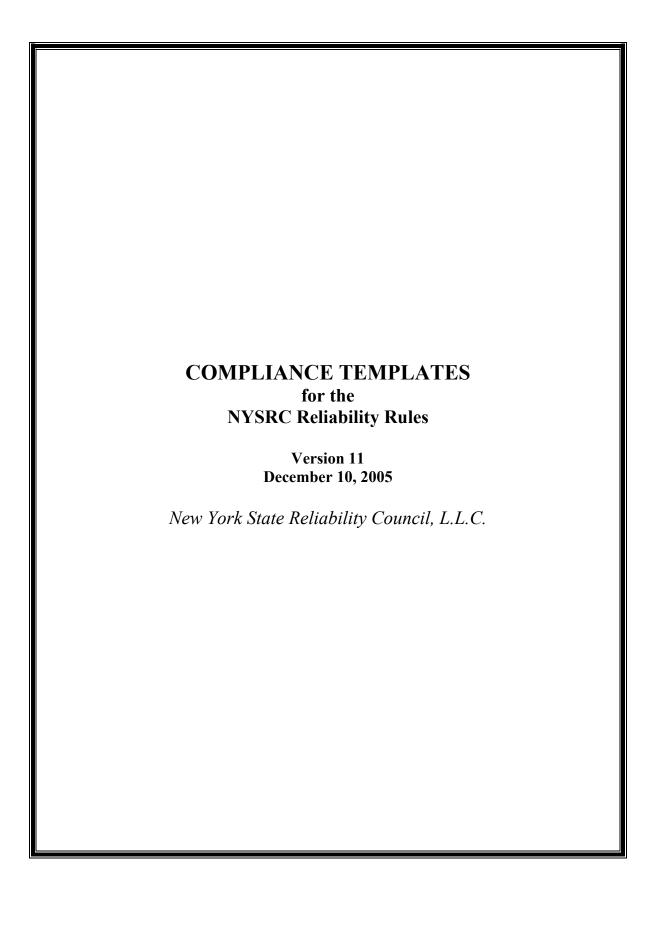
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# NYSRC RELIABILITY RULE COMPLIANCE TEMPLATES

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### I. INTRODUCTION

### 1. Foreword

This document contains the New York State Reliability Council, L.L.C. (NYSRC) Compliance Templates for the Reliability Rules for Planning and Operating the New York State Power System (Compliance Templates). The Compliance Templates are guides for use by the NYSRC and New York Independent System Operator (NYISO) by which compliance with the Reliability Rules are reviewed and evaluated.

### 2. Background

The mission of the NYSRC is to promote and preserve the reliability of the New York State Power System in the New York Control Area (NYCA). The NYSRC carries out its mission in accordance with the NYSRC and NYISO/NYSRC Agreements.

This mission includes developing, maintaining, and updating the Reliability Rules, which must be complied with by the NYISO and Market Participants. The Reliability Rules are contained in the document, "NYSRC Reliability Rules for Planning and Operating the New York State Power System."

The NYSRC mission also includes monitoring compliance with the Reliability Rules. NYSRC Policy 4, "Procedure for Monitoring Compliance with the NYSRC Reliability Rules," describes the compliance monitoring process. The Compliance Templates are an essential element of this process. Policy 4 describes the application of the Compliance Templates within the context of the entire NYSRC compliance review process.

The Reliability Rules, NYSRC Policy 4, Compliance Templates, and other NYSRC documents may be downloaded from the NYSRC web site, <a href="http://www.nysrc.org">http://www.nysrc.org</a>.

### 3. Application of the Compliance Templates

A compliance template provides the requirements for achieving full compliance with a measurement associated with one or more Reliability Rules, in additional to factors which may contribute to non-compliance. The compliance template assists those entities responsible for complying with the Reliability Rules, as well as those entities responsible for monitoring compliance with the Reliability Rules.

The NYISO is responsible for achieving compliance with many of the Reliability Rules covered by the Compliance Templates. The NYSRC Compliance Monitoring Subcommittee (RCMS) is responsible for monitoring NYISO compliance with those Reliability Rules using the Compliance Templates. Market Participants (Transmission Owners, Generation Owners, ICAP Providers, and LSEs) are responsible for achieving compliance with other Reliability Rules. The NYISO is responsible for monitoring Market Participant compliance with those Reliability Rules and is encouraged to use the Compliance Templates for this process.

Since more than one measurement may be applicable to a given Reliability Rule, measurements may be addressed as a group to determine if compliance to a particular Reliability Rule is achieved.

Figure 1 is a form that is used by RCMS to document compliance reviews, which is attached to the relevant compliance template for each reliability assessment.

The Compliance Templates will be supplemented or revised as new Reliability Rules are added or the Rules are updated.

### 4. Compliance Template Format

The format of the compliance template is shown in Table 1. A description of each major heading in that format is included.

### 5. Compliance Report Due Dates

Those entities responsible for achieving compliance to a measurement for which compliance is to be reviewed must submit their compliance reports in electronic format to the NYSRC in accordance with due dates established by RCMS. A non-compliance level is designated by RCMS if a compliance report is not received after a grace period of 29 days has expired. RCMS assesses levels of non-compliance for overdue reports in accordance with Table 2.

### 6. Notification Letters for Non-Compliance of the Reliability Rules

Letters are used to communicate non-compliance of the Reliability Rules based on the levels of non-compliance specified in the Compliance Templates, or for overdue compliance reports. The NYSRC Executive Committee Chairman signs these letters. Table 3 defines the types of letters to be used.

NYISO procedures include imposition of sanctions for Market Participants that are in non-compliance with NYISO requirements and the Reliability Rules. Recognizing this policy, the NYSRC and NYISO coordinate on a case-by-case basis the need to issue the notification letters in Table 3 when Market Participants are in non-compliance with the Reliability Rules.

### 7. Compliance Template Index

Table 4 is a Compliance Template index, which shows for each compliance template, the related Reliability Rule(s), entities responsible for compliance reporting and monitoring, and compliance report frequency.

### **FIGURE 1: COMPLIANCE REVIEW FORM**

1.	Description of compliance	
	documentation submitted by NYISO	
2.	Compliance Review Dates:	
	Due date of NYISO report to RCMS	
	Actual date of NYISO report to RCMS	
	Date of RCMS review	
3.	Follow-up actions, if any	
4.	RCMS comments	
5.	Executive Committee comments	

### TABLE 1: COMPLIANCE TEMPLATE FORMAT

- Reliability Rule Section and Measurement Number: As in Reliability Rule document.
- Reliability Rule Reference(s): The number and name of related Reliability Rule(s). The wording of the Reliability Rule(s) may be found in the "NYSRC Reliability Rules for Planning and Operating the New York State Power System Revision 2" document.
- **Measurement:** The number and exact wording of the template measurement as in the Reliability Rules document.
- **Responsibilities:** Includes the (1) frequency or timetable for providing the required documentation, (2) entity accountable for compliance to this measurement, (3) entity responsible for monitoring compliance of the measurement, and 4) entity, if any, responsible for oversight review.
- Full (100%) Compliance: Clear statement of compliance reporting requirements. May include reference to related Reliability Rules and measurements.
- Levels of Non-Compliance: In increasing levels of non-compliance. Some levels may not be applicable.
  - Level 1
  - Level 2
  - Level 3
  - Level 4

**TABLE 2: OVERDUE COMPLIANCE REPORTS** 

Lateness	Level Of Non-Compliance
Not received within 30 days of established due date.	1
Not received within 90 days of established due date.	4

**TABLE 3**:

## NOTIFICATION LETTERS FOR NON-COMPLIANCE OF THE NYSRC RELIABILITY RULES

Level Of Non-Compliance	Letter Type
1	A
2	В
3	C
4	D

- <u>Letter A:</u> To the relevant NYISO Vice President (the VP of Strategic Initiatives or VP of System Operations), with a copy to the NYSRC Executive Committee.
- **<u>Letter B</u>**: To the NYISO CEO, with copies to the relevant NYISO VP and the NYSRC Executive Committee.
- **Letter C:** To the NYISO Board of Directors, with copies to the NYISO CEO, the relevant NYISO VP, and the NYSRC Executive Committee.
- **<u>Letter D</u>**: The same as Letter C, with copies to the NYS Public Service Commission. Post on the NYSRC web site.

**TABLE 4: COMPLIANCE TEMPLATE INDEX** 

	Measurement/ Compliance Template	Rule	Applicable To	Monitoring Responsibility	Reporting Frequency	Page Number. Reference
A.	Resource Adequac	y	1			
	A-M1	A-R1	ICAP WG	RCMS	Annually	10
	A-M2	A-R2,3	NYISO	RCMS	Annually	11
	A-M3	A-R2,3	LSEs	NYISO	Annually	12
	A-M4	A-R2	NYISO	RCMS	As Required	13
В.	Transmission Capa	ability - Planni	ng			
	B-M1	B-R1-3	NYISO	RCMS	Annually	14
	B-M2	B-R4	NYISO	RCMS	Annually	15
	B-M3	B-R5	NYISO	RCMS	On Request	16
	B-M4	B-R6	NYISO	RCMS	On Request	17
C.	Resource & Demar					
	C-M1	C-R1	NYISO	RCMS	On Request	18
	C-M2	C-R1	ICAP	NYISO	On Request	20
			Providers			
	C-M3	C-R1	GOs	NYISO	On Request	21
	C-M4	C-R2	NYISO	RCMS	On Request	22
	C-M5	C-R2	ICAP	NYISO	Monthly	23
			Providers			
	C-M6	C-R2	NYISO	RCMS	Annually	24
	C-M7	C-R3	NYISO	RCMS	On Request	25
	C-M8	C-R3	NYISO	RCMS	Annually	26
	C-M9	C-R4	NYISO	RCMS	On Request	27
	C-M10	C-R4	NYISO	RCMS	On Request	28
	C-M11	C-R4	NYISO	RCMS	As Required	29
	C-M12	C-R5	NYISO	RCMS	On Request	30
	C-M13	C-R5	NYISO	RCMS	On Request	31
D.	<b>Operating Reserve</b>		_		T	
	D-M1	D-R1-3	NYISO	RCMS	Monthly	32
	D-M2	D-R1-3	NYISO	RCMS	On Request	33
	D-M3	D-R4	NYISO	RCMS	Monthly	34
Ε.	Transmission Capa				T	
	E-M1	E-R1-3	NYISO	RCMS	On Request	35
	E-M2	E-R1-4	NYISO	RCMS	Monthly	36
	E-M3	E-R5	NYISO	RCMS	On Request	37
	E-M4	E-R6	NYISO	RCMS	On Request	38
	E-M5	E-R6	NYISO	RCMS	As Required	39
	E-M6	E-R8	NYISO	RCMS	On Request	40
	E-M7	E-R8	Equip. Owners	NYISO	As Required	41
F.	Operating During				· · · · · · · · · · · · · · · · · · ·	
	F-M1	F-R1-7	NYISO	RCMS	On Request	42
	F-M2	F-R1-7	NYISO	RCMS	As Required	43
	F-M3	F-R8	NYISO	RCMS	On Request	44
	F-M4	F-R8	TOs	NYISO	Annually	45
	F-M5	F-R5	NYISO	RCMS	Monthly	46
	F-M6	F-R5	NYISO	RCMS	Annually	47

TABLE 4: COMPLIANCE TEMPLATE INDEX

	Measurement/ Compliance Template	Rule	Applicable To	Monitoring Responsibility	Reporting Frequency	Page Number. Reference
G.	<b>System Restoration</b>	1				
	G-M1	G-R1-2	NYISO	RCMS	On Request	48
	G-M2	G-R1	TOs	NYISO	On Request	50
	G-M3	G-R2	GOs	NYISO	On Request	51
	G-M4	G-R3	NYISO	RCMS	On Request	52
Н.	<b>System Protection</b>					
	H-M1	H-R1	NYISO	RCMS	On Request	53
	H-M2	H-R2	NYISO	RCMS	On Request	54
	H-M3	H-R2	NYISO	RCMS	On Request	55
I.	Local Reliability R	ules				
	I-M1	I-R1,3,4	NYISO	RCMS	On Request	56
	I-M2	I-R5	NYISO	RCMS	On Request	57
	I-M3	I-R2	NYISO	RCMS	On Request	58
	I-M4	I-R1-5	NYISO	RCMS	On Request	59
	I-M5	I-R1,3,4	Con Edison	NYISO	On Request	60
	I-M6	I-R5	LIPA	NYISO	On Request	61
J.	NYISO Control Ce	nter Commun	ications			
	J-M1	J-R1-2	NYISO	RCMS	On Request	62
	J-M2	J-R2	NYISO	RCMS	On Request	63
	J-M3	J-R2	NYISO	RCMS	As Required	64
K.	Reliability Assessm	ient				
	K-M1	K-R1	NYISO	RCMS	On Request	65
	K-M2.a	K-R2	NYISO	RCMS	Annually	66
	K-M2.b	K-R2	NYISO	RCMS	Annually	67
	K-M2.c	K-R2	NYISO	RCMS	On Request	68
	K-M2.d	K-R2	NYISO	RCMS	Monthly	69
	K-M2.e	K-R2	NYISO	RCMS	On Request	70
	K-M2.f	K-R2	NYISO	RCMS	On Request	71
	K-M3	K-R3	NYISO	RCMS	On Request	72

# II. COMPLIANCE TEMPLATES

### **RESOURCE ADEQUACY**

**A-M1** 

### **Reliability Rule Reference**

### A-R1 NYCA Installed Reserve Margin Requirement

### Measurement

**A-M1** The NYSRC shall periodically perform resource adequacy studies to update the required statewide installed reserve margin. A report shall be prepared providing the assumptions, procedures, and results of the study.

### Responsibilities

Reporting Frequency: Annually Reporting Responsibility: ICAP WG

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

Levels of Comphanee	
☐ Full (100%) Compliance	The NYSRC ICAP Working Group shall conduct a resource
	adequacy study annually for the following capability period, and
	report the results of the study in accordance with Measurement A-
	M1.
□ Non-Compliance Level 1	Not applicable.
☐ Non-Compliance Level 2	A report was submitted, but was incomplete in one or more areas.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	A report was not submitted.

### **RESOURCE ADEQUACY**

A-M2

### **Reliability Rule Reference**

A-R2 LSE Installed Capacity Requirement

A-R3 External Installed Capacity

### Measurement

A-M2 The NYISO shall prepare a report for the next capability period showing (1) LSE installed reserve margin and capacity requirements so as to meet statewide installed reserve margin requirements, (2) LSE locational installed capacity requirements for applicable NYS zones, such as New York City and Long Island, and (3) the allowable amount of LSE ICAP requirements that may be located externally to the NYCA. The report shall include the procedures, factors, and assumptions utilized by the NYISO to determine these LSE ICAP requirements. The NYISO Installed Capacity Manual shall include procedures to establish LSE ICAP requirements.

### Responsibilities

Reporting Frequency: Annually Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO shall annually conduct analyses to establish LSE and
	locational installed capacity (ICAP) requirements for the next
	capability year. The analyses shall be based on NYCA ICAP
	requirements established by the NYSRC and shall utilize models
	and assumptions consistent with those used by the NYSRC for its
	ICAP requirement study. A report shall be prepared in accordance
	with Measurement A-M2, which addresses the results of the
	study, models utilized, study procedures and assumptions, and
	other study considerations. The report shall further demonstrate
	that the LSE and locational ICAP requirements established by the
	NYISO meets NYSRC Reliability Rules.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	The NYISO report, or analyses of LSE and locational ICAP
	requirements, was incomplete in one or more areas.
□ Non-Compliance Level 3	Analyses of LSE and locational ICAP requirements did not meet
	NYSRC Reliability Rules, or did not meet NYCA ICAP
	requirements established by the NYSRC.
□ Non-Compliance Level 4	Analyses of LSE and locational ICAP requirements were not
	provided.

### **RESOURCE ADEQUACY**

A-M3

### **Reliability Rule Reference**

A-R2 LSE Installed Capacity Requirement

**A-R3** External Installed Capacity

### Measurement

**A-M3** Each LSE shall certify and maintain its ICAP obligation for the next capability period, including any locational and external installed capacity, in accordance with LSE ICAP requirements established by the NYISO Tariff and the NYISO Installed Capacity Manual.

### Responsibilities

Reporting Frequency: Annually Reporting Responsibility: LSEs

Compliance Monitoring Responsibility: NYISO Oversight Review Responsibility: NYSRC RCMS

**Levels of Compliance** 

☐ Full (100%) Compliance	Each LSE must demonstrate that it has procured sufficient
	capacity from Installed Capacity Suppliers to meet its ICAP requirement, in accordance with Measurement A-M3.
	requirement, in accordance with Measurement A-M3.
□ Non-Compliance Level 1	Not applicable.
☐ Non-Compliance Level 2	Not applicable.
☐ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	The LSE fails to comply with NYISO requirements to demonstrate that its has procured sufficient capacity to meet its ICAP obligation.

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### **RESOURCE ADEQUACY**

**A-M4** 

### **Reliability Rule Reference**

### **A-R2** LSE Installed Capacity Requirement

### Measurement

**A-M4** The NYISO shall notify those LSEs that are determined to be deficient in meeting their ICAP requirements, including locational installed capacity requirements, for the next capability period. This notification shall specify appropriate deficiency charges. The NYSRC shall be immediately notified of such capacity deficiencies, including any measures that may be planned to minimize reliability impacts.

### Responsibilities

Reporting Frequency: As Required Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO shall immediately notify the NYSRC when a LSE
	fails to demonstrate that it meets its ICAP requirement for the
	next capability period, in addition to other requirements specified
	in Measurement A-M4.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	Not applicable.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	The NYISO does not notify the NYSRC when an LSE fails to
_	demonstrate that it meets its ICAP requirement for the next
	capability period.

### TRANSMISSION CAPABILITY - PLANNING

B-M1

### **Reliability Rule Reference**

B-R1	Thermal Assessment
B-R2	Voltage Assessment
B-R3	Stability Assessment
<b>B-R7</b>	Fault Current Assessment

### Measurement

**B-M1** 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.

### Responsibilities

Reporting Frequency: Annually Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO shall annually assess the performance of the planned
	NYS bulk power transmission system in meeting thermal,
	voltage, fault duty and stability criteria in accordance with
	NYSRC Reliability Rules B-R1, B-R2, B-R3, and B-R7, and
	Measurement B-M1. These assessments must indicate that the
	planned NYS bulk power transmission system is compliant with
	Reliability Rules. Documentation of results of these reliability
	assessments shall be reported annually to the NYSRC in
	accordance with Measurement K-M2.a.
□ Non-Compliance Level 1	The NYISO assessment was completed and submitted. However,
-	the NYS bulk power transmission system was found to be non-
	compliant with Reliability Rules B-R1, B-R2, B-R3 or B-R7. The
	NYISO submitted an acceptable plan and schedule for addressing
	the area(s) of noncompliance.
□ Non-Compliance Level 2	Not applicable.
□ Non-Compliance Level 3	The NYISO assessment was completed and submitted. However,
	the NYSRC bulk power transmission system was found to be
	non-compliant with Reliability Rules B-R1, B-R2, B-R3, or B-
	R7. The NYISO either failed to submit a plan and schedule to
	meet the Reliability Rules, or the plan was found to be
	unacceptable.
☐ Non-Compliance Level 4	The NYISO assessment was not submitted.

### TRANSMISSION CAPABILITY – PLANNING

**B-M2** 

### **Reliability Rule Reference**

**B-R4** Extreme Contingency Assessment

### Measurement

**B-M2** The NYISO shall assess the risks and system performance resulting from the extreme contingencies in Table B of the NYSRC Reliability Rules, 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.

### Responsibilities

Reporting Frequency: Annually Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

Levels of Compitance	
☐ Full (100%) Compliance	The NYISO shall annually assess the risks and system
	performance resulting from extreme contingencies of the planned
	NYS bulk power transmission system in accordance with NYSRC
	Reliability Rule B-R4 and Measurement B-M2. When
	simulations indicate that the system could become unstable, the
	NYISO shall document measures and procedures to mitigate or
	eliminate the extent and effects on system performance and loss
	of customer demand. Documentation of results of these reliability
	assessments shall be reported annually to the NYSRC in
	accordance with Measurement K-M2.a.
□ Non-Compliance Level 1	Simulation testing was completed in accordance with B-R4;
	however, mitigation measures were not fully explored for all
	conditions analyzed.
□ Non-Compliance Level 2	Not applicable.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	Simulation testing was not completed in accordance with B-R4.

### TRANSMISSION CAPABILITY - PLANNING

**B-M3** 

### **Reliability Rule Reference**

B-R5 Restoration

### Measurement

**B-M3** The NYISO shall demonstrate that the system is planned considering ease of system restoration.

### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

Ectels of compliance			
☐ Full (100%) Compliance	The annual NYCA Transmission Review required by		
, , , ,	Measurement K-M2.a shall include an assessment demonstrating		
	the ease of system restoration, in accordance with Measurement		
	B-M3.		
□ Non-Compliance Level 1	Not applicable.		
□ Non-Compliance Level 2	An assessment to demonstrate the ease of system restoration was		
	not included in the annual NYCA Transmission Review.		
□ Non-Compliance Level 3	Not applicable.		
□ Non-Compliance Level 4	Not applicable.		

### TRANSMISSION CAPABILITY - PLANNING

**B-M4** 

### **Reliability Rule Reference**

**B-R6** List of NYS Bulk Power System Facilities

### Measurement

**B-M4** The NYISO shall establish and maintain a procedure for developing a list of NYS Bulk Power System facilities. On request, the NYISO shall submit this procedure and list of NYS Bulk Power System facilities to the NYSRC for review. The NYS Bulk Power System facilities list shall be published in the annual NYISO "Load and Capacity Data Report" or other publication approved by the NYSRC.

### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO shall establish and maintain a procedure for	
	developing a list of NYS Bulk Power System facilities and	
	publish this list, in accordance with Measurement B-M4.	
□ Non-Compliance Level 1	Not applicable.	
□ Non-Compliance Level 2	Documentation of NYISO procedures for developing and	
	maintaining a list of NYS Bulk Power System facilities was	
	incomplete in one or more areas.	
□ Non-Compliance Level 3	Not applicable.	
□ Non-Compliance Level 4	The list of NYS Bulk Power System facilities was not published	
	as required, or documentation of procedures for developing and	
	maintaining the list of NYS Bulk Power System Facilities was not	
	provided.	

### RESOURCE, SYSTEM & DEMAND DATA REQUIREMENTS

C-M1

### **Reliability Rule Reference**

**C-R1** Verification Testing of Resource Capacity

### Measurement

**C-M1** The NYISO shall establish and maintain procedures for resource capacity data verification testing or demonstration for all equipment utilized for providing installed capacity and reactive power capacity to the NYCA.

The data to be provided to the NYISO shall include resource net dependable capacity for all resources that are participating in the NYISO installed capacity market, and reactive power capacity for all resources that are voltage support ancillary service providers. The procedures shall include requirements for resource providers to provide to the NYISO the net MW at the time of the DMNC test, and the net MW and net MVAr quantities taken simultaneously at the time of the reactive power capability test. These reactive power tests shall be undertaken for both leading and lagging reactive power operation. The resource capacity data shall include the actual test date(s) for each generator.

The NYISO shall provide dependable net capacity and reactive power capacity data to the operating function of the Transmission Owner that the resource connects to, within 60 calendar days following the close of the capability period. Documentation of the NYISO procedures and verification results shall be provided to the NYSRC upon request.

### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO shall establish and maintain resource capacity
	verification procedures in accordance with Measurement C-M1.
	The schedule for the testing of generation equipment and the
	schedule for submission of the verification or tests to the NYISO
	shall be included in these NYISO procedures. The dependable net
	capacity and reactive capacity data shall be forwarded to the
	operating function of the Transmission Owner in accordance with
	time requirements specified in C-M1.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	Documentation of NYISO procedures for resource capacity
	equipment testing was incomplete in one or more areas.
□ Non-Compliance Level 3	The NYISO did not provide capacity data to the Transmission
	Owners within the time requirements specified in Measurement
	C-M1.

□ Non-Compliance Level 4	Documentation	of NYISO	procedures	for	resource	capacity
	equipment testin	ng was not pro	ovided.			

### RESOURCE, SYSTEM & DEMAND DATA REQUIREMENTS

C-M2

### **Reliability Rule Reference**

C-R1 Verification Testing of Resource Capacity

### Measurement

**C-M2** Owners of resources responsible for providing ICAP shall verify the net dependable capacity of their equipment and report these results to the NYISO in accordance with NYISO procedures and schedules as required in Measurement C-M1.

### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO certifies that all applicable generation owners			
	responsible for providing ICAP verified the net dependable			
	capacity of their equipment and reported these results to the			
	NYISO as specified by NYISO procedures and schedules under			
	Measurement C-M1, in accordance with Measurement C-M2.			
□ Non-Compliance Level 1	The NYISO certified that one or more generation owners failed to			
	submit test results to the NYISO on schedule			
□ Non-Compliance Level 2	The NYISO certified that dependable net capacity verification			
	testing reports were incomplete in one or more areas for one or			
	more generation owners, as specified by NYISO procedures.			
□ Non-Compliance Level 3	Not applicable.			
□ Non-Compliance Level 4	The NYISO certified that verification tests of resource capacity			
	net dependable capacity was either not completed, or testing			
	results not provided to the NYISO, as specified by NYISO			
	procedures and schedules, for one or more generator owners.			

### RESOURCE, SYSTEM & DEMAND DATA REQUIREMENTS C-M3

### **Reliability Rule Reference**

### C-R1 Verification Testing of Resource Capacity

### Measurement

**C-M3** The NYISO certifies that all applicable generation owners performed tests to verify the reactive power capacity for their generators, and reported these test results to the NYISO as specified by NYISO procedures and schedules under Measurement C-M1, in accordance with Measurement C-M3.

### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO certified that one or more generation owners failed to submit test results to the NYISO on schedule.
□ Non-Compliance Level 1	The NYISO certified that generator reactive power capacity verification testing reports were incomplete in one or more areas for one or more generator owners, as specified by NYISO procedures.
□ Non-Compliance Level 2	Reports providing verification of generator reactive power capacity test results were incomplete.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	The NYISO certified that generator reactive power capacity verification tests was either not completed, or testing results not provided to the NYISO, as specified by NYISO procedures and schedules, for one or more generator owners.

### RESOURCE, SYSTEM & DEMAND DATA REQUIREMENTS C-M4

### **Reliability Rule Reference**

### C-R2 Resource Availability Requirements

### Measurement

**C-M4** The NYISO shall establish and maintain procedures and schedules for reporting of outage and load response data to the NYISO for those ICAP resources, as well energy-only resources, serving the NYCA.

### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO shall establish Installed Capacity Provider				
	requirements for reporting resource availability data to the				
	NYISO, in accordance with Measurement C-M4.				
□ Non-Compliance Level 1	Not applicable.				
□ Non-Compliance Level 2	NYISO procedures for reporting of resource availability data have				
-	been prepared, but they are incomplete in one or more areas.				
□ Non-Compliance Level 3	Not applicable.				
□ Non-Compliance Level 4	NYISO procedures for reporting of resource availability data have				
	not been prepared.				

### RESOURCE, SYSTEM & DEMAND DATA REQUIREMENTS C-M5

### **Reliability Rule Reference**

### C-R2 Resource Availability Requirements

### Measurement

**C-M5** Owners of resources located in or serving the NYCA shall provide to the NYISO appropriate resource outage and load response data for their units in accordance with NYISO procedures and schedules.

### Responsibilities

Reporting Frequency: Monthly

Reporting Responsibility: ICAP Providers Compliance Monitoring Responsibility: NYISO Oversight Review Responsibility: NYSRC RCMS

☐ Full (100%) Compliance	Installed capacity providers shall submit operating data to the NYISO in accordance with Measurement C-M5 and NYISO reporting requirements.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	Installed capacity providers submitted a resource outage or load response data report to the NYISO, but the information provided did not comply with NYISO reporting requirements.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	The installed capacity provider did not submit a report.

### RESOURCE, SYSTEM & DEMAND DATA REQUIREMENTS C-M6

### **Reliability Rule Reference**

### C-R2 Resource Availability Requirements

### Measurement

**C-M6** The NYISO shall annually prepare, from outage and load response data received under C-M5, a document depicting outage and load response data applicable to reliability analysis, recognizing applicable confidentiality requirements. The report shall include statewide resource class statistics, averaged for an appropriate historical period.

### Responsibilities

Reporting Frequency: Annually Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

**Levels of Compliance** 

☐ Full (100%) Compliance	The NYISO shall prepare a document showing historical statistics and trends regarding the performance of resource facilities in accordance with Measurement C-M6, which shall be submitted to the NYSRC. This document shall be updated annually.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	A resource availability document was provided to the NYSRC, but was incomplete in one or more areas.
□ Non-Compliance Level 3	Not applicable.
☐ Non-Compliance Level 4	The required resource availability document was not prepared.

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### RESOURCE, SYSTEM & DEMAND DATA REQUIREMENTS

**C-M7** 

### **Reliability Rule Reference**

**C-R3** Load Forecasting

### Measurement

C-M7 The NYISO shall have documentation identifying the scope and details of the actual and forecast (a) demand data and (b) net energy for load data to be reported for system modeling and reliability analyses. The documentation of the scope and details of the data reporting requirements shall be available to the NYSRC on request.

### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO shall prepare procedures specifying load data
	requirements in accordance with Measurement C-M7, which shall
	address the data requirements in Measurement C-M8, as well as a
	schedule for reporting this data.
□ Non-Compliance Level 1	Procedures specifying load data requirements were incomplete in
	one or more areas.
□ Non-Compliance Level 2	Not applicable.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	Procedures specifying load data requirements were not provided.

### RESOURCE, SYSTEM & DEMAND DATA REQUIREMENTS

**C-M8** 

### **Reliability Rule Reference**

**C-R3** Load Forecasting

### Measurement

**C-M8** The following information shall be provided annually to the NYSRC as specified by NYISO procedures required under C-M7:

- a. Annual peak hour actual demands in megawatts (MW) and net energy for load in gigawatthours (GWh) for the prior year, on an aggregated statewide and transmission district basis.
- b. Annual peak hour forecast demands in MW (summer and winter) in MW and annual net energy in GWh for at least five years and up to ten years into the future, on an aggregated statewide and transmission owner basis. In addition, annual peak hour forecast demands for the NYCA zones, for a specified future period, will be provided to the NYSRC on request.

### Responsibilities

Reporting Frequency: Annually Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	Aggregated actual and forecast demand and net energy for load
	data shall be provided in accordance with Measurement C-M8.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	Actual and forecast demand and energy data was not provided in
	one or more of the areas as required by Measurement C-M8.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	No actual and forecast demand and energy data, as required by
	Measurement C-M8, was provided.

### RESOURCE, SYSTEM & DEMAND DATA REQUIREMENTS

**C-M9** 

### **Reliability Rule Reference**

### **C-R4** System Data Requirements

### Measurement

**C-M9.** The NYISO shall establish and maintain a procedure for the development and maintenance of load flow, short-circuit, and stability data bases. This procedure shall include Market Participant requirements to report to the NYISO and Transmission Owners verified changes to equipment parameters that affect these data bases. The procedure shall address appropriate time requirements for reporting such data base changes.

### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO shall has in place a procedure for the development and maintenance of load flow, short-circuit and stability data bases, including Market Participant requirements to report data base changes to the NYISO and Transmission Owners, in accordance with Measurement C-M9. This procedure also addresses time requirements for reporting data base changes.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	A NYISO procedure for development and maintenance of load flow, short-circuit, and stability data bases has been prepared, but was incomplete in one or more areas.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	A NYISO procedure for development and maintenance of load flow, short-circuit, and stability data bases has not been prepared.

### RESOURCE, SYSTEM & DEMAND DATA REQUIREMENTS C-M10

### **Reliability Rule Reference**

### **C-R4** System Data Requirements

### Measurement

C-M10 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 Measurement C-M9. These data bases shall be made available per NYISO procedures.

### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	Load flow, short-circuit, and stability data bases shall be updated as specified by NYISO procedures and schedules, in accordance with Measurement C-M10.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	Load flow, short-circuit, or stability data bases have not updated as specified by NYISO procedures and schedules.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	None of the load flow, short-circuit, and stability data bases have been updated as specified by NYISO procedures and schedules.

### RESOURCE, SYSTEM & DEMAND DATA REQUIREMENTS C-M11

### **Reliability Rule Reference**

### **C-R4** System Data Requirements

### Measurement

C-M11 Transmission Owners and other designated Market Participants shall provide to the NYISO load flow, short-circuit, and stability data in the time frame and format as specified by NYISO procedures required under Measurement C-M9. This data will be used to maintain up-to-date data bases required under Measurement C-M10.

### Responsibilities

Reporting Frequency: As Required Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO certified that all Transmission Owners or other designated Market Participants provided the NYISO with load
	flow, short circuit, and stability data bases in accordance with Measurement C-M11.
□ Non-Compliance Level 1	The NYISO certified that the required data was complete, but was not submitted to the NYISO by the specified time by one or more designated Market Participants.
□ Non-Compliance Level 2	The NYISO certified that the required data was submitted to the NYISO on time, but was incomplete in one or more areas for one or more designated Market Participants.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	The NYISO certified that the required data from one or more designated Market Participants was not submitted to the NYISO.

### **Disturbance Recording**

**C-M12** 

### **Reliability Rule Reference**

**C-R5** Disturbance Recording

### Measurement

C-M12 The NYISO shall develop requirements and procedures for the installation of disturbance recording devices and the reporting of data to assist in the analysis of NYCA performance during system disturbances. The NYISO shall maintain a database of all NYCA disturbance recording device installations.

### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO has in place requirements and procedures for the installation of disturbance recording devices in the NYCA and the reporting of data to assist in the conduct of system disturbance analyses, in accordance with Measurement C-M12. This
	documentation shall be provided to the NYSRC on request.
□ Non-Compliance Level 1	Documentation providing NYISO requirements and procedures for the installation of disturbance recording devices and the reporting of data to assist in the conduct of system disturbance analyses was complete, but the required database of NYCA disturbance recording devices was not provided.
□ Non-Compliance Level 2	The NYISO had in place documentation providing requirements and procedures for the installation of dynamic recording devices and the reporting of data to assist in the conduct of system disturbance analyses, but was incomplete in one or more areas.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	The NYISO did not have documentation providing requirements and procedures for the installation of installation of disturbance monitoring devices and the reporting of data to assist in the conduct of system disturbance analyses.

### **Disturbance Recording**

**C-M13** 

### **Reliability Rule Reference**

**C-R5** Disturbance Recording

### Measurement

C-M13 Market Participants shall install disturbance monitoring devices and report data in accordance with NYISO requirements and procedures.

### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

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☐ Full (100%) Compliance	The NYISO certifies that all Market Participants have installed
	disturbance monitoring devices and reported data in accordance
	with Measurement C-M13. This documentation shall be provided
	to the NYSRC on request.
□ Non-Compliance Level 1	The NYISO certified that all Market Participants installed
	disturbance recording devices as required by NYISO procedures,
	but that one or more Market Participants did not report data
	provided by these recordings to the NYISO, as required by these
	NYISO procedures.
□ Non-Compliance Level 2	Not Applicable
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□ Non-Compliance Level 3	The NYISO certified that one or more Market Participants did not
	comply with NYISO requirements by failing to install disturbance
	recording devices as required by NYISO procedures.
□ Non-Compliance Level 4	Not Applicable

### **OPERATING RESERVES**

**D-M1** 

### **Reliability Rule Reference**

**D-R1** Operating Resource Adequacy

**D-R2** Minimum Operating Reserve Requirement

**D-R3** Availability and Category

### Measurement

**D-M1** The NYISO shall maintain statistics regarding daily forecasted and actual reserves, and shall report these statistics to the NYSRC on a monthly basis. The statistics shall include 10 minute synchronized, 10 minute non-synchronized, and 30 minute operating reserves. The report shall distinguish between any locational operating reserves.

### Responsibilities

Reporting Frequency: Monthly Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

Devels of Compitance	
☐ Full (100%) Compliance	In accordance with Measurement D-M1, the NYISO shall provide a monthly report which compares forecasted versus actual operating reserve in all categories as described in Reliability Rules D-R1 to D-R3. The report must also distinguish between the need to maintain operating reserve requirement for the NYCA and the locational operating reserve needs of New York City as outlined in the Local Reliability Rules I-R1 and I-R2.
□ Non-Compliance Level 1	The report did not provide all of the required information.
□ Non-Compliance Level 2	The report indicated that the NYISO did not maintain system operating reserve consistent with Reliability Rules D-R1 to D-R3 or Local Reliability Rules I-R1 and I-R2.
□ Non-Compliance Level 3	Not applicable.
☐ Non-Compliance Level 4	A report was not prepared or not submitted.

### **OPERATING RESERVES**

D-M2

### **Reliability Rule Reference**

- **D-R1** Operating Resource Adequacy
- **D-R2** Minimum Operating Reserve Requirement
- **D-R3** Availability and Category
- **D-R4** Restoration of Ten (10) Minute Reserves

### Measurement

**D-M2** The NYISO shall maintain procedures and systems that ensure the adequacy of operating reserves, and shall provide documentation of these procedures and systems. The NYISO must notify the NYSRC of any changes to these procedures and systems.

### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

□ Full (100%) Compliance	In accordance with Measurement D-M2, NYISO shall have procedures consistent with maintaining the requirements for operating resource adequacy (D-R1), and the requirement to maintain availability and minimum level in all operating reserve categories (D-R2 and D-R3). NYISO commitment and dispatch systems maintain systems shall maintain resources and operating reserve consistent with the requirements of Reliability Rules D-R1 to D-R4. To the extent necessary these procedures and systems shall take into consideration Local Reliability Rules I-R1 and I-R2. The NYISO shall notify NYSRC of any changes to the procedures or systems.
□ Non-Compliance Level 1	NYISO did not have adequate procedures or systems in place, or failed to notify NYSRC of a change to its procedures or systems.
□ Non-Compliance Level 2	Not applicable.
□ Non-Compliance Level 3	Not applicable.
☐ Non-Compliance Level 4	The NYISO did not provide the required procedures.

### **OPERATING RESERVES**

D-M3

### **Reliability Rule Reference**

D-R4 Restoration of Ten (10) Minute Reserve

### Measurement

**D-M3** The NYISO shall monthly report to the NYSRC the response of the system to restore ten (10) minute operating reserve after the loss of a major unit (>300MW). For each incident this report shall identify the MW capacity lost; the 10 minute and 30 minute operating reserves prior to the incident; and the area control error (ACE), 10 minute, and 30 minute operating reserves at a period of time 10 minutes and 30 minutes after the incident.

Responsibilities

Reporting Frequency: Monthly Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO shall provide specific details consistent with Reliability Rule D-R4, and as outlined in Measurement D-M3, with respect to the restoration of (10) minute operating reserve after a reportable event, as part of a monthly operating report.
□ Non-Compliance Level 1	The report did not provide all of the required information.
□ Non-Compliance Level 2	The report indicated non -compliance with maintaining system operating resource adequacy.
□ Non-Compliance Level 3	The report indicated non- compliance with maintaining operating resource adequacy and operating reserve requirements.
□ Non-Compliance Level 4	The report indicated non-compliance as outlined in Non-Compliance Level 3 and indicates that the NYISO did not meet the requirements for restoration of operating reserve after a reportable event.

#### TRANSMISSION CAPABILITY - OPERATING

**E-M1** 

#### **Reliability Rule Reference**

E-R1	Thermal Assessment	
E-R2	Voltage Assessment	
E-R3	Stability Assessment	

#### Measurement

**E-M1** The NYISO shall maintain procedures and systems that ensure that appropriate actions are taken when thermal, voltage, and/or stability limits are violated. The NYISO must notify the NYSRC of any changes to these procedures and systems.

#### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO shall maintain procedures and systems in accordance
	with Measurement E-M1 which identify appropriate actions to be
	taken whenever the bulk power transmission system's thermal,
	voltage, and stability limits are violated. Any revisions to these
	procedures or systems must be reported to the NYSRC.
□ Non-Compliance Level 1	Revisions to existing procedures or systems were not reported to
	the NYSRC.
□ Non-Compliance Level 2	Documentation of NYISO procedures and systems for violation
-	of thermal, voltage, and stability limits was incomplete in one or
	more areas.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	Documentation of NYISO procedures and systems for violation
	of thermal, voltage, and stability limits was not provided.

#### TRANSMISSION CAPABILITY - OPERATING

**E-M2** 

#### **Reliability Rule Reference**

**E-R1** Thermal Assessment

E-R2 Voltage Assessment

**E-R3** Stability Assessment

**E-R4** Post-Contingency Operation

#### Measurement

**E-M2** Every month the NYISO shall report to the NYSRC on the performance of the transmission system (E-R1 through E-R4), with respect to the number of transmission facilities and amount of time that each of those facilities exceeded operating constraints, including pre-contingency thermal and voltage limits, post-contingency thermal and voltage limits, and stability limits.

#### Responsibilities

Reporting Frequency: Monthly Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO shall, on a monthly basis, submit a report to the NYSRC on the performance of the transmission system, in accordance with NYSRC Reliability Rules E-R1, E-R2, E-R3, E-R4 and Measurement E-M2.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	The NYISO report was provided, but was incomplete in one or
	more areas.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	The NYISO report was not provided.

#### TRANSMISSION CAPABILITY - OPERATING

**E-M3** 

#### **Reliability Rule Reference**

E-R5 Outage Coordination

#### Measurement

**E-M3** The NYISO shall maintain procedures and systems which ensure that outages of transmission facilities are coordinated in such a manner to ensure reliability. The NYISO must notify the NYSRC of any changes to these procedures and systems.

#### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO shall maintain transmission outage coordination
	procedures and systems in accordance with Measurement E-M3.
	Any revisions to these procedures or systems must be reported to
	the NYSRC.
□ Non-Compliance Level 1	Revisions to existing procedures or systems were not reported to
	the NYSRC.
□ Non-Compliance Level 2	Documentation of NYISO procedures and systems for
	coordination of transmission facility outages was incomplete in
	one or more areas.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	Documentation of NYISO procedures and systems for
	coordination of transmission facility outages was not provided.

#### TRANSMISSION CAPABILITY - OPERATING

**E-M4** 

#### **Reliability Rule Reference**

E-R6 Operation During Impending Severe Weather

E-R7 Operation During a Severe Solar Magnetic Disturbance

#### Measurement

**E-M4** The NYISO shall maintain procedures and systems which allow for more stringent operating restrictions prior to, and during, severe weather conditions, and severe solar magnetic disturbances. The NYISO must notify the NYSRC of any changes to these procedures and systems.

#### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO shall maintain procedures and systems for operation during severe impending weather or solar magnetic disturbances in accordance with Measurement E-M4. Any revisions to these
	procedures or systems must be reported to the NYSRC.
□ Non-Compliance Level 1	Revisions to existing procedures or systems were not reported to the NYSRC.
□ Non-Compliance Level 2	Documentation of NYISO procedures and systems for operation during severe impending weather or solar magnetic disturbances was incomplete in one or more areas.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	Documentation of NYISO procedures and systems for operation during severe impending weather or solar magnetic disturbances was not provided.

#### TRANSMISSION CAPABILITY - OPERATING

**E-M5** 

### **Reliability Rule Reference**

E-R6 Operation During Impending Severe Weather

E-R7 Operation During a Severe Solar Magnetic Disturbance

#### Measurement

**E-M5** The NYISO shall report to the NYSRC when more stringent operating restrictions were imposed due to severe weather conditions and severe solar magnetic disturbances, and summarize the actions taken.

#### Responsibilities

Reporting Frequency: As Required Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

Levels of Comphance	
☐ Full (100%) Compliance	The NYISO shall report to the NYSRC whenever more stringent
	operating conditions were imposed as a result of severe weather
	conditions or severe solar magnetic disturbances in accordance
	with Measurements E-M5.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	NYSRC was notified but summary of actions taken was not
-	provided.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	NYSRC was not notified.

### TRANSMISSION CAPABILITY - OPERATING

**E-M6** 

### **Reliability Rule Reference**

### E-R8 Fault Current Assessment

#### Measurement

<b>E-M6</b> a.	The NYISO shall perform pre-seasonal assessments, and additional
	re-evaluations if required by system changes, to evaluate fault duty
	at each NYS Bulk Power System station. The NYISO shall notify
	the applicable equipment owner and other potentially affected
	Market Participants of any location expected to exceed equipment ratings.
b.	After the equipment owner has reported its findings on the
0.	NYISO's assessment (as required by Measurement E-M7), the
	NYISO, in consultation with the equipment owner and the other
	potentially affected Market Participants, shall develop, if
	necessary, an appropriate mitigation plan.

### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO shall (a) perform fault duty assessments, and (b)
	develop mitigation plans, if necessary, in accordance with
	Measurement E-M6. Documentation of these assessments and
	mitigation plans shall be reported to the NYSRC as requested.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	Not applicable.
□ Non-Compliance Level 3	The required fault duty assessment was completed, but the NYISO failed to notify breaker owners of pending conditions whereby fault duty levels may exceed appropriate ratings in sufficient time to permit the condition from being prevented.
□ Non-Compliance Level 4	The required fault duty assessment was not completed; or the fault duty assessment was completed, but the NYISO failed to develop the required mitigation plan.

#### TRANSMISSION CAPABILITY - OPERATING

**E-M7** 

#### **Reliability Rule Reference**

#### **E-R8** Fault Current Assessment

#### Measurement

E-M7 After evaluating and considering the NYISO assessment concerning a location for which fault duty levels may exceed appropriate equipment ratings (as required by Measurement E-M6a), the applicable equipment owner shall assess the condition and report its findings to the NYSIO.

#### Responsibilities

Reporting Frequency: As Required

Reporting Responsibility: Equipment Owner Compliance Monitoring Responsibility: NYISO Oversight Review Responsibility: RCMS

Levels of compliance		
☐ Full (100%) Compliance	The applicable equipment owner shall evaluate a NYISO	
	assessment concerning a location for which fault duty levels may	
	exceed equipment ratings and report its findings to the NYISO, in	
	accordance with Measurement E-M7.	
□ Non-Compliance Level 1	Not applicable.	
□ Non-Compliance Level 2	Not applicable.	
□ Non-Compliance Level 3	The equipment owner did not evaluate the NYISO assessment	
_	and report its findings to the NYISO.	
□ Non-Compliance Level 4	Not applicable.	

#### **OPERATION DURING MAJOR EMERGENCIES**

**F-M1** 

### **Reliability Rule Reference**

- F-R1 Transmission Thermal Overloads
- F-R2 Post-Contingency STE Rating Violations
- F-R3 High or Low Voltage
- F-R4 Post-Contingency Voltage
- F-R5 Operating Reserve Deficiency
- F-R6 Stability Limit Violation
- F-R7 Low Frequency

#### Measurement

**F-M1** The NYISO shall maintain procedures and systems that ensure that appropriate actions are taken when frequency, reserves, thermal, voltage, and/or stability limits are violated. The NYISO must notify the NYSRC of any changes to these procedures and systems.

#### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

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☐ Full (100%) Compliance	The NYISO shall maintain procedures and systems in accordance with Measurement F-M1, to ensure that all market participants will respond correctly when frequency, reserves and thermal,	
	voltage and/or stability limits are violated.	
□ Non-Compliance Level 1	Not applicable.	
□ Non-Compliance Level 2	NYISO procedures were provided, but were incomplete in one or	
	more areas.	
□ Non-Compliance Level 3	Not applicable.	
□ Non-Compliance Level 4	Procedures were not provided by the NYISO.	

#### **OPERATION DURING MAJOR EMERGENCIES**

**F-M2** 

#### **Reliability Rule Reference**

F-R1 Transmission Thermal Overloads

F-R2 Post-Contingency STE Rating Violations

F-R3 High or Low Voltage

F-R4 Post-Contingency Voltage

F-R5 Operating Reserve Deficiency

F-R6 Stability Limit Violation

F-R7 Low Frequency

#### Measurement

**F-M2** The NYISO shall report to the NYSRC on every instance of a major emergency. Included in this report shall be a description of the incident, a summary of conditions that warranted the change to a major emergency state, a summary of actions taken, and the effectiveness of those actions. A preliminary report shall be provided to the NYSRC within one week of the incident; and a final report, if requested by the NYSRC, shall be provided within one month following the incident.

### Responsibilities

Reporting Frequency: As Required Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO shall provide a preliminary report of major emergencies within one week of an incident. I addition, if requested by the NYSRC, a final report shall be provided within one month following the incident. These reports shall be prepared in accordance with Measurement F-M2 and shall demonstrate what NYISO actions were taken and their effectiveness for meeting NYSRC Reliability Rules.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	The required reports were provided following a major emergency, but at least one report was incomplete in one or more areas.
□ Non-Compliance Level 3	The required major emergency reports were provided, but a review indicated that the NYCA system was not operated in accordance with NYSRC Reliability Rules.
□ Non-Compliance Level 4	At least one of the required major emergency reports was not provided following a reportable incident.

#### **OPERATION DURING MAJOR EMERGENCIES**

F-M3

#### **Reliability Rule Reference**

F-R8 Load Shedding Allocation

#### Measurement

**F-M3** 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.

#### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO shall maintain procedures for ensuring that sufficient
	load shedding capability exists in accordance with Measurement
	F-M3. These procedures should include transmission owner
	reporting requirements (see F-M4) and the conduct of NYISO
	analyses to ensure that sufficient load shedding is available to
	meet the load shedding requirements.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	Procedures for ensuring that sufficient load shedding capability
_	exists were provided, but were incomplete in one or more areas.
□ Non-Compliance Level 3	The required procedures were complete; however, analyses to
-	ensure that sufficient load shedding is available were incomplete.
□ Non-Compliance Level 4	The required procedures were not provided.

#### **OPERATION DURING MAJOR EMERGENCIES**

**F-M4** 

#### **Reliability Rule Reference**

F-R8 Load Shedding Allocation

#### Measurement

**F-M4** 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. The NYISO shall annually report compliance of this requirement to the NYSRC.

#### Responsibilities

Reporting Frequency: Annually Reporting Responsibility: TO

Compliance Monitoring Responsibility: NYISO Oversight Review Responsibility: NYSRC RCMS

☐ Full (100%) Compliance	Each transmission owner shall report to the NYISO load shedding documentation in accordance with NYISO procedures (see F-M3) and as required under Measurement F-M3, to ensure that sufficient automatic and manual load shedding is available to meet NYISO requirements.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	Load shedding documentation was provided, but was incomplete
	in one or more areas.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	Load shedding documentation was not provided.

#### **OPERATION DURING MAJOR EMERGENCIES**

F-M5

#### **Reliability Rule Reference**

F-R5 Operating Reserve Deficiency

#### Measurement

**F-M5** Every month the NYISO shall report to the NYSRC on the following emergency actions that were initiated: emergency assistance from neighboring Control Areas, manual (local) voltage reductions, quick response (remote control) voltage reductions (5 and 8%), voluntary load curtailment, public appeals, Special Case Resources, Emergency Demand Response Program, and load shedding. For each emergency action the report shall include: (a) the date of the emergency action; (b) the zone(s) where the emergency action was implemented; (c) an estimate of the MW capacity addition or load relief achieved, by zone; and (d) the reason(s) why the emergency action was implemented.

#### Responsibilities

Reporting Frequency: Monthly Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO shall, on a monthly basis, submit a report to the NYSRC on emergency actions that were initiated, in accordance with Measurement F-M5.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	The NYISO report was provided, but was incomplete in one or
	more areas.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	The NYISO report was not provided.

### **OPERATION DURING MAJOR EMERGENCIES**

**F-M6** 

#### **Reliability Rule Reference**

F-R5 Operating Reserve Deficiency

#### Measurement

**F-M6** The NYISO shall institute a statewide voltage reduction test during the summer capability period of each year if statewide voltage reduction has not been called for during the early portion of the summer. The results of the test or actual voltage reduction shall be recorded and provided to the NYSRC every year.

#### Responsibilities

Reporting Frequency: Annually Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: RCMS

Oversight Review Responsibility: N/A

Ectels of Compilative	
☐ Full (100%) Compliance	The NYISO shall annually provide the results of test or actual
	statewide voltage reduction within an appropriate time period to
	the NYSRC, in accordance with Measurement F-M6
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	A statewide voltage reduction test was performed if required, but
_	the results of this test or actual voltage reduction were not
	provided to the NYSRC within an appropriate time period.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	A statewide voltage reduction test, if required, was not performed.

#### SYSTEM RESTORATION

G-M1

#### **Reliability Rule Reference**

**G-R1** Emergency Restoration Procedures

**G-R2** Blackstart Resources

#### Measurement

G-M1

The NYISO shall establish and maintain a coordinated system restoration plan. The plan shall include a blackstart capability procedure that will be coordinated, as appropriate, with the blackstart capability plans of transmission owners and neighboring control areas. Further, the NYISO shall maintain a record of all system blackstart generators. This record shall include the name, location, MW capacity, type of unit, and starting method of each blackstart generating unit. The NYISO shall require that all blackstart generators demonstrate, at least annually, that the unit can perform intended functions as required in the NYISO System Restoration Plan. In addition to blackstart generators, the NYISO shall maintain an inventory of other key facilities and their critical components required for the restoration of the NYS Transmission System, including testing requirements of such critical components in accordance with the NPCC Document A-3. (G-R1 and G-R2)

#### Responsibilities

Reporting Frequency: Annually Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

Levels of Compliance	
□ Full (100%) Compliance	<ul> <li>The NYISO shall establish a system restoration plan to reestablish the NYS bulk power system in a stable and orderly manner in the event of a partial or total shut down of the system in accordance with Measurement G-M1, including: <ol> <li>Identification of the relationships and responsibilities of the personnel necessary to the restoration.</li> <li>All blackstart capability units performing their intended functions as required by the NYISO restoration plan through simulation and testing.</li> <li>Testing requirements of blackstart generators to meet the timing and delivery of generation for the NYISO restoration plan.</li> <li>Contingency plans for failed resources.</li> <li>The necessary operating instructions and procedures for synchronizing areas of NYCA that have become separated.</li> <li>The necessary operating instructions and procedures for restoring load, including identification of critical load requirements.</li> </ol> </li> </ul>
·	

□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	The NYISO restoration plan was provided, but was incomplete in
	one or more areas.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	The NYISO restoration plan was not provided.

#### **SYSTEM RESTORATION**

G-M2

#### **Reliability Rule Reference**

**G-R1** Emergency Restoration Procedures

#### Measurement

**G-M2** Each transmission owner shall establish and maintain a blackstart capability procedure for facilities under its control and shall coordinate such procedures with those of the NYISO.

#### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: TOs

Compliance Monitoring Responsibility: NYISO Oversight Review Responsibility: NYSRC RCMS

**Levels of Compliance** 

☐ Full (100%) Compliance	Each Transmission Owner shall establish and maintain a blackstart capability procedure for facilities under its control and shall coordinate such procedures with those of the NYISO in accordance with Measurement G-M2, including verification that its blackstart generating capacity is sufficient to meet NYISO restoration plan expectations. The Transmission Owner shall provide its blackstart capability procedure to the NYISO on request.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	The blackstart capability procedure was provided to the NYISO and was compliant with the NYISO restoration plan, but was incomplete in one or more areas.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	The blackstart capability procedure was not compliant with the NYISO restoration plan, or was not provided to the NYISO.

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#### **SYSTEM RESTORATION**

G-M3

#### **Reliability Rule Reference**

### **G-R2** Blackstart Resources

#### Measurement

G-M3 The owner of each blackstart generating unit shall demonstrate that the unit can perform its intended functions as required by the NYISO System Restoration Plan. Documentation of the analysis shall be provided to the NYISO on request.

#### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: GOs

Compliance Monitoring Responsibility: NYISO Oversight Review Responsibility: NYSRC RCMS

☐ Full (100%) Compliance	The owner of each blackstart generating unit shall provide the NYISO with documentation of the test results of the startup and operation of each blackstart generating unit as required by the NYISO restoration plan, on request, in accordance with Measurement G-M3.
□ Non-Compliance Level 1	Documentation of startup and operation testing of blackstart generating unit(s) was provided to the NYISO, but was incomplete.
☐ Non-Compliance Level 2	Not applicable.
☐ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	The blackstart generating unit(s) was not tested or did not start as required by the NYISO restoration plan, or the required documentation was not provided to the NYISO.

#### **SYSTEM RESTORATION**

G-M4

#### **Reliability Rule Reference**

**G-R3** Restoration Training and Simulation Programs

#### Measurement

**G-M4** The NYISO shall establish a procedure for annual simulations of full or partial system shutdowns and restoration, and schedule the conduct of such simulations. Finally, the procedure shall include details of a system program to train operators to implement restoration and schedule for the conduct of the next training program.

#### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

1	
□ Full (100%) Compliance	A procedure for simulations of system shutdown and restoration, and operator training, in accordance with Measurement G-M4, shall be established. In addition, reports on the scope, results and critique of the annual NYISO restoration drill and documentation that operating personnel have been trained in accordance with the procedures shall be provided on request. Finally, a report on implementation of recommendations included in the previous year's restoration drill report shall be provided.
□ Non-Compliance Level 1	Reports on the annual restoration drill, implementation of the previous year's drill report recommendations, and operator training were provided. However, the restoration drill or operator training procedures were incomplete in one or more areas.
□ Non-Compliance Level 2	Restoration drill and operator training procedures were complete and a report showed that the previous year's restoration drill recommendations were successfully implemented. However, reports on the annual restoration drill and operator training showed that the restoration drill or operator training were not in accordance with NYISO procedures.
□ Non-Compliance Level 3	Restoration drill and operator training procedures were complete, and NYISO reports showed that the annual drill and operator training met these procedures. However, recommendations included in the previous year's restoration drill report were not implemented.
□ Non-Compliance Level 4	Restoration drill or operator training procedures, or reports on the annual restoration drill, implementation of the previous year's drill report recommendations, or operator training were not provided.

#### SYSTEM PROTECTION

**H-M1** 

#### **Reliability Rule Reference**

**H-R1** Bulk Power System Protection

#### Measurement

**H-M1** The NYISO shall provide the NYSRC with compliance documentation and data for meeting NPCC Document A-5, in accordance with requirements of NPCC "Procedure For Reporting and Reviewing Proposed Protection Systems for the Bulk Power System" (Document C-22), and requirements of the NPCC and NERC Compliance Programs, as requested.

### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

Levels of Compitance	
☐ Full (100%) Compliance	On request, the NYISO shall provide the NYSRC with compliance documentation and data associated with proposed protection systems, in accordance with Measurement H-M1. The information provided shall meet NPCC procedures and will be coordinated with NPCC reliability compliance program submissions.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	Compliance documentation was provided, but was incomplete in one or more areas.
□ Non-Compliance Level 3	Compliance documentation was provided, but it showed that proposed NYCA protection systems do not meet NPCC Document A-5 criteria in one or more areas.
□ Non-Compliance Level 4	Compliance documentation was not provided.

#### SYSTEM PROTECTION

H-M2

#### **Reliability Rule Reference**

H-R2 Bulk Power System Protection Maintenance

#### Measurement

**H-M2** The NYISO shall provide the NYSRC with compliance documentation and data for meeting the requirements of the NYISO system protection maintenance procedure required by Measurement H-M3, as requested. (H-R2).

#### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO shall submit a report to the NYSRC on testing and maintenance of NYCA protection systems, in accordance with Measurement H-M3. The maintenance report should show that the protection system maintenance and testing programs of the NYCA protection system owners comply fully with the requirements of NYISO procedures and NPCC Document A-4.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	Review of the NYISO report showed that the maintenance and testing programs did not meet NPCC and NYSRC criteria or other requirements in accordance with the NYISO system protection maintenance procedure required by Measurement H-M3.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	No maintenance report was provided to the NYSRC.

#### SYSTEM PROTECTION

H-M3

#### **Reliability Rule Reference**

H-R2 Bulk Power System Protection Maintenance

#### Measurement

**H-M3** The NYISO shall establish and maintain a procedure for monitoring compliance with the NPCC Document A-4,"Maintenance Criteria for Bulk Power System Protection," as applied to the New York Control Area. This procedure shall include a description of how the system of compliance reporting is implemented within the NYISO. (H-R2)

#### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO shall establish and maintain a system protection maintenance procedure in accordance with Measurement H-M3.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	The NYISO has the required procedure in place, but it is incomplete on one or more areas.
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□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	The required NYISO procedure was not available or was not
	provided.

#### LOCAL RELIABILITY RULES

**I-M1** 

#### **Reliability Rule Reference**

- I-R1 Operating Reserves/Unit Commitment (New York City)
- I-R3 Loss of Generator Gas Supply (New York City and Long Island)
- I-R4 Thunderstorm Watch (New York City)

#### Measurement

I-M1 The NYISO shall document, maintain, and publish requirements for Con Edison to develop procedures for operating its system in accordance with I-R1, I-R3, and I-R4, including notification of the NYISO when actions are taken in accordance with these local reliability rules, and the reasons thereof. The NYISO shall review and approve Con Edison procedures and required studies, including any updates to such procedures and studies.

#### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO shall provide complete documentation for
	implementing I-R1, I-R3, and I-R4 in accordance with
	Measurement I-M1.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	NYISO documentation for implementing I-R1, I-R3, and I-R4
	was provided, but was incomplete in one or more areas.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	The required NYISO documentation for implementing Rules I-
_	R1, I-R3, and I-R4 was not provided.

#### LOCAL RELIABILITY RULES

**I-M2** 

#### **Reliability Rule Reference**

I-R3 Loss of Generator Gas Supply (New York City and Long Island)

#### Measurement

I-M2 The NYISO shall document, maintain, and publish requirements for LIPA to develop procedures for operating its system in accordance I-R3, including notification of the NYISO when action is taken in accordance with this local reliability rule and the reasons thereof. The NYISO shall review and approve LIPA procedures and required studies, including any updates to such procedures and studies.

#### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO shall provide complete documentation for
	implementing I-R3, in accordance with Measurement I-M2.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	NYISO documentation for implementing I-R3 was provided, but
	was incomplete in one or more areas.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	The required NYISO documentation for implementing I-R3 was
	not provided.

#### LOCAL RELIABILITY RULES

I-M3

#### **Reliability Rule Reference**

I-R2 Locational Reserves (New York City)

#### Measurement

**I-M3** The NYISO shall have in place procedures to ensure that sufficient ten (10) minute reserves are maintained in the NYC zone in accordance with I-R2.

#### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO shall have procedures in place and operate the
	NYCA system to ensure implementation of I-R2, in accordance
	with Measurement I-M3.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	The NYISO have procedures in place, but they are incomplete in
	one or more areas.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	The required NYISO procedures not available or were not
	provided.

#### LOCAL RELIABILITY RULES

I-M4

#### **Reliability Rule Reference**

- I-R1 Operating Reserves/Unit Commitment (New York City)
- I-R2 Locational Reserves (New York City)
- I-R3 Loss of Generator Gas Supply (New York City and Long Island)
- I-R4 Thunderstorm Watch (New York City)

#### Measurement

**I-M4** The NYISO shall apply I-R1 through I-R4 in:

- a. the assessment of future transmission capability and analysis of transmission adequacy and security.
- b. the establishment of operating limits, assessment of operating adequacy, and operation on the NYS bulk power system.

#### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

□ Full (100%) Compliance	The NYISO shall apply Reliability Rules I-R1 through I-R4 in accordance with Measurement I-M4. Application of these Rules in assessing future transmission capability and analysis of transmission adequacy and security shall be documented in the annual the NYCA Transmission Review. Application of these Rules for establishing operating limits, assessing operating adequacy, and operating the NYS Bulk Power System shall be documented on request.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	The NYCA Transmission Review included a review of Reliability
	Rules I-R1 through I-R4, but the assessment was incomplete; or
	the NYISO did not provide adequate documentation that these
	Rules were considered in system operations.
□ Non-Compliance Level 3	The NYCA Transmission Review did not include a consideration
	of Rules I-R1 through I-R4.
□ Non-Compliance Level 4	No documentation was provided showing that Rules I-R1 through
_	I-R4 were considered in system operations.

#### LOCAL RELIABILITY RULES

I-M5

#### **Reliability Rule Reference**

- I-R1 Operating Reserves/Unit Commitment (New York City)
- I-R3 Loss of Generator Gas Supply (New York City and Long Island)
- I-R4 Thunderstorm Watch (New York City)

#### Measurement

I-M5 Con Edison shall have in place procedures for operating its system in accordance with I-R1, I-R3, and I-R4 and NYISO requirements (see I-M1). These procedures must include notification to the NYISO when actions are taken in accordance with these local reliability rules, and the reasons thereof.

#### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: Con Edison

Compliance Monitoring Responsibility: NYISO Oversight Review Responsibility: NYSRC RCMS

☐ Full (100%) Compliance	On request, Con Edison shall provide to the NYISO the
, , , ,	documents, reports, and analyses as required in accordance with
	Measurement I-M5.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	Con Edison submitted information to the NYISO, but its
	documents, reports, and analyses did not meet NYISO
	requirements in one or more areas.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	Con Edison failed to supply the NYISO with documents, reports,
	and analyses in accordance with NYISO requirements.

#### LOCAL RELIABILITY RULES

**I-M6** 

#### **Reliability Rule Reference**

I-R3 Loss of Generator Gas Supply (Long Island)

#### Measurement

**I-M6** LIPA shall have in place procedures for operating its system in accordance with I-R3 and NYISO requirements (see I-M2). These procedures must include notification to the NYISO when actions are taken in accordance with the local reliability rules and the reasons thereof.

### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: LIPA

Compliance Monitoring Responsibility: NYISO Oversight Review Responsibility: NYSRC RCMS

☐ Full (100%) Compliance	On request, LIPA shall provide to the NYISO documents, reports, and analyses as required in accordance with Measurement I-M6.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	LIPA submitted information to the NYISO, but its documents, reports, and analyses did no meet NYISO requirements in one or more areas.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	LIPA failed to supply the NYISO with documents, reports, and analyses in accordance with NYISO requirements.

#### NYISO CONTROL CENTER COMMUNICATIONS

J-M1

#### **Reliability Rule Reference**

J-R1 NYISO/ Market Participant Communications

J-R2 NYISO Communications Under Emergency Conditions

#### Measurement

**J-M1** The NYISO shall develop the necessary procedures and other required documentation in compliance with J-R1 and J-R2, which shall be provided to the NYSRC on request.

#### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO shall establish procedures for NYISO to Market
	Participant communications such that communications are
	consistent, efficient, and effective during normal and emergency
	conditions. These procedures shall include requirements for
	enabling operation to continue during loss of communication
	facilities, including specific requirements of Reliability Rules J-
	R1 and J-R2 and NPCC and NERC criteria.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	NYISO operator communications procedures have been
	developed, but they do not include all of the required items.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	There are no NYISO communications procedures in place.

### NYISO CONTROL CENTER COMMUNICATIONS

J-M2

#### **Reliability Rule Reference**

J-R2 NYISO Communications Under Emergency Conditions

#### Measurement

J-M2 The NYISO shall prepare reports summarizing performance data of control center communication interfaces. These reports shall be provided to the NYSRC on request or when significant changes are made, and shall include a tracking basis of historical performance of voice and data communication equipment.

#### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO shall provide the NYSRC reports providing	
	performance data of control center communications interfaces in	
	accordance with Measurement J-M2.	
□ Non-Compliance Level 1	Not applicable.	
□ Non-Compliance Level 2	The required NYISO report was provided, but was incomplete in	
	one or more areas.	
□ Non-Compliance Level 3	Not applicable.	
□ Non-Compliance Level 4	The required NYISO report was not provided.	

### NYISO CONTROL CENTER COMMUNICATIONS

J-M3

#### **Reliability Rule Reference**

### J-R2 NYISO Communications Under Emergency Conditions

#### Measurement

**J-M3** The NYISO shall provide to the NYSRC within one month a report summarizing any loss of critical voice and/or data systems. The report shall describe the problem and its relationship to the control of the NYS Bulk Power System, the cause of the problem, the corrective action, and implementation schedule.

#### Responsibilities

Reporting Frequency: As Required Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

The NYISO shall provide the NYSRC reports of the loss of
critical voice and data systems in accordance with Measurement
J-M3.
Not applicable.
The required NYISO report was provided, but was incomplete in
one or more areas.
Not applicable.
The required NYISO report was not provided.

#### **RELIABILITY ASSESSMENT**

K-M1

#### **Reliability Rule Reference**

K-R1 NYISO Manuals

#### Measurement

**K-M1** The NYISO Planning and Operating Manuals shall be prepared by the NYISO in conformance with the Reliability Rules and submitted to the NYSRC for compliance review on request.

#### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	In accordance with Measurement K-M1, the NYISO shall provide the NYSRC with a self assessment on the compliance of its planning and operating manuals with the Reliability Rules. The scope of these self assessments will be based on NYSRC guidelines.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	A self assessment was provided, but was incomplete in one or more areas.
□ Non-Compliance Level 3	The self assessment shows that procedure(s) in the manual do not meet Reliability Rules.
□ Non-Compliance Level 4	The self-assessment was not provided.

### **RELIABILITY ASSESSMENT**

K-M2.a

### **Reliability Rule Reference**

K-R2 Reliability Assessments

#### Measurement

K-M2.a	The NYISO shall conduct, and provide to the NYSRC, the following reliability assessment:
	A NYCA Transmission Review covering an assessment of system performance results of simulation tests for the 4-6 year planning horizon, for demonstrating compliance with Reliability Rules. This report shall be prepared annually.

### Responsibilities

Reporting Frequency: Annually Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO shall annually prepare an assessment of the NYS bulk power transmission system in accordance with Measurement K-M2.a, which demonstrates that the performance of the NYCA system is in compliance with Reliability Rules A-R1, A-R2, A-R3, and A-R4. The format of the report should be in accordance with NPCC Guideline B-4.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	The NYCA transmission review was provided, but was incomplete in one or more areas.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	The NYCA transmission review was not provided.

#### RELIABILITY ASSESSMENT

K-M2.b

#### **Reliability Rule Reference**

**K-R2** Reliability Assessments

#### Measurement

**K-M2.b** The NYISO shall conduct, and provide to the NYSRC, the following reliability assessment:

A NYCA resource adequacy assessment for the next summer period and two years beyond, for demonstrating next capability period compliance with the NYSRC installed reserve margin requirement and NYISO locational installed capacity requirements, and prospective future compliance. The assessment shall include statewide and New York City and Long Island resource adequacy.

#### Responsibilities

Reporting Frequency: Annually Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO shall annually submit a NYCA resource adequacy
	assessment report to the NYSRC in accordance with
	Measurement K-M2.b. During a year when the NYISO is
	required by NPCC to submit a New York Area Resource
	Adequacy Study, submission of that report to the NYSRC for
	compliance review will meet this requirement.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	A NYCA resource adequacy assessment was submitted to the
	NYSRC, but the report was deficient in one or more areas.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	A NYCA resource adequacy assessment was not submitted to the
	NYSRC.

#### RELIABILITY ASSESSMENT

**K-M2.c** 

#### **Reliability Rule Reference**

**K-R2** Reliability Assessments

#### Measurement

**K-M2.c** The NYISO shall conduct, and provide to the NYSRC, the following reliability assessment:

Interregional reliability assessments for ensuring that the NYCA inter-control area and internal transmission system is developed on a coordinated basis. Reports on these assessments shall be provided as requested by the NYSRC.

#### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO shall provide to the NYSRC interregional
	assessments in accordance with Measurement K-M2.c. As
	requested by the NYSRC, these reports shall either be NPCC
	interregional assessments having NYISO participation, studies
	sponsored by the NYISO, or special studies prepared by the
	NYISO as required by the NYSRC.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	Requested interregional reliability assessments were provided, but
	were incomplete in one or more areas.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	Requested interregional reliability assessments were not provided.

#### RELIABILITY ASSESSMENT

K-M2.d

#### **Reliability Rule Reference**

#### K-R2 Reliability Assessments

#### Measurement

**K-M2.d** The NYISO shall conduct, and provide to the NYSRC, the following reliability assessment:

Monthly operating reports covering occurrences of major emergency and alert states, a summary of the NERC/NPCC Control Performance, a list of NPCC Reportable Events, and other indices identified by the NYSRC for monitoring the security of the system.

#### Responsibilities

Reporting Frequency: Monthly Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO shall provide monthly operating reports in accordance with Measurement K-M2.d, including the requirements of Measurements D-M1, D-M3, E-M2, E-M5 and F-M5.	
□ Non-Compliance Level 1	Not applicable.	
□ Non-Compliance Level 2	The NYISO provided a monthly operating report, but the report was incomplete in one or more areas.	
□ Non-Compliance Level 3	The NYISO provided a monthly operating report, but a review of the report indicated that the NYCA system was not operated in accordance with Reliability Rules.	
□ Non-Compliance Level 4	A monthly operating report was not provided.	

### **RELIABILITY ASSESSMENT**

**K-M2.e** 

#### **Reliability Rule Reference**

K-R2 Reliability Assessments

#### Measurement

**K-M2.e** The NYISO shall conduct, and provide to the NYSRC, the following reliability assessment:

Special reliability assessments that may be requested by the NYSRC.

Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

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☐ Full (100%) Compliance	From time to time the NYISO will be requested to conduct special reliability assessments in accordance with Measurement K-M2.e. The scope and schedule of such assessments will be jointly developed by the NYISO and NYSRC.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	The reliability assessment was provided, but was incomplete in
	one or more areas.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	The reliability assessment was not provided.

### **RELIABILITY ASSESSMENT**

K-M2.f

### **Reliability Rule Reference**

K-R2 Reliability A	Assessments
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#### Measurement

K-M2.f	The NYISO shall conduct, and provide to the NYSRC, the following reliability assessment:
	Copies of additional system reliability assessments requested by NPCC, but not covered above.

### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

☐ Full (100%) Compliance	The NYISO shall furnish the NYSRC a copy of reliability
	assessments, in accordance with Measurement K-M2.f.
□ Non-Compliance Level 1	Not applicable.
□ Non-Compliance Level 2	Not applicable.
□ Non-Compliance Level 3	Not applicable.
□ Non-Compliance Level 4	
	requested reliability assessment.

### **Extreme System Conditions Assessment**

K-M3

#### **Reliability Rule Reference**

#### **K-R3** Extreme System Conditions Assessment

#### Measurement

K-M3 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 K-R3. The scope of these studies shall meet 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 Measurement K-M2.

#### Responsibilities

Reporting Frequency: On Request Reporting Responsibility: NYISO

Compliance Monitoring Responsibility: NYSRC RCMS

Oversight Review Responsibility: N/A

□ Full (100%) Compliance	The NYISO shall assess the impact of Extreme System Conditions and develop plans to mitigate the consequences of such impacts, in accordance with Measurement K-M3. The results of these assessments shall be included in NYISO reports covering annual NYCA transmission and resource adequacy assessments, required by Measurement K-M2.
□ Non-Compliance Level 1	An Extreme System Condition assessment and mitigation plans for all specified events were included in the NYCA transmission or resource adequacy assessment report, but was incomplete in meeting NYSRC requirements or NPCC transmission or resource adequacy guidelines.
□ Non-Compliance Level 2	An Extreme System Condition assessment was submitted for all specified events, but mitigation plans were not included or were found unacceptable.
□ Non-Compliance Level 3	An Extreme System Condition assessment was submitted, but did not include evaluations and mitigation plans for all specified events.
□ Non-Compliance Level 4	An Extreme System Condition assessment was not submitted.

### III. VERSION HISTORY

### **COMPLIANCE TEMPLATE MANUAL**

Version	Date	Change
1	7/1/02	Initial version (includes above RR Manual version 1-4 changes)
2	11/12/02	New Compliance Template for new Measurement J-M2 (PRR
		#53); New Compliance Template for new Measurement B-M4
		(PRR #54); Table of Contents; New Section: Compliance
3	3/14/03	Templates Version History
3	3/14/03	Revised Compliance Template for Measurement B-M1 (PRR #29); Revised Compliance Template for Measurement C-M1
		(PRR #50); New Compliance Templates for Measurements C-
		M9&10 (PRR #58)
4	5/9/03	Revised Compliance Template for Measurement H-M2 and new
		Compliance Template for Measurement H-M3 (PRR #55)
5	10/7/03	New Compliance Templates for Measurement E-M6 & E-M7
		(PRR #57); New Compliance Template for Measurement C-M11
		(PRR #63); Revised Compliance Template for Measurement
		E-M2 and New Compliance Template for Measurement F-M5
		(PRR #64)
6	1/9/04	Revised Compliance Template for Measurement G-M1
	10/17/04	(PRR #66)
7	12/17/04	Revised Compliance Template for Measurement J-M2 and New
0	5/2/05	Compliance Template for J-M3 (PRR #67)
8	5/2/05 8/12/05	New Compliance Templates for Measurement F-M6 (PRR #77)
9	8/12/03	New Compliance Templates for Measurement K-M3 (PRR #72) and Measurements C-M12 & C-M13 (PRR #69)
10	10/14/05	Revised Compliance Templates for Measurements C-M1, C-M2,
10	10/14/03	and C-M3 (PRR #73); Revised Compliance Template for
		Measurement F-M2 and Removal of Compliance Template for
		K-M2e (PRR #78)
11	12/9/05	Revised Compliance Templates for Measurements C-M9 and
		C-M11 (PRR #74)