

**2008 NYSRC RELIABILITY COMPLIANCE PROGRAM**

<b>MEAS./ COMP. TEMP.</b>	<b>RELATED RULE</b>	<b>MEASUREMENT DESCRIPTION</b>	<b>COMPLIANCE DOC. REQUIRED 1</b>	<b>DUE NYSRC</b>	<b>DATE RECV'D</b>	<b>DATE OF RCMS REVIEW</b>	<b>COMP. LEVEL 2</b>
<b>Resource Adequacy</b>							
A-M1	A-R1	Establishing NYCA IRM requirements	A	3/1/08	3/6/08	3/13/08	FC
A-M2	A-R2,3	Establishing LSE ICAP/LCR requirements	B	3/1/08	3/6/08	3/13/08	FC
A-M3	A-R2,3	Certifying LSE ICAP obligations are met*	C	11/1/08	11/13/08	11/13/08	FC
<b>Transmission Capability – Planning</b>							
B-M3	B-R5	Demonstration that system is planned considering ease of restoration	D	4/1/08	4/10/08 6/12/08	4/10/08 3 6/12/08	FC
B-M4	B-R6	List of NYS Bulk Power System Facilities	E	9/1/08	9/11/08	9/11/08	FC
<b>Resource, System &amp; Demand Data Requirements</b>							
C-M2 4	C-R1	Reporting resource DMNC test results to the NYISO*	F	2/1/09			
C-M3 4	C-R1	Reporting generator reactive power capacity test results to the NYISO*	G	2/1/09			
C-M5	C-R2	Reporting of resource outage data to the NYISO*	H	12/1/08	12/1/08	12/3/08 11	
C-M6	C-R2	Resource outage statistics	I	8/1/08	8/7/08	8/7/08	FC
C-M8	C-R4	NYCA load forecasts	J	8/1/08	4/1/08	4/10/08	FC
C-M9	C-R4	Procedure for maintenance of load flow, short-circuit and stability data	K	4/1/08	4/1/08	4/10/08	FC
C-M10	C-R4	Update load flow, short-circuit, and stability data bases	L	4/1/08	4/1/08	4/10/08	FC
C-M11	C-R4	Reporting of load flow, short-circuit and stability data to the NYISO*	M	4/1/08	4/1/08	4/10/08	FC
C-M13	C-R5	Certification that disturbance recording devices have been installed and data reported as required*	N	12/1/08	12/1/08	12/3/08	FC

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<b>Operating Reserves</b>							
D-M1	D-R1 to D-R3	Reporting statistics on forecasted and actual reserves	O	12/1/08	12/1/08	12/3/08	FC
<b>Transmission Capability – Operating</b>							
E-M6	E-R8	Pre-seasonal fault duty assessments	P	[A] – 6/1/08 [B] – 10/1/08	6/4/08 [A] 9/24/08 [B]	6/12/08 [A] 10/7/08 [B]	FC
E-M7	E-R8	MP evaluation of NYISO fault duty assessments*	Q	10/1/08	9/24/08	10/7/08	FC
E-M9	E-R10	NYISO annual review of exceptions	R	12/1/08	12/1/08	12/3/08	FC
<b>Operation During Major Emergencies</b>							
F-M1	F-R1 to F-R7	Maintain procedures for frequency, reserve, and transfer limit violations	S	7/1/08	6/4/08	7/10/08	FC
F-M4	F-R8	TO load shedding capability*	T	12/1/08	12/1/08	12/3/08	FC
F-M6	F-R5	Voltage reduction testing	U	9/1/08	9/11/08	9/11/08	FC
<b>System Restoration</b>							
G-M1	G-R1,2	Procedure for maintaining a NYCA System Restoration Plan	V	7/1/08	6/4/08 9/11/08	7/10/08 8/7/08 9/11/08 8	FC
G-M2	G-R1,2	Transmission Owner Restoration Plan requirements*	W	12/1/08	12/1/08	12/3/08	FC
G-M3	G-R2	Blackstart Provider requirements*	X	12/1/08	12/1/08	12/3/08	FC
G-M4	G-R3	System restoration training requirements	Y	12/1/08	12/1/08	12/3/08	FC
<b>Local Reliability Rules</b>							
I-M1	I-R1, I-R3, I-R4	NYISO requirements for Con Ed to have procedures in accordance with I-R1, I-R3, and I-R4	Z	10/1/08	9/24/08 11/13/08 11/19/08	10/7/08 6 11/13/08 6 12/3/08 6	FC
I-M2	I-R5	NYISO requirements for LIPA to have procedures in accordance with I-R3	AA	10/1/08	9/24/08 11/19/08 11/19/08	10/7/08 6 11/13/08 6 12/3/08	FC

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I-M3	I-R2	Procedures to ensure sufficient 10-min reserve in NYC	BB	10/1/08	9/24/08	10/7/08 6 11/13/08	FC
I-M4	I-R1 to I-R5	Consideration of local rules in transmission planning and establishment of operating limits	CC	[A] 4/1/08 [B] 6/1/08	[A] 4/1/08, 6/12/08 [B] 6/4/08	4/10/08, 3 6/12/08 6/12/08	FC
I-M5	I-R1, I-R3, I-R4	Con Ed procedures for Local Rules I-R1, R2, and R4*	DD	12/1/08	12/1/08	12/3/08	FC
I-M6	I-R5	LIPA procedures for Local Rule I-R3*	EE	12/1/08	12/1/08	12/3/08	FC
<b>Reliability Assessment</b>							
K-M2a, K-M3	K-R2	2007 transmission assessment & extreme system condition assessment	FF	4/1/08	4/1/08 6/12/08	4/10/08 3 6/12/08	FC 7
K-M2a, K-M3	K-R2	2008 transmission assessment & extreme system condition assessment	FF	11/1/08	11/13/08 9	11/13/08 9	
K-M2b	K-R2	Annual resource adequacy assessment	GG	6/1/08	6/12/08	6/12/08 7/10/08 8/7/08	FC
K-M2d	K-R2	Monthly operating report		Monthly	12/3/08 5	12/3/08 5	FC 5

\* Market Participant requirements.

### Footnotes

#### 1. NYISO Compliance Documentation Requirements:

- A. Installed Capacity Subcommittee shall submit to RCMS the NYCA 2008 IRM report to RCMS and certify that the calculated 2008 base case IRM is in full compliance with Reliability Rule A-R1 and other NYSRC Rules, and that the study followed all NYSRC policies and procedures.
- B. The NYISO Locational Capacity Requirement Report for the 2008-09 capability period. In addition, provide either in the LCR report, or in a separate report, the required 2007 LSE capacity and IRM requirements for meeting the 2008 NYCA IRM requirement of 15.0%.; and whether any intra-zonal transmission constraints indicating “bottled” generation have been identified by the NYISO. (A-M2)
- C. Certification that each LSE has demonstrated that it has procured sufficient capacity for the November 2007 to October 2008 period to meet its ICAP requirement in accordance with NYISO procedures and A-M3.
- D. As required by B-M3, modified on 4/13/07 (PRR 88):
  - (1) Provide either the required procedures, or reference to the required procedures, for assessing the impact of the system expansion plan on the NYCA Restoration Plan;
  - (2) This assessment should be included in the annual transmission assessment required by K-M2a (B-M3)

- E. (1) NYISO procedure for developing the list of NYS Bulk Power System facilities, (2) BPS Facilities List. (B-M4)
- F. Certification that all applicable generation owners responsible for providing ICAP verified the net dependable capacity of their equipment and reported these results to the NYISO for the previous testing period, in accordance with NYISO procedures. (C-M2)
- G. Certification that all applicable generation owners performed tests to verify the reactive power capacity for their generators, and reported these test results to the NYISO for the previous testing period, in accordance with NYISO procedures. (C-M3)
- H. Certification that ICAP providers submitted outage data to the NYISO during the May to April 2008 period as required by NYISO procedures. In addition, submit a report on the status of a NYISO mitigation plan for the GOs that under-reported forced outages during 2007.(C-M5)
- I. Certification that the NYISO has provided ICS with resource outage statistics and trends for use in the 2009 IRM study.
- J. Certification that the NYISO has provided ICS with NYCA and zonal load forecasts for use in the 2009 IRM study.
- K. Submit to RCMS NYISO procedures that are in place for the development of load flow, short-circuit, and stability data bases in accordance with C-M9, including a new NYISO procedure or tech bulletin for ensuring that MPs report to the NYISO and TOs changes to equipment parameters, including time requirements, in accordance with C-M9.
- L. Self-Certification that load flow, short circuit and stability data bases have be updated over the previous 12 months, as specified in accordance with NYISO procedures. (C-M10)
- M. Certification that market participants have provided load flow, short-circuit, and stability data bases to the NYISO in accordance with C-M11. In addition, provide to RCMS documentation over the previous 12 months showing that MPs have reported verified changes to equipment parameters that affect these data bases.
- N. Certification that Market Participants have installed disturbance recording devices and reported data in accordance with NYISO procedures. (C-M13)
- O. (1) NYISO operating reserve procedure changes for meeting all D-M1 (see PRR 93) requirements; and (2) Submit a report providing details of its experience utilizing interruptible load as operating reserve. This report shall include similar information requested by NPCC, supplemented by additional data specified by RCMS.
- P. [A] A report covering an annual pre-seasonal 2008 assessment evaluating fault duty at each BPS station.  
[B] If the above report shows fault duty levels exceed equipment ratings, provide mitigation plans jointly approved by the NYISO and equipment owners. (E-M6)
- Q. Certification that applicable equipment owners have evaluated NYISO fault duty assessments in accordance with E-M7.
- R. Results of NYISO's annual exception review in accordance with the new E-M9 (PRR 94, adopted 12/14/07).
- S. Self-Certification that the NYISO maintains procedures in accordance with F-M1 to ensure that all MPs will respond correctly when frequency, reserves and thermal, voltage and/or stability limits are violated.
- T. Certification that TOs have reported to the NYISO load shedding documentation in accordance with NYISO procedures and F-M4.
- U. A report of the results of statewide voltage reduction tests for the 2008 summer period, in accordance with F-M6. The results of these tests shall be available in time for use in the NYSRC 2009 IRM Study.
- V. Applicable documentation and references showing that the NYISO has developed system restoration procedures addressing all of the requirements specified in G-M1 (modified on 7/13/07, PRR 92).

- W. Certification that all TOs have established restoration plans and if required, blackstart capability plans, in accordance with NYISO procedures and G-M2 requirements (modified on 2/8/08, PRR 95).
- X. Certification that blackstart providers are in compliance with NYISO procedures and G-M3 requirements.
- Y. Self-Certification that the NYISO maintains restoration training programs in accordance with G-M4 requirements (modified on 2/8/08, PRR 95).
- Z. NYISO procedures requiring Con Edison to develop procedures for operating in accordance with NYSRC Rules I-R1, I-R3 and I-R4, and certification that the NYISO has approved these procedures, in accordance with I-M1 requirements.
- AA. NYISO procedures requiring LIPA to develop procedures for operating in accordance with new NYSRC Rule I-R5 (adopted 7/13/07, PRR 88), and certification that the NYISO has approved these procedures, in accordance with I-M2 requirements.
- BB. NYISO procedures to ensure that sufficient ten-minute reserves are maintained in the NYC zone in accordance with NYSRC Rule I-R2.
- CC. [A] Self-Assessment that I-M4 requirements have been met for transmission planning, including application examples.  
[B] Self-Assessment that I-M4 requirements have been met for operating limits, including application examples.
- DD. Specific references showing that Con Edison has provided documentation to the NYISO during the previous 12 month period, in accordance with I-M5 requirements.
- EE. Specific references showing that LIPA has provided documentation to the NYISO during the previous 12 month period, in accordance with I-M6 requirements.
- FF. Annual NYCA Transmission Assessment Report, including (1) (N-1) -1 assessments; (2) identification of the impacts of the planned transmission system on the NYCA System Restoration Plan (B-M3); (3) an assessment showing that local rules have been considered (I-M4); (4) an extreme contingency assessment for the loss of gas delivery system (K-M3); and (5) an extreme contingency condition assessment assuming generating unit loss of gas supply (K-M3). (K-M2a)
- GG. NYCA Resource Adequacy Report for the 2008-2011 period. (K-M2b)

## 2. Levels of Non-Compliance

- L1 – Non-Compliance Level 1
  - L2 – Non-Compliance Level 2
  - L3 – Non-Compliance Level 3
  - L4 – Non-Compliance Level 4
3. Several supplemental assessments included in the 2007 NYCA Transmission Review were intended to respond to B-M3, I-M4, K-M2a, K-M3, and previous RCMS requests. After RCMS review on April 10, the supplemental assessments provided in the Review were considered to be inadequate by RCMS for fully meeting NYSRC requirements. The NYISO was given a two-month grace period to June 1, without non-compliance action, to provide the additional information as required by the above measurements and as requested by RCMS.
  4. This assessment will be included in the 2009 Compliance Monitoring Program.
  5. This information is for the November 2008 operating report. All previous 2008 monthly reports were in Full Compliance.

6. RCMS needed additional time to review NYISO compliance documentation for I-M1 to I-M3 and delayed further compliance review until 11/13/08. The NYISO revised I-M1 and I-M2 compliance documentation for the 11/13/08 meeting, but both were incomplete. The NYISO was given 30 days to provide the completed documentation to avoid a non-compliance letter.
7. This Full Compliance designation is applicable to both K-M2a and K-M3.
8. References to NYISO procedures documenting NYISO compliance with five G-M1 requirements were missing from the NYISO compliance documentation provided to RCMS on July 10, 2008. RCMS granted the NYISO 30 additional days (to the August 7 RCMS meeting) to provide these references without non-compliance action. However, on August 7 the required compliance documentation remained incomplete and was therefore overdue. In accordance with the NYSRC Compliance Template Manual (Table 2), as of August 7 the NYISO had an additional 30 days to provide the required documentation to avoid a Level 1 non-compliance action. This final documentation was received on September 11 and found in Full Compliance. A final G-M1 documentation reference matrix, requested on Sept. 11, was received and accepted on December 3. (Refer to July 10, August 7, and September 11, 2008 RCMS minutes for details.)
9. The NYISO will submit the 2008 transmission review for RCMS review coincidentally with its submission to NPCC. The NYISO presented a summary of the status of the 2008 assessment to RCMS on 11/13/08. The draft report is expected to be available for RCMS review prior to the January RCMS meeting.
10. On August 7, 2008 RCMS reviewed a supplement to the NYISO's 2008-2011 Resource Adequacy Assessment. This supplement was accepted by RCMS, but did not affect RCMS's full compliance finding on July 10 for K-M2b.
11. On December 3, 2008 compliance review of C-M5 was rescheduled to the 2009 Compliance Program because the need to interpret the requirements of this measurement. Refer to the RCMS report, *Compliance Review of 2004 NERC-GADS Data Misreporting Event*, dated November 26, 2008. RRS has been requested to interpret C-M5.