

***Joint Meeting of the
New York State Reliability Council, L.L.C. (NYSRC)
Reliability Rules Subcommittee (RRS)/
Reliability Compliance Monitoring Subcommittee (RCMS)***

***RRS/RCMS Meeting at the NYSERDA Offices
17 Columbia Circle, Albany, NY
Tuesday, November 29, 2011***

Final Minutes of RRS Meeting # 148

In Attendance:

Alan Adamson	Consultant	Member
Larry Hochberg	NYPA (RRS Secretary)	Member
Roger Clayton	Electric Power Resources (Chairman)	Member
Roy Pfleiderer	National Grid	Member-Phone In
Jim Grant	NYISO	Member
Ed Schrom	NYSDPS	Member-Phone In
Henry Wysocki	Con Edison	Member-Phone In
Mayer Sasson	Con Edison	EC Member-Phone In
Martin Paszek	Con Edison	Guest-Phone In
Zoraini Rodriguez	National Grid for LIPA	Member-Phone In
Jeff May	Central Hudson	Member
Brian Gordon	NYSEG	Member-Phone In

Paul Kiernan	NYISO	Member
Kristin Bluvas	NYISO	Guest
George Pond	Hiscock & Barclay for TDI	Guest
Ekin Senlet	Hiscock & Barclay for TDI	Guest
Ken Haase	Consultant for TDI	Guest-Phone In

Agenda Items

1.0 Introduction

RRS Meeting #148 was called to order by Mr. Roger Clayton at 9:35 AM.

Declarations of Conflict of Interest: None stated.

1.1. Executive Session

No Executive Session was requested.

1.2. Requests for Additional Agenda Items

4.5 Meeting Protocol

4.6 Roster Update

4.7 Rules Manual Version 30

2.0 Meeting Minutes/Action Items

2.1 Approval of RRS Meeting Minutes #147

The meeting minutes were approved with changes as final. Mr. Hochberg will revise and issue the final minutes.

2.2 Action Items List

AI 142-2: Ongoing. Mr. Wysocki reported that Con Edison will make a presentation on its winter season Minimum Oil Burn study results at the next RRS meeting.

AI 148-1: Mr. Wysocki agreed, as an Action Item, to have Con Edison make a presentation on its winter season Minimum Oil Burn study results at the next RRS meeting.

AI 143-1: Ongoing. Mr. Adamson said he will get an update from Mr. Gioia.

AI 144-3: Ongoing. Mr. Hochberg reported that since the last RRS meeting, several NYISO actions were taken to control high voltage at Coopers Corners. These included keeping the Marcy-Coopers Corners line out of service on one occasion, using the Marcy STATCOM to absorb 200 MVAR reactive on 14 occasions and supplementing the STATCOM action once with a Blenheim-Gilboa unit.

AI 147-1: Completed.

AI 147-2: Due date changed to January 5 RRS meeting.

AI 147-3: Completed.

AI 147-4: Completed.

3.0 NYSRC Reliability Rules Development

3.1. List of Potential Reliability Rules Changes

Mr. Clayton reported that PRR's 107 and 108 received final approval from the EC on 11/10/11.

3.1.1 PRR 109: Mr. Adamson reported that he added the compliance elements and also made additions to the implementation plan and comments sections. Mr. Clayton requested Mr. Adamson to also fill in section 3 of the PRR. Mr. May suggested replacing "shall have" with "has prepared" in section 7A. Mr. Adamson also reported that the implementation plan was discussed at ICS yesterday and NYISO staff will provide comments later. Mr. Adamson agreed to revise the PRR for review by RRS at its next meeting.

AI 148-2: Mr. Adamson agreed, as an Action Item, to revise PRR 109 in accordance with RRS discussions.

3.1.2 PRR 110: Mr. Clayton summed up the discussions at the last RRS meeting as well as developments that have occurred since then. He noted that NYPA, Con Ed and the NYISO said they had concerns about PRR 110 at the last EC meeting so the PRR was remanded to RRS for further discussion. Both NYPA and Con Ed provided modified PRRs to address their concerns and these as well as the original PRR were posted for discussion at this meeting.

The discussion first turned to the modification made by NYPA which was to add the language "with the consent of the owner of the cable". Mr. Clayton said he did not understand NYPA's rationale (section 5 of the PRR) for its modification to Con Ed's rule change. Mr. Hochberg explained that the term "HVdc control" proposed in the Con Ed rule change is technically very different than the term "phase angle regulation" used in the original rule. He said one aspect of this difference is that "HVdc control" can be very quick acting as compared with the relatively slow action of PAR control. In addition, he observed that since the term "HVdc control" is undefined in this rule change, it could be very broadly interpreted to mean a quick acting fully automatic control similar to an SPS or some other type of automatic control such as a fast power

runback scheme. Therefore, Mr. Hochberg explained, the addition of the term “HVdc control” to this rule could result in the circumvention of the normal Council processes that are required for obtaining approval to add an SPS and get a post-contingency STE operating exception for normal transfer conditions. It is for that reason that NYPA has inserted additional language in the Con Ed rule change, namely, “with the consent of the owner of the cable” so the cable owner has the ability to decide whether or not it wants to permit its cables, under normal transfer conditions, to be subjected to post-contingency STE overloads that could result from this proposed rule change. Mr. Sasson added that it was unclear what party would be held responsible for the cost of repairing cable damage due to a failure of the “HVdc controls” to operate when required to back down an STE overload if the cable owner and HVdc owner are not the same entity. Mr. Clayton noted that “HVdc controls” could also refer to slow action under HVdc operator control similar to the PAR control referred to in the current rule. Mr. Pfleiderer suggested that perhaps the entire original rule allowing post-contingency STE overloads for cables be scrapped and specific operating exceptions for these cables be obtained instead. RRS agreed that approach could probably be very cumbersome to implement for TOs already using this rule to operate their cable systems. Mr. Clayton concluded the discussion by saying that since NYPA’s modification could have commercial implications and that such language does not appear anywhere else in the rules manual, he wanted to have NYSRC counsel review it first before continuing the discussion. Also, since the NYISO had expressed reservations about the Con Ed modification at the last EC meeting, Mr. Clayton requested the NYISO to provide its comments on the Con Ed PRR as well.

The discussion next turned to the modification made by Con Ed. Mr. Sasson stated that Con Ed added “ten minute operating reserve is not utilized and only” to the “loss of transmission” part of the rule to make it clear that it was Con Ed’s intention that only transmission resources (and not generation resources) shall be used to reduce an STE overload down to LTE if “HVdc control” is added to the rule. As an example of Con Ed’s concern, Mr. Paszek said that it was not their intention to allow an HVdc tie to an asynchronous network such as Hydro Quebec’s or to any generation isolated from the Eastern Interconnection on the sending side of the HVdc to be used for the purpose of their rule change since that would be similar to using a generator to back down an STE overload and that was never intended in the “loss of transmission” part of this rule. Mr. Haase suggested adding the use of 10 minute operating reserve in the “loss of transmission” part of the rule as another means of backing down an STE overload. Mr. Clayton said that suggestion would add a whole new dimension to this rule change and he would not consider it in PRR 110. However, Mr. Clayton invited Mr. Haase to submit a new PRR if he wanted to pursue that concept although Mr. Clayton said he considered it a reduction in reliability. A question was raised about the use of “HVdc control” in the context of this rule change where the HVdc sending end (rectifier) is connected to the grid in another control area in the EI such as PJM and not connected within the NY control area. Mr. Sasson stated that slow acting AGC would correct for the interchange error after an HVdc control action in that instance and he does not consider it to be an issue of concern. Mr. Clayton indicated that he considers the Con Ed language modifications as a clarification to the current wording of the rule. Mr. Sasson agreed but stated that it is important that the interpretation of our rules be clear. RRS concluded that since Con Ed was concerned about the use of any kind of generation resource in the “loss of transmission facilities” provision to reduce the STE overload, the word “only” was left in the PRR and the rest of the modification was removed. Also, Con Ed agreed to modify its rationale

in the PRR to make it clear that the use of “HVdc control” in the “loss of transmission facilities” provision of the rule shall not be solved with any generation resources, only transmission resources.

AI 148-3: Mr. Clayton agreed, as an Action Item, to have NYSRC counsel review NYPA’s modification to PRR 110 to address his concerns.

AI 148-4: Mr. Grant agreed, as an Action Item, to have the NYISO review and comment on PRR 110 including the proposed modifications.

AI 148-5: Mr. Sasson agreed, as an Action Item, to resubmit the Con Ed PRR 110 in accordance with RRS discussions.

3.2. NPCC Rules Revisions updates

Mr. Adamson reported that there were no NPCC rules revisions updates to report on.

3.3. NERC SARs/Organization Standards

NERC Standard Tracking

Mr. Adamson reported that recirculation ballots for the updated BES definition passed and the exceptions criteria failed. He is still waiting for final approval of the TPL standard.

4.0 Additional Agenda Items

4.1. BES/BPS Definition-Impact on NYSRC Reliability Rules

Mr. Clayton said that RRS will have to work on updating its rules in 2012 now that the BES definition has been approved by the ballot body.

4.2 Interface Limits in NYISO Studies

Mr. Clayton reported that the NYISO will report on the status of its presentations on trends in interface limits and the TEI manual revisions at the next RRS meeting.

4.3 Policy 6 update

Mr. Adamson reported that the decision whether or not to retain Policy 6 is still under review by Mr. Gioia.

4.4 Glossary Revision of “Contingency” Definition

At the last RRS meeting, RRS agreed, in response to a request from Mr. Dahl, to modify the glossary definition of “contingency” as follows: change “or other electrical element” to “or other electrical or gas elements”. Mr. Clayton reported that the EC at its last meeting rejected RRS’

suggested change to the definition of “contingency” to include gas elements and remanded it to RRS. As a possible solution, Mr. Clayton suggested removing extreme contingency (i.) loss of fuel delivery from the Table B list of extreme contingencies and adding it as a separate test in the extreme contingency assessment section B-R4 of the rules. RRS agreed that Mr. Clayton could suggest that at the next EC meeting.

Mr. Clayton also reported a change to the existing practice for glossary definition approvals. He said that the EC now will require EC approval of any changes to the Glossary. Mr. Adamson was requested to revise Policy 1 to reflect this change at the next update.

AI 148-6: Mr. Clayton agreed, as an Action Item, to suggest removing extreme contingency (i.) from Table B and adding it to section B-R4 of the rules at the next EC meeting.

AI 148-7: Mr. Adamson agreed, as an Action Item, to update Policy 1 to reflect the requirement for EC approval of any changes to the Glossary.

4.5 Meeting Protocol

Mr. Wysocki expressed concern that the last RRS meeting was interrupted for an RCMS discussion to accommodate some attendee’s schedules. Mr. Clayton responded that he will try his best to keep the meetings separate in the future.

4.6 Roster Update

Mr. Clayton noted that Mr. Hebert has not appeared at RRS in a long time and he will speak to Mr. Schrom about removing Mr. Hebert from the roster. He also said he will add Mr. Zach Smith to the roster.

4.7 Rules Manual Version 30

Mr. Hochberg noted that the version history in the rules manual should be corrected to indicate that rule F-R1 and not measurement F-M1 was updated in Version 30. Mr. Adamson agreed to correct the version history at the next manual update.

AI 148-8: Mr. Adamson agreed, as an Action Item, to correct the version history for version 30 at the next update of the rules manual.

5.0 Committee Reports

5.1. NYSRC EC Meeting Report

All EC items were covered during the RRS and RCMS meetings and there were no additional RRS items to report on. Mr. Clayton noted that NPCC is having its annual meeting in Toronto today.

5.2. NYSRC Installed Capacity Subcommittee (ICS) Meeting Report

Mr. Adamson reported that the ICS met yesterday and the final draft of the IRM report, including a base case IRM recommendation of 16.1%, will be going to the EC for approval on Friday, December 2.

6.0 Next RRS/RCMS Meeting

RRS meeting #148 was adjourned at 12:05 PM.

The next RRS/RCMS joint meeting is scheduled for Thursday, January 5, 2012 at 9:30 AM in the NYSERDA offices located at 17 Columbia Circle, Albany, NY.