3. New rule or revision to existing rule?	Revision - Retirement
4. Need for rule change, including advantages and disadvantages	Retirement of Reliability Rule D.2 is consistent with NYSRC policy that NYSRC Reliability Rules should be more stringent or more specific than related NERC and NPCC Standards and criteria. Although D.2 is consistent with NERC and NPCC requirements, a review of the rule in accordance with guidelines in Section 10 of Policy 1 concluded that all of the requirements in D.2 are not more stringent or specific than related NERC and NPCC standards and criteria.
5. Related NYSRC rules	D.1
6. Section A – Reliability Rule Elements	
1. Reliability Rule	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.
2. Associated NERC & NPCC Standards and Criteria	NERC: EOP-003 NPCC: Directory 2
3. Applicability	NYISO, TOs
7. Section B – Requirements	
Requirements	<p>R1. Load Shedding Allocation</p> <p>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 frequency is still declining below 58.5 Hz, all transmission systems shall take such steps as are necessary, including separating units to preserve generation, minimize damage and service interruption.</p>

	<p>R2. — The NYISO shall maintain procedures and systems that ensure that sufficient load shedding capability exists for both manual and automatic response. The NYISO must notify the NYSRC of any changes to these procedures and systems.</p> <p>R3. — Each Transmission Owner shall report to the NYISO the amount of load that is expected to be shed through automatic and manual load shedding, coincident with the peak load of its transmission district in accordance with NYISO procedures. The NYISO shall annually report compliance of this requirement to the NYSRC.</p>
8. Section C – Compliance Elements	
1. Measures	<p>M1. — The NYISO maintained procedures for ensuring that sufficient load shedding capability exists in accordance with R1 and R2. These procedures included Transmission Owner reporting requirements (see R3) and the conduct of NYISO analyses to ensure that sufficient load shedding is available to meet the load shedding requirements.</p> <p>M2. — The NYISO certified that each Transmission Owner has submitted appropriate load shedding documentation in accordance with NYISO procedures, and as required under R2, ensured that sufficient automatic and manual load shedding is available to meet NYISO requirements.</p>
2. Levels of Non-Compliance	<p>2.1 — For Measure 1</p> <p>Level 1: Not applicable.</p> <p>Level 2: Procedures for ensuring that sufficient load shedding capability exists were provided, but were incomplete in one or more areas.</p> <p>Level 3: The required procedures were complete; however, analyses to ensure that sufficient load shedding is available were incomplete.</p> <p>Level 4: The required procedures were not provided.</p> <p>For Measure 2</p> <p>Level 1: The NYISO certified that load shedding documentation was submitted from all Transmission Owners, but was incomplete in one or more areas for one or two Transmission Owners.</p> <p>Level 2: The NYISO certified that load shedding documentation was submitted from all Transmission Owners, but was incomplete in one or more areas for three or more Transmission Owners.</p> <p>Level 3: The NYISO certified that load shedding documentation was not provided by one or two Transmission Owners.</p> <p>Level 4: The NYISO certified that load shedding documentation was not provided by more than three Transmission Owners.</p>
3. Compliance Monitoring Process (See Policy 4):	
3.1 Compliance Monitoring Responsibility	<p>M1: RCMS</p> <p>M2: NYISO/RCMS</p>
3.2 Reporting Frequency	<p>M1: In accordance with NYSRC Compliance Monitoring Program schedules.</p> <p>M2: Annually</p>
3.3 Compliance Reporting Requirements	<p>M1: — NYISO Self-Certification. This may be supplemented, if determined by the</p>

	NYSRC, by audits or other information specified by the NYSRC Compliance Monitoring Program or other requirements determined by the NYSRC. M2: NYISO Certification.
9. Implementation Plan	Retire upon NYSRC Executive Committee Approval
10. Comments	
11. Date Rule Adopted	
12. PRR Revision Dates	2/16/2017, 3/20/2017, 6/22/17, 6/29/17