

***Meeting of the
New York State Reliability Council, L.L.C. (NYSRC)
Reliability Rules Subcommittee (RRS)***

***Final Minutes of Meeting #117
RRS Meeting @ NYSERDA Offices
17 Columbia Circle, Albany, NY
Thursday, March 05, 2009***

In Attendance:

Larry Hochberg	NYPA	Member
Greg Campoli	NYISO	Guest
Al Adamson	Consultant	Member
John Adams	NYISO	Member
Edward Schrom	NYSDPS	Member (phone)
Roger Clayton	Chairman	Member
Brian Gordon	NYSEG (Secretary)	Member (phone)
Roy Pfleiderer	National Grid	Member
Robert Ganley	LIPA	Member
Joseph Hebert	NYSDPS	Phone (phone)
Henry Wysocki	ConEd	Member
Tony Elacqua	NYISO	Guest

* Denotes part time attendance.

Agenda Items

1.0 Introduction

Meeting 117 was called to order by Mr. Clayton at 09:30.

1.1 Executive Session

No Executive Session was requested.

1.2 Requests for Additional Agenda Items

Load flow analysis data (potential need for NYISO to perform due diligence on load flow analysis data similar to C-M4 generator outage data) is assigned to item 4.2.

2.0 Meeting Minutes/Action Items

2.1 Approval of RRS Meeting #116 Minutes

The minutes of RRS Meeting #116 were approved with changes as final.

Mr. Clayton will pose to EC a request for Mr. Qayyum as Alternate RRS member (AI 117-1).

2.2 Action Items List

The following Action Items were reviewed:

AI 87-5 RRS to monitor Reactive Power WG discussions on NERC rules regarding reactive power issues and modeling

ABB loss study will be discussed on the next meeting. Load power factor methodology is being considered but criteria are not being discussed. There is still a potential for a future reliability rule.

AI 113-4 Subgroup to be established to refine PRR 99 for the RRS

Status changed to complete on 3/5/2009.

AI 114-2 Request input from the NYISO to develop this criteria with respect for AI 114-1

Status changed to complete on 3/5/2009.

AI 115-2 Review the new Directory #1 during the open for review period that ends 2/15/09

Status changed to complete on 3/5/2009 because of no comment.

AI 115-5 Request that password protection be investigated for the NYSRC roster portion of the website.

Status changed to ongoing on 3/5/2009.

AI 116-1 Inclusion of BPS testing in the study process for new facilities with EC and Mr. Corey

Status changed to ongoing on 3/5/2009.

AI 116-2 Implementation plan for PRR 100 – Align with A-6 Directory

Status changed to complete on 3/5/2009.

AI 116-5 Form the NYISO – NYSRC RRS group with the appropriate NYISO individuals to resolve BPS issues

Status changed to complete on 3/5/2009.

AI 116-6 Prepare NYISO – NYSRC working group scope

Status changed to complete on 3/5/2009.

3.0 NYSRC Reliability Rules (RR) Development

3.1 List of Potential RR Changes

RRS reviewed the list of potential rule changes.

PRR 100 Align with NPCC Document A-6

Mr. Hochberg reviewed previous RRS discussions on the sustainability requirements included in PRR 100. Since a portion of PRR 100 regarding sustainability of regulating reserve was removed by NYISO, Mr. Hochberg questioned the need to add any of the NPCC sustainability requirements if they are not more specific or stringent than the NPCC requirements or do not apply to a different set of elements. Mr. Adams noted that in his discussions with NYISO personnel that CPS 1 and 2 is the only NERC requirement. Additionally, this requirement can be met by a variety of methods utilizing various resources. There are no NERC standards or requirements for regulation service. Mr. Clayton mentioned that there is another reason to add information to the reliability rules beyond the need to be more specific and stringent. That need is for the reasons of being complete and to increase awareness of a given requirement. Redundancy is acceptable for understanding the complete criteria surrounding any given reliability concept. Mr. Hochberg noted that the issue of redundant NPCC and NERC rules within the NYSRC rules had been discussed at the EC. After additional discussion, RRS agreed that PRR 100 will be removed and that the sustainability requirement will rely on the NPCC standard. Mr. Adams noted that the NYISO complies with the NPCC sustainability requirements for operating reserves.

PRR 101 C-R2, C-M4 and C-M5 changes

NYISO comments and Mr. Hochberg comments were received by the RRS for PRR 101. The RRS reviewed the NYISO comment PRR 101 document in parallel with Mr. Hochberg comments. Under item C-R2, there were no comments. Under item C-M4, the NYISO removed the terminology “to ensure that” and replaced it with the phrase “designed to provide the most complete”. This was because the NYISO cannot ensure that the generator data that was submitted would be accurate. Mr. Adamson requested that the part of the new phrase “the most” be removed. Changes were accepted by RRS. Mr. Hochberg commented on the sentence “This data shall include forced, partial, and maintenance outage statistics.” He stated that it does not specify all of the different types of data required and that it should either be complete or be removed. Mr. Adamson stated that the types of data were a complete listing but if they were not the term “including” should handle any extra data. RRS agreed that the phrase “shall include but not limited to” would address this concern. The product of the process is generator forced outage rates and information required to determine that value is the data that must be complete and accurate. Also under item C-M4 - bullet 3, Mr. Elacqua stated that the NYISO cannot ensure consistent and accurate data. Bullet 3 wording of “ensuring that” should be changed to “submission of” and remove the phrase “is submitted” to avoid NYISO ensuring that generator owner submitted accurate generator data. Bullet 4 comment was raised concerning the need to mention the consequences for filing to

adhere to the NYISO procedure. The Tariff describes the consequences. It was commented that bullet item 4 does not represent a reliability issue and any NYSRC rule would have consequences if not complied with. It will be left for now and Mr. Clayton will request an opinion from Mr. Gioia (AI 117- 2). Bullet item 5 wording “designed to provide” is acceptable but must remove the phrase “the most”. Item 5 phrase “to support” is to be removed and the phrase “prior to use in any” will be added. Mr. Hochberg requested a new item 6 that adds the concept of NYISO signing and certifying that the procedures had been followed. This is addressed at the NYISO in job procedures and audit procedures. This function is to be identified in the compliance elements and will not be added as an item 6. In the header of C-M4, “establish and maintain” will be changed to “establish, maintain, and follow” to handle the future compliance requirement. Under item C-M5, NYSRC RRS interpretation is that it does not require accurate GADS data submittal but it must be accurate prior to the study. NYISO can certify that it has reviewed and screened before entering the study process. Much discussion surrounded the phrase “prior before use in studies”. Levels in non-compliance would be constructed to require the generator owner to have responsibility of providing accurate data prior to use in reliability studies. Add a “period” after the word accurate. The NYISO has compliance problem with certifying that the generator owner has complied with the complete and accurate requirement (it may pass the MMU test but may still be inaccurate data). Under C-M6, Mr. Adams to introduce Mr. Hochberg’s suggested revision to C-M6 to the NYISO regarding the use of formatting similar to NERC’s annual Generating Availability Report (Mr. Hochberg will forward NYPA’s comments to Mr. Campoli) (AI 117-3). Mr. Adamson will prepare a revised PRR incorporating the above comments, recognizing there are still outstanding issues. This version will be provided to RCMS for discussion of compliance element principles.

New PRR 102 K-M2-D

New PRR is needed to consolidate into K-M2 D for monthly operating report to RCMS. Monthly reporting requirements would be better located into one measurement. This will include the operating reporting requirement currently found in D-M1, E-M2, E-M3, E-M5, and F-M5 to be located into one measurement at K-M2 D. Example mentioned was hourly operating reserve requirement to be modified so that it more accurately reflects the monthly operating report that is provided.

New PRR 103 C-R4 C-M9,10, and 11

A market participant requested a facility upgrade and employed PTI to perform the SRIS study that used a NYISO provided case as a base case for the study. After the study was near completion, it was discovered that some base case data parameters were not correct. Proposed series reactors that were ahead in the queue were not in the base case. This causes the short circuit analysis to be incorrect. A GSU step up transformer X/R ratio was incorrect by a factor of ten. Additionally, generator lead impedance was incorrect. As a result, the engineers at PTI had to devote additional time to check load flow data in the base case and to verify that recently added projects were correctly modeled data in the case. This was a task that should have already been performed in the original base case. Due to concerns over study base case problems, the OC rejected SRIS. This problem may have reliability implications. Mr. Clayton stated that the load flow data should be entered and modeled correctly and entered through a due diligence process. He will bring up issue at the EC (AI 117-4)

3.2 NPCC Criteria

NPCC Update

A-10 revision is now being reviewed internally at NPCC for comment posting on March 16. This will be heading for a standard after the revised A-10 is complete. It is still a performance based test. The reference to Directory #8 (PRR 99) will be removed from the tracking summary. Directory #1 (old A-2) comments were provided and NPCC is reviewing. Directory #3 comments are due on March 14; although any criteria changes should be relatively minor.

3.3 NERC Standards

NERC Standard Tracking

Concerning FAC-011, the recent NERC Standards Committee teleconference meeting may have included withdrawing the proposed SAR revision. No information has been received as a result of that meeting.

4.0 Additional Agenda Items

4.1 BES / BPS Impact on NYSRC RR

Presentation was created for the EC. Last two pages included the basic recommendation. NYISO and RRS group will be starting with ATR list as a basis for facilities under the jurisdiction of the NYSRC. At the previous meeting, there was listed some characteristics for this new list: NYISO secured, A-10, 230 kV above or some other voltage, and essential for interregional reliability. Performance based test may be required for new list. A-10 list as a minimum should be included. Scope of list may include concerns over local area vs. regional, overall impact, or reliability, etc. NPCC BPS in future will be the A-10 list. NERC BES definition is being identified for NPCC which will clearly identify facilities that are under NERC jurisdiction. NYISO secured may have market impacts and other objectives included for monitoring. Mr. Elacqua will obtain the latest version of NYISO secured list and ATR list with cross check (AI 117-5). Mr. Adams will obtain criteria of how they get onto the NYISO secured list (AI 117-6). Generator criteria to be a part of the NYSRC list were discussed.

4.3 Exception 19

As requested by RRS, Mr. Hochberg checked into the history of Exception 19 to help explain the rationale of why the exception allows the Q35L and Q35M cables to go above the STE rating for loss of one on the other. He could not find out why the Exception was created to permit operation above STE but did state that the STE rating is much higher than any present Poletti capability. Therefore, upon loss of one of the cables, the remaining cable could not go above STE with the current Poletti generation configuration. On Poletti retirement, the exception would need to be rescinded. Mr. Hochberg asked RRS what the process is for rescinding an exception. RRS agreed that when Exceptions are added, the request must go through the NYISO operating committee process with final approval from NYSRC. Mr. Adams stated that to rescind Exception

19, all that is needed is a letter from NYPA to the NYISO Operating Committee with a copy to NYSRC EC and RRS and does not require any study work. RRS agreed with Mr. Adams. Mr. Adamson and Mr. Elaqua will check the validity of these STE exceptions (7, 10, 14, 17, and 19) can be included in next years audit (AI 117-7).

5.0 Committee Reports

5.1 EC

No additional information.

5.2 ICS

ICS is developing scope for a NYISO forward capacity market IRM study for 2013. Scheduled completion is for June or July. This study will be used as a trial to test methods, resource requirements, and study procedures. Another study will be looking at forced outage rate trends to determine the best method of forecasting future forced outage rates for the next IRM study. ICS is preparing for the 2010 IRM study.

5.2 RCMS

RCMS will be meeting next week and has completed the annual compliance report for 2008.

6.0 Next Meeting

Meeting #117 was adjourned at 14:06.

The next meeting (#118) is scheduled for Thursday, April 9, 2009 at 9:30 in the NYSERDA offices located at Columbia Circle, Albany, NY.