

## 2009 NYSRC RELIABILITY COMPLIANCE PROGRAM

MEAS./ COMP. TEMP.	RELATED RULE	MEASUREMENT DESCRIPTION	COMPLIANCE DOC. REQUIRED 1	DUE NYSRC	DATE RECV'D	DATE OF RCMS REVIEW	COMP. LEVEL 2
<b>Resource Adequacy</b>							
A-M2	A-R2,3	Establishing LSE ICAP/LCR requirements	A	3/1/09	3/11/09	3/12/09	FC
A-M3	A-R2,3	Certifying LSE ICAP obligations are met*	B	11/1/09	11/1/09	11/12/09	FC
<b>Transmission Capability – Planning</b>							
B-M1	B-R1 to B-R3, B-R7	Thermal, voltage, stability, and fault duty assessments for the planned NYCA system	C	3/1/09	3/11/09	3/12/09	FC
B-M2	B-R4	Extreme contingency assessment for the planned NYCA system	D	3/1/09	3/11/09	3/12/09	FC
B-M3	B-R5	Demonstration that system is planned considering ease of restoration	E	3/1/09	3/11/09	3/12/09	FC
B-M4	B-R6	List of NYS Bulk Power System Facilities	F	10/1/09	9/28/09	10/8/09	FC
<b>Resource, System &amp; Demand Data Requirements</b>							
C-M1	C-R1	Procedures for resource testing requirements	G	3/1/09	3/10/09	3/12/09	FC
C-M2	C-R1	Reporting resource DMNC test results to the NYISO*	H	2/1/09	1/30/09	2/12/09	FC
C-M3	C-R1	Reporting generator reactive power capacity test results to the NYISO*	I	2/1/09	1/30/09	2/12/09	FC
C-M4	C-R2	Procedures for reporting resource availability data	J	12/1/09	12/1/09	12/3/09 9	FC 9
C-M5	C-R2	Reporting of resource outage data to the NYISO*	K	12/1/09	12/1/09	12/3/09	FC
C-M9	C-R4	Procedure for maintenance of load flow, short-circuit and stability data	L	4/1/09	4/1/09	4/16/09	FC
C-M11	C-R4	Reporting of load flow, short-circuit and stability data to the NYISO*	M	4/1/09 7/1/09 5	4/1/09 7/9/09	4/16/09 7/9/09 5	FC

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					8/13/09	8/13/09	
C-M13	C-R5	Certification that disturbance recording devices have been installed and data reported as required*	N	12/1/09	12/1/09	12/3/09	FC
<b>Transmission Capability – Operating</b>							
E-M6	E-R8	Pre-seasonal fault duty assessments	O	[A] 6/1/09 [B] 10/1/09	[A] 6/4/09 7/9/09 8/13/09 9/28/09	6/11/09 7/9/09 6 8/13/09 10/8/09	[A] FC [B] FC
E-M7	E-R8	MP evaluation of NYISO fault duty assessments*	P	10/1/09	9/28/09	10/8/09	FC
E-M8	E-R9	Application of Reliability Rules requirements	Q	9/1/09	9/10/09	9/10/09	FC
E-M9	E-R10	NYISO annual review of exceptions	R	12/1/09	12/1/09	12/1/09	FC
<b>Operation During Major Emergencies</b>							
F-M4	F-R8	TO load shedding capability*	S	7/1/09	7/9/09	7/9/09	FC
F-M6	F-R5	Voltage reduction testing	T	8/1/09	7/9/09	7/9/09	FC
<b>System Restoration</b>							
G-M1	G-R1	NYISO procedures for maintaining a NYCA System Restoration Plan	U	11/1/08 7	11/1/09	11/12/09 12/03/09 8	8
G-M2	G-R1	Transmission Owner Restoration Plan requirements*	V	11/1/09 7	11/1/09	11/12/09	FC
G-M3	G-R1	Blackstart Provider requirements*	W	11/1/09 7	11/1/09	11/12/09	FC
G-M4	G-R2	System restoration training requirements	X	11/1/09 7	11/1/09	11/12/09 12/03/09 8	8
<b>Local Reliability Rules</b>							
I-M4	I-R1 to I-R5	Consideration of local rules in transmission planning and establishment of operating limits	Y	3/1/09	3/11/09	3/12/09	FC
I-M5	I-R1, I-R3, I-R4	Con Ed Local Rules I-R1, R2 and R4 Procedures	Z	12/1/09	11/1/09	11/12/09	FC
I-M6	I-R5	LIPA Local Rule I-R5 Procedures	AA	12/1/09	11/1/09	11/12/09	FC

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<b>Reliability Assessment</b>							
K-M2a <sup>10</sup>	K-R2	2008 transmission assessment	BB	3/1/09	1/07/09 2/12/09 3/11/09	2/12/09 <sup>4</sup> 3/12/09 <sup>4</sup>	FC
K-M2b	K-R2	2009 resource adequacy assessment	CC	6/1/09	6/11/09	6/11/09 7/9/09	FC
K-M2c	K-R2	Interregional reliability assessment	DD	6/1/09	6/04/09	6/11/09	FC
K-M2d	K-R2	Monthly operations reports			11/12/09 <sup>3</sup>	11/12/09 <sup>3</sup>	FC <sup>3</sup>
K-M3	K-R2	Extreme system condition assessment	EE	3/1/09	3/11/09	3/12/09	FC

\* Market Participant requirements.

### Footnotes

#### 1. NYISO Compliance Documentation Requirements:

- A. **A-M2.** The NYISO Locational Capacity Requirement Report for the 2009-10 capability period. In addition, provide either in the LCR report or in a separate report, required 2009 LSE capacity and IRM requirements for meeting the 2009 NYCA IRM requirement of 16.5%. and locational requirements; and whether any intra-zonal transmission constraints caused by deliverability issues or “bottled” generation have been considered by the NYISO.
- B. **A-M3.** Certification that each LSE has demonstrated that it has procured sufficient capacity for the November 2008 to October 2009 period to meet its ICAP requirement in accordance with NYISO procedures and A-M3.
- C. **B-M1.** Evaluations of the thermal, voltage, short-circuit, and stability performance of the NYS BPS that shows that the system, as planned, is in conformance with the criteria described in NYSRC Rules B-R1 to B-R3, and B-R7. These evaluations shall be included in the 2009 Transmission Assessment required by K-M2a (see Note BB).
- D. **B-M2.** An evaluation of performance of the NYS BPS for extreme contingencies as defined in NYSRC Rule B-R4 and B-M2. This evaluation shall be included in the 2009 Transmission Assessment required by K-M2a (see Note BB).
- E. **B-M3.** As required by B-M3, 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. This assessment shall be included in the 2009 Transmission Assessment required by K-M2a (see Note BB).
- F. **B-M4.** Documentation shall include: (1) NYISO procedure for developing the list of NYS Bulk Power System facilities, and (2) a BPS Facilities List. These documentation requirements shall be defined by a modification of B-M4 (PRR 97, expected to be adopted during the first half of 2009).
- G. **C-M1.** As required by C-M1, NYISO procedures for verification testing of resource capacity testing. The NYISO shall also demonstrate that these procedures include C-M1 modifications and implementation plan addressed in PRR 96 (adopted on 1/9/09).

- H. **C-M2.** 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. This certification shall assure that these test results incorporate required procedural changes defined in revised C-M2 (PRR 96 adopted on 1/9/09).
- I. **C-M3.** 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.
- J. **C-M4.** As required by C-M4, NYISO procedures for reporting outage and load response data to the NYISO. This documentation shall be based on requirements defined in a modified version of C-M4, expected to be adopted later in 2009.
- K. **C-M5.** Certification that ICAP providers submitted outage data to the NYISO as required by NYISO procedures and C-M4. This certification shall be based on requirements defined in a modified version of C-M5, expected to be adopted later in 2009. In addition to the above certification, RCMS may require that the NYISO provide RCMS with certain data to satisfy new C-M5 requirements.
- L. **C-M9.** 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 NYISO procedure (or Tech Bulletin) for ensuring that MPs report to the NYISO and transmission owner changes to equipment parameters, including time requirements, in accordance with C-M9. In addition, the NYISO will provide an implementation plan to resolve issues raised in the NPCC TFSS-38 UFLS report.
- M. **C-M11.** Certification that market participants have provided load flow, short-circuit, and stability data bases to the NYISO in accordance with C-M11.
- N. **C-M13.** Certification that market participants have installed disturbance recording devices and reported data in accordance with NYISO procedures.
- O. **E-M6.** [A] A NYISO report covering a 2009 pre-seasonal 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.
- P. **E-M7.** Certification that applicable equipment owners have evaluated NYISO fault duty assessments in accordance with E-M7.
- Q. **E-M8.** Self-certification that the NYISO has established and maintained a procedure for Applications of the Reliability Rules, posted the list on the NYISO Web site, and that the list is up to date. Also, provide a summary of any Applications changes made over the past 12 months.
- R. **E-M9.** A summary of this year's NYISO exception review in accordance with NYSRC Policy 1 and E-M9 requirements. Provide details of any exception additions, removals, or revisions.
- S. **F-M4.** Certification that transmission owners have reported to the NYISO load shedding documentation in accordance with NYISO procedures and F-M4. (Associated NERC Standard EOP-003)
- T. **F-M6.** A report of the results of statewide voltage reduction tests for the 2009 summer period, in accordance with F-M6. The results of these tests shall be available in time for use in the NYSRC 2010 IRM Study. (Associated NERC Standard EOP-002)
- U. **G-M1.** Applicable documentation and references showing that the NYISO has developed system restoration procedures addressing all of the requirements specified in G-M1. This documentation shall include a matrix showing G-M1 requirements and related procedure references. The documentation shall comply with a modified version of G-M1 (PRR 99), expected to be adopted by May 2009. (Associated NERC Standard EOP-005)

- V. **G-M2.** Certification that all TOs have established restoration plans and if required, blackstart capability plans, in accordance with NYISO procedures and G-M2 requirements. This documentation shall comply with a modified version of G-M2 (PRR 99) expected to be adopted by May 2009. (Associated NERC Standard EOP-005)
  - W. **G-M3.** Certification that blackstart providers are in compliance with NYISO procedures and G-M3 requirements. This documentation shall comply with a modified version of G-M3 (PRR 99) expected to be adopted by May 2009. (Associated NERC Standard EOP-005)
  - X. **G-M4.** Self-Certification that the NYISO maintains restoration training programs in accordance with G-M4 requirements. This certification shall comply with a modified version of G-M4 (PRR 99) expected to be adopted by May 2009. (Associated NERC Standard EOP-005)
  - Y. **I-M4.** [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.  
These self-assessments shall be included in the 2009 NYCA Transmission Assessment (K-M2a).
  - Z. **I-M5.** Certification that Con Edison maintains procedures and has properly notified the NYISO when actions have been taken in accordance with I-R1, I-R3, and I-R4 requirements. Specific references to these notifications shall be provided to RCMS for the previous 12 month period.
  - AA. **I-M6.** Certification that LIPA maintains procedures and has properly notified the NYISO when actions have been taken in accordance with I-R5 requirements. Specific references to these notifications shall be provided to RCMS for the previous 12 month period.
  - BB. **K-M2a.** NYCA 2009 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). Submission of the assessment report to the NYSRC should be coordinated with its submission to NPCC.
  - CC. **K-M2b.** NYCA Resource Adequacy Report for the 2009-2012 period.
  - DD. **K-M2c.** A report on a RFC-NPCC interregional transmission assessment, planned for 2009.
  - EE. **K-M3.** A report on simulation testing to assess the impact of Extreme System Contingency Conditions on the NYS BPS in accordance with K-M3. The report shall cover studies of those Extreme Contingency Events required by NPCC, including an event resulting the loss of gas supply to multiple NYCA generating units. The latter study shall recognize current environmental initiatives.
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. This information is for the October 2009 operations report. All previous reports were in full compliance. The November report will be reviewed in January 2010.
  4. The NYCA 2008 Transmission Assessment was provided to RCMS on 1/7/09 and NYSRC-required supplemental documentation (see Note BB) was provided on 2/12/09. RCMS comments on these reports will be submitted to the NYISO by 2/27/09. A third draft was reviewed on 3/12/09 by RCMS and further modifications requested, with K-M2a full compliance action pending receipt of these changes (received 3/30/09).
  5. Review of C-M11 compliance rescheduled to July RCMS meeting pending NYISO receipt of a governor response survey from market participants as discussed at a 2/23/09 meeting with NYISO staff. An additional extension to 8/13/09 was approved to reflect discussion of survey results.

6. NYISO Fault Duty Assessment report was revised per RCMS 6/11/09 discussion; revised report was submitted to RCMS for review at July 9 meeting. However, RCMS found this report to be inadequate on July 9. An acceptable report was required to be submitted within 30 days to avoid a non-compliance finding. An acceptable report was later received within the 30-day period.
7. This date was changed to accommodate future NYSRC adoption of revised NYSRC System Restoration rules and measurements per PRR 99.
8. RCMS found that compliance documentation for those G-M1-required NYISO procedures requiring certain MP actions was not provided. On 12/2/09 RRS confirmed that the NYISO has misinterpreted these G-M1 requirements. RCMS also found that certain required documentation for G-M4 compliance was not provided. Non-compliance action was not found by RCMS because G-M1 and G-M4 were recently modified (August 2009), and that there was a misunderstanding by the NYISO of certain NYSRC requirements. Therefore, no 2009 compliance findings for G-M1 and G-M4 were designated by RCMS. RCMS will work with NYISO staff in 2010 to ensure that the necessary NYISO procedures are implemented to fully comply with G-M1 and G-M4 requirements. Further compliance review of Measurements G-M1 and G-M4 has been scheduled for 2010.
9. The NYISO is in full compliance with C-M1.1, C-M1.2, and C-M1.4. However, required procedures and processes to satisfy C-M1.3 (training) and C-M1.5 (data screening) requirements have not been fully implemented because of insufficient time to prepare this documentation since PRR 101 was approved in October 2009.
10. Compliance review of the 2009 Transmission Assessment, originally scheduled for 2009, was rescheduled for January 2010 as part of the 2010 Reliability Compliance Program.