

***FINAL***

***New York State Reliability Council (NYSRC)  
Reliability Rules SubCommittee (RRS).  
Minutes of Meeting #6***

***NYPP Control Center  
Guilderland, NY  
Tuesday, November 16, 1999***

**Attendance**

Mayer Sasson (Chairman)	Consolidated Edison of New York, Inc.	Member
Roger Clayton (Secretary)	PG&E Generating	Member
Keith O'Neal	New York State PSC	Member
Larry Hochberg	New York Power Authority	Member
Steve Corey	New York Power Pool (ISO)	Member
Alan Adamson		Consultant

The meeting was convened at 10:00 am and adjourned at 4:00 pm.

**Introduction**

Mr. Sasson proposed the following agenda:

1. Approval of RRS Meeting #5 Minutes
2. NYSRC EC Meeting #7 report
3. ICAP WG report
4. Discussion of "Procedure for Developing, Approving and Disseminating NYSRC Reliability Rules"
5. NYSRC RR compliance with NPCC/NERC
6. NYSRC RR development
7. NYSRC Openness Policy
8. NYSRC RRS 2000 budget

There being no objection, the above agenda was adopted.

**1. Approval of RRS Meeting #5 Minutes**

The RRS Meeting #5 Minutes were unanimously approved with minor revisions.

## **2. NYSRC EC Meeting #7 report**

The EC returned draft #4, "Procedure for Developing, Approving and Disseminating NYSRC Reliability Rules" to the RRS with suggested revisions.

Mr. Corey noted that the NY ISO is initiating a study on reactive support and voltage analysis in NY State.

## **3. ICAP WG report**

The summer 2000 reserve requirements study is continuing from the Phase 1 (single area) to Phase 2 (multi-area) analyses. Issues reported included: modeling of NYPP internal transfer limits; modeling of forced outage rate uncertainty; modeling of EOPs; modeling of local RR; response to NYSEG's comments on study assumptions.

The history of the statewide reserve margin was discussed. The current 22% value was based upon a 1987 NYPP study using a two-area reliability program. A 1996 NYPP study revised the number down to 18% based upon updated modeling of the: hydro model calculation; load shape; NUGS; NYPP unit availability; tie assistance; inclusion of load and forced outage rate uncertainties. The 1996 study also used the new MARS model. The 18% reserve margin was never implemented but it is felt that it is the appropriate benchmark to use when comparing the results of the current studies.

The RRS recommended that the summer 2000 reserve requirements report should include the following topics: results showing the progression of LOLE and reserve requirements through all phases of the study; sensitivity results; comparison of the current results to those of the NYPP 1996 and 1987 studies; all assumptions.

The following schedule was proposed for completion of the summer 2000 reserve requirement study:

- < 11/30/99 ICAP WG meeting. Draft presentation of final results and recommendation
- < 12/1/99 Distribute draft presentation to RRS for review
- < 12/3/99 RRS conference call to discuss and approve draft presentation (0930 to 1130)
- < 12/6/99 Presentation of draft results and recommendations to NYSRC EC
- < 12/30/99 Draft final report to RRS
- < 1/6/00 Joint RRS/ICAP WG meeting to discuss and approve draft final report

## **4. Discussion of "Procedure for Developing, Approving and Disseminating NYSRC Reliability Rules"**

The EC returned draft #4 to RRS with suggested revisions. These were discussed along with Mr. Adamson's accompanying flow chart. Mr. Adamson distributed the resulting draft #5 on 11/17/99 for comment by 11/29/99. It is proposed to forward the final draft to the EC on 11/30/99 for their consideration at the 12/6/99 EC meeting.

## **5. NYSRC RR compliance with NPCC/NERC**

The RRS agreed that the NYSRC RR compliance effort should follow the NPCC/NERC rules format.

Mr. Adamson presented an 11/3/99 draft document entitled, "Implementation Plan for Updating the NYSRC Reliability Rules to Comply with NERC/NYCC Standards" which was discussed at length and was adopted as a working plan. However, the RRS noted that execution of this plan would require considerable resources not presently available to the RRS. Three execution options were discussed:

- < Ad Hoc working group
- < NYSRC staff
- < Consultant

It was noted that a consultant (Mr. Peter Czech) is implementing the NPCC compliance effort. The RRS estimated the price of the compliance effort required for the NYSRC RR, if performed by a consultant, at 100 - 150 K\$. It was agreed to present this issue to the EC at their 12/6/99 meeting for comment.

## **6. NYSRC RR Development**

A discussion of the need for changed or new RR resulted in the following suggestions:

- < Long-term reserve requirements per NY ISO/RC Agreement, Article 4.5
- < ICAP assumptions of generators to be included in the capacity market
- < Impact of N-2 generator outages on reserve requirements
- < Impact of GT remote quick-start capability on reserve requirements
- < Impact of local RR on local and state-wide reserve requirements
- < Reactive power/voltage criteria

Mr. O'Neal agreed to prepare a white paper on GTs and their impact on reserve requirements. Mr. Clayton agreed to prepare a list of proposals for changed or new RR from all sources.

## **7. Openness Policy**

Draft #1 was discussed and revisions incorporated into draft #2 distributed by Mr. Adamson on 11/16/99 (draft #2 dated 11/23/99). This will be presented to the EC at their 12/6/99 meeting for comment.

#### **8. NYSRC RRS 2000 budget**

It was estimated that the RR conformance effort would require 100 - 150 K\$ and study effort (NYS Transmission Reliability, development of changed or new rules, etc.) would require 100 K\$, for a total budget of 200 - 250 K\$.

#### **Next Meeting**

CONED Control Center, NYC. 10:00 am. Friday, December 17, 1999.

Final Minutes Submitted to RRS by R. Clayton (Secretary) on December 20, 1999.