Meeting Minutes
Reliability Metrics Working Group

March 24, 2010 2:00 to 4:00PM EDT
Conference Call

Convene
Chair Herbert Schrayshuen, Director Reliability Assessment of SERC convened Reliability Metrics Working Group, RMWG meeting.

Members present in addition to the Chair were Bill Adams: Vice Chair, Scott Benner, Gary Brownfield Gary Bullock, Heide Caswell, Donald Davies, David McRee, James Eckert, Laura Elsenpeter, Eddy Lim, John Johnson, Jeff Mitchell, Ed Pfeiffer, Jerry Rust, Jeffrey Schaller, John Simpson, Howard Tarler, Joel Wise, and Kurt Weisman, also present on the call was Mark Lauby, Jessica Bian, and Rhaiza Villafranca from NERC.

1. Update on the OC/PC meeting
Chair addressed the comments received from the OC and the PC committees for the RMWG Annual Report. The specific feedback received from PC is attached in the agenda and to be distributed to each team according to functions as listed under the action items.

2. NERC Antitrust Compliance Guidelines
Rhaiza Villafranca NERC staff directed participants’ attention to the NERC Antitrust Compliance Guidelines included in the agenda.

3) Meeting Minutes – RMWG approved the February 17 – 18th meeting minutes.

4) Annual Report Comments
William Adams Vice Chair went over the comments received from the PC and OC. NERC staff is to provide a summary of comments per team.

6) Liaison Report Updates
Reliability Coordinator Working Group (RCWG)
Joel Wise, SERC TVA member, expressed the RCWG’s need to collaborate on their future plans to establish metrics.
Reliability Fundamentals Working Group (RFWG)
Jerry Rust, mentioned RFWG’s “Reliability Concepts Document” recently published and undergoing review. The concepts may be applicable to RMWG’s process. A follow up assessment of the document will take place when the document becomes final.

Reliability Assessment Subcommittee (RAS)
Chair will represent RMWG in the upcoming meeting of RAS to request for feedback on the ALR6-1 metric. A meeting is scheduled to outline the efforts of RMWG to further develop data collection for this metric.

7. Metrics Updates

7.1 Team 1
Team 1 discussed two metrics which are under data pilot. First, ALR1-1 Generator Reactive Limit; the team presented various ways to achieve data that is representative of the sample available among regions. Second, ALR1-5 System Voltage Performance; the team members gave examples of number of different ranges of busses. The challenge is to get a uniform range to achieve a midpoint for all regions. The team collaborated on the breakdown and the member responsible to provide data. The team will look further to collect data above 345 kV. The team breakdown on which bus information to provide is elaborated under the action items.

7.2 Team 2
Team 2 reviewed what was discussed on the team meeting on combining the metrics for Frequency of Load Interruptions and Unsupplied Energy. The team will collaborate with TADSWG, Transmission Availability Data System Working Group in their upcoming meeting to avoid duplication and collect feedback and lessons learned from TADSWG.

7.3 Team 3
Team 3 has accepted a final form of the metric “Frequency of Delivery Interruptions” from Jeff Schaller, who developed the metric from its preliminary format. The team voted to seek endorsement from the TADSWG on the metric.

Action Items for the next meeting:

<table>
<thead>
<tr>
<th>Action Items</th>
<th>Assigned To</th>
<th>Due by Target Date</th>
<th>Action Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 2010 Annual Report comments received a total of five comments to be distributed to the three grouped teams.</td>
<td>All</td>
<td>To be scheduled before the next meeting on April 21</td>
<td>Review, Respond and Publish to the website</td>
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<tr>
<td>2 ALR1-1 Generator Reactive Limit. Collaborate with Transmission Issue Subcommittee (TIS)</td>
<td>Team 1</td>
<td>Team 1 meeting to be scheduled on</td>
<td>Schedule, Review and Report back</td>
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<tr>
<td></td>
<td>Metric Description</td>
<td>Team 1</td>
<td>Team 2</td>
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<td>3</td>
<td>ALR1-5 System Voltage Performance. Metric contains specific bus load to all regional entities and interconnections with outmost three lines: The task is to find commonality among regions with responsibility given to the following members: Scott Benner – PJM Donald Davies – West Interconnect Chad Thompson – ERCOT Guarav Karandikar – Eastern Interconnect Quebec – Jessica to follow up on who will be responsible for data TIS collaboration – to be scheduled</td>
<td>Team 1</td>
<td>Team 1 meeting to be scheduled on the 2nd week of April</td>
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<td>4</td>
<td>ALR3-6 Transmission System Unavailability Due to Forced Outages metrics will reach out to TADSWG to collaborate on their process.</td>
<td>Team 2</td>
<td>April 16 and Ongoing collaboration with TADSWG</td>
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<td>5</td>
<td>ALR6-7 Frequency of Delivery Interruptions CEA metrics will align with the TADSWG process. Note: Chair Herbert Schrayshuen will represent the group on the coming meetings with TADSWG.</td>
<td>Team 3</td>
<td>April 16 and Ongoing</td>
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<td>6</td>
<td>ALR6-1 Transmission Constraint Mitigation metric will collaborate with Reliability Assessment Subcommittee (RAS) on the sample pilot generated about how frequent SPS is reported per region.</td>
<td>Team 3</td>
<td>April 7 and 8</td>
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<td>7</td>
<td>Team 4, Risk assessment Approach, schedule conference call and a possible face to face meeting in May.</td>
<td>Team 4</td>
<td>May</td>
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The meeting adjourned at 4:00 P.M. Eastern Time

**Future meeting**
The next face to face meeting is a two day meeting May 18 to 19 in Minneapolis, MN. The details of the meeting were announced and can be access here [Downtown, Minneapolis, MN](#).

Submitted by,

**Rhaiza Villafranca,**

NERC Staff