

**Joint Meeting of the
New York State Reliability Council, L.L.C. (NYSRC)
Reliability Rules Subcommittee (RRS) /
Reliability Compliance Monitoring Subcommittee (RCMS)
Thursday, January 30, 2020**

Minutes of RRS Meeting No. 246 (Conference Call)

RRS Members and Alternates:

Roger Clayton, Electric Power Resources (Chairman, Secretary Pro-Tem)
Larry Hochberg, NYPA (Vice Chairman)
Abhilesh Gari, NYPA Alternate
Zoraini Rodriguez, PSEGLI/LIPA
Brian Shanahan, National Grid
Martin Paszek, Consolidated Edison
Brian Gordon, NYSEG

Non-Voting Participants:

Al Adamson, Consultant
Jim Grant, NYISO
Mark Capano, NYISO
Chris Sharp, NYISO
Aaron Markham, NYISO
Humayun Kabir, NYS DPS

Guests:

Sal Spagnolo, NYPA
Dan Head, Consolidated Edison

RRS Meeting No. 246 was called to order by Mr. Clayton at 10:00 AM.

1. Introduction

1.1. Executive Session (if requested)

None requested.

1.2. Requests for Additional Agenda Items

Item 3.4.2 – Grid in Transition.

2. Approval of Minutes/Action Items

2.1. RRS 245 Approval of Minutes 📄 - R. Clayton

Approved without revision.

2.2. RRS 245 Status Report to EC 📄 - R. Clayton

Mr. Clayton presented a copy of the 'RRS 245 Status Report' which was developed for the Executive Committee (EC) as a summary of the RRS 245 meeting.

2.3. RRS 245 Action Items List 📄 - R. Clayton

Mr. Clayton reviewed the RRS 245 Action Item list:

Action Item 83-8: Ongoing. No update.

Action Item 228-1: Ongoing. No update.

Action Item 232-6: Ongoing. ICS to monitor developments. No update.

Action Item 236-1: Ongoing. No update. Martin Paszek will monitor & report.

Action Item 244-1: Completed.

3. NYSRC Reliability Rules Development

3.1. PRR List

3.1.1. PRR List Outstanding 📄 - R. Clayton

Mr. Clayton reviewed the list. PRR 145 & PRR 147 are posted for comment on the NYSRC website. PRR 128 (NPCC A-10) is moving through the NPCC approval process (see Agenda Item 4 below). PRR 146 & PRR 148 are on today's agenda.

3.2. PRRs for EC final approval after posting

None.

3.3. PRRs for EC approval to post for comments

3.3.1. PRR 146 - B.4: Transmission System Interconnection Special Study Assessments – R. Clayton

PRR 146 was reviewed including the revisions recommended at the last meeting and the addition of the compliance elements. RRS recommended that the EC approve the revision for posting.

3.3.2. PRR 148 – D.1 Mitigation of Major Emergencies – A. Markham (NYISO)

Mr. Markham introduced this PRR whose objective is to eliminate the need to declare Major Emergencies for those exceedances of voltage collapse and stability interface limits that pose little threat to reliability when they can be easily resolved through the application of ordinary NYISO operating procedures. He noted that unwarranted declarations of Major Emergencies might dilute the seriousness of a Major Emergency Declaration.

Mr. Hochberg noted the following concerns:

- Need for coordination between the declaration of Alert & Major Emergency states to which NYISO agreed.
- Need for clarification of that the IROL levels noted in the NYISO's Emergency Operations Manual and the Interface Limits noted in the NYSRC's RRCM Manual are the same to which NYISO agreed.
- Need for revision to the NYSRC's RRCM Manual to correct the Glossary "System Operating States" reference to a non-existent Section 5.

The NYISO agreed with Mr. Hochberg's comments.

Mr. Clayton noted the following concerns:

- The proposed changes to R4.2 (Voltage Collapse) and R6.2 (Stability) assume that there is time for the exceedances to be resolved by operator action within a 10 minute time frame. However, the concern is that voltage collapse and instability occur much quicker than 10 minutes and the proposed PRR removes the operator's ability to order the Major Emergency remedy of load shedding in that time period. Mr. Markham responded that the proposed rule change will not alter how NYISO Operators approach such exceedances today. An Alert state will be immediately declared and Operators will order immediate action to reduce flows. The need to direct Load Relief measures is the only reason a Major Emergency declaration would be required; in practice, these would only be ordered if other measures would not sufficiently address an exceedance. Further, the rule change does allow the NYISO Operator to declare a Major Emergency immediately to allow for Load Relief measures to be implemented if appropriate.
- The proposed changes are unclear as to which interface exceedances require a declaration of Major Emergency and which ones can be resolved by operator action. Mr. Markham responded that the NYISO Operators have the tools to determine which exceedances will require Load Relief measures to resolve and under the proposed rule a Major Emergency will be declared as soon as needed or no later than at minute 10 of an exceedance of more than 5%.
- Need to clarify that the declaration of a Major Emergency "At the NYISO's discretion" is based upon an N-1/-1 condition where a first contingency has occurred and interface limits are still exceeded. Mr. Markham clarified that the exceedance is based on the next worst contingency from the off-line operating studies which are based on a stressed system and also incorporate additional margin. The typical sequence of events is the system is operating with lower flows, less than those limits where, after an N-1 event occurs, the system is over the limit for the next worst contingency and the rules allow for action to be taken to bring flows within limits in established timeframe (15 or 30 minutes).
- Need to note in the first paragraph of the proposed changes that all of the remediation measures associated with the Alert State are available for activation prior to the declaration of a Major Emergency. [Clayton note: Does this mean that there are no unused operator actions available for the application of "ordinary NYISO operating procedures"?] Mr. Markham explained that in an Alert state, all actions except Load Relief, Voltage Reduction and/or Load Shedding are available to the Operators.

Mr. Adamson asked NYISO staff whether the proposed rule change would improve NYCA reliability. Mr. Markham responded that reliability would be enhanced as the NYISO will not be declaring unnecessary Major Emergencies, and so a declaration would carry the seriousness it deserves.

Mr. Adamson will review and correct the NYSRC's RRCM Manual's Glossary System States' reference to a non-existent Section 5 (Action Item 246-1).

Mr. Markham will revise PRR 148 based upon the above comments (Action Item 246-2).

3.4. Discussion items

3.4.1. Reliability Risk Priorities

Mr. Adamson suggested at the last EC meeting that the NYSRC prepare a matrix for tracking – long term risks to NYCA reliability – such as large penetration of inverter based resources and extreme weather events – and actions for mitigating these risks. Mr. Clayton noted that NYSRC has already implemented actions such as new rules and other activities recognizing long term risk factors – such as the DER workshop, and PRRs on long term resources adequacy, and special studies. As an example, he introduced the NERC 2019 ERO Reliability Risk Priorities Report which systematically evaluates long term risk vs. adverse system impact for a range of risk factors, such as:

- Cyber security
- Loss of situational awareness
- BPS planning
- Resource adequacy and performance
- Changing resource mix
- Human performance and skilled workforce
- Increasing complexity in protection and control
- Extreme natural events

Of these, the cyber security risk was judged to have the highest adverse impact and highest probability of occurrence. He requested RRS to review this report with the objective of developing a list of long-term reliability risk factors applicable to NYCA for RRS's consideration of PRRs or other activities (Action Item 246-3).

3.4.2 Grid in Transition Report

NYISO will present to RRS the reliability recommendations from its final Grid in Transition report (Action Item 246-4).

4. NPCC Directories

NPCC held a webinar on January 24, 2020 to discuss the comments received on the proposed revisions to NPCC Regional Reliability Reference Criteria A-10 Classification of Bulk Power System Elements. Mr. Paszek participated and noted that Avangrid, in conjunction with Eversource objected to perceived ambiguity in the exception process. However, the revision was not further changed and will be considered for approval at the February 27, 2020 NPCC RCC meeting. Mr. Paszek will make a presentation on the revised A-10 procedure at the next RRS meeting (Action Item 246-5).

5. NERC SARS/Organization Standards

5.1. NERC Standard Tracking – A. Adamson

Balloting for CIP-004-7 and CIP-011-3 ends on February 3, 2020. Mr. Adamson has sent out a request for ballot input from members.

6. Additional Agenda Item

6.1. 2019 RRS Annual Report – R. Clayton

Mr. Clayton presented the draft report. RRS approved posting it on the website and sending it to the EC for informational purposes.

7. Reports

7.1. NYSRC EC Meeting Report – R. Clayton

Mr. Clayton provided a summary review of recent EC meeting topics:

- Mr. George Smith has announced his retirement as an Unaffiliated Member of the EC. The NYSRC selection committee has commenced the search for his replacement.
- The EC approved the formation of a Resource Adequacy Working Group with the objective of ensuring that the EC is informed about current practice and proposals for resource adequacy metrics at the regional, national and international levels.

7.2. NYSRC ICS Meeting Report – A. Adamson

Mr. Adamson provided a summary review of last Tuesday's ICS meeting topics:

- ICS edited ICS's High Renewable draft white paper. The paper will be forwarded to the EC for approval.
- ICS approved scopes for several new and revised IRM study models for which white papers will be prepared.

The meeting was adjourned at 11:54 AM

8. Next Meeting #247

Thursday, March 5, 2020; 10:00 am @ NYSERDA, 17 Columbia Circle, Albany