Meeting Minutes
Reliability Metrics Working Group

September 23, 2010 | 3 p.m. – 4 p.m.

Conference Call

Convene
Chair Bill Adams convened the Reliability Metrics Working Group (RMWG) conference call on September 23, 2010.

Meeting Agenda
The meeting agenda is found in Appendix A.

Members present in addition to the Chair were Scott Benner, Gary Brownfield, Donald Davies, David Durham, James Eckert, Laura Elsenpeter, Nicholas Ingman, David Mcree, Jeff Mitchell, John Johnson, Ed Pfeiffer, and Howard Tarler. Also present from NERC were Jessica Bian, and Rhaiza Villafranca.

NERC Antitrust Compliance Guidelines
Rhaiza Villafranca, NERC staff, directed the participants’ attention to the NERC Antitrust Compliance Guidelines, included as a part of agenda package.

Meeting Minutes and Action Items
Meeting Minutes and Action Items are still in a draft version and to be distributed.

Report on the OC/PC meetings
1. Approved 8 of 9 recommended metrics – Chair requested a conference call with TADSWG chair, Michael Pakeltis to further discuss the ALR6-16 which was not approved by PC.
2. Approved the Integrated Bulk Power Risk Assessment Concepts Whitepaper
3. Feedback given on high level BPS performance assessment – PC feedback is due by September 30. OC requested ORS and RS to review the 17 metrics and create a tier focusing on the most significant indicators to BPS reliability.
Webinar
Jerry Rust, Vice Chair led the first RMWG webinar, which attracted 164 participants. The webinar presentation was followed by Q/As alternated between the RMWG chair, vice chair and team leaders. The successful turnout was realized that it was decided to conduct the webinar event on annual basis to update stakeholders on RMWG’s activities.

Coordination with RCWG/ORS
Joel Wise suggested ALR1-5 pilot run to use the data collected by Situation Awareness for FERC, NERC and the Regional Entities using (SAFNR) version 1. Joel is expecting comments from RCWG by October 15, and also seeking input from RCWG/ORS on OC’s request to focus on the most significant metrics important to the BPS reliability.

Data Request
ALR3-5 Mandatory Reliability Metric Data Request notice was sent out on September 10 to authorize the issue of mandatory data collection which started from October 31, 2010 for data completed on the 3rd quarter ending September. The subsequent quarter submissions will follow similar deadline, e.g., January 31, 2011 for the 4th quarter 2010 and so on.

Coordination with SPCS and ERO-RAPA
Jeff Mitchell provided update on the coordination with SPCS and ERO-RAPA group to review ALR4-1 and explore ways to establish common misop definition and reporting template.

Risk Assessment Approach
The Integrated Bulk Power System Risk Assessment Concepts Whitepaper was approved by the OC/PC. Team 4 is meeting face to face in Denver, Colorado at the WECC RC’s Loveland Office for refinement of the concepts and planning for the next steps.

Adjourn
Without any other further business the meeting adjourned at 4:00 P.M.

Future meeting
The next conference call is scheduled for October 20, 2010 at 2 – 3 PM.

Submitted by,
Rhaiza Villafranca,
NERC STAFF
Agenda

1. Roll Call – Rhaiza V.
2. NERC’s Antitrust Guidelines – Rhaiza V.

3. Chair’s Remarks – Bill A.
   - Report on September 14-15 OC/PC meetings
     - 8 Metrics – Approved by OC/PC
     - ALR6-16 – Not approved by PC
     - Integrated Risk Assessment Concepts whitepaper – Approved by OC/PC
     - Feedback item - Need to provide high level BPS performance assessment and OC’s request

4. Reliability Metrics Webinar – Jerry R.

5. Coordination with RCWG/ORS – Joel W.
   - OC’s request
   - ALR1-5 System Voltage Performance (Critical bus selection and criteria)
   - Status on ALR3-5 IROL/SOL Exceedance Data Request
   - Next Step

6. Coordination with SPCS and ERO-RAPA Group – Jeff M.
   - ALR4-1 Percent of Automatic Transmission Outages caused by Protection System Misoperations
   - Common PRC Misop definition and Reporting
   - Next step

7. Risk Assessment Approach – Heide C.
   - Continued refinement
   - Team 4 Face-to-face meeting on Oct 5

8. RMWG October Conference Call – Wednesday, October 20, 2010, 2:00 pm – 3:00 ET

9. RMWG face-to-face meeting – November 3-4, 2010, Salt Lake City, Utah
   - Register ASAP
   - Special meal request?
## RMWG Action Items on September 23

<table>
<thead>
<tr>
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<th>RMWG Action Items on September 23</th>
<th>Assigned To</th>
<th>Due by Target Date</th>
<th>Action Status</th>
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<tbody>
<tr>
<td>1.</td>
<td>Two new proposed metrics:</td>
<td><strong>Team 3</strong></td>
<td><strong>First to mid October</strong></td>
<td><strong>Team 3 meeting was held- John Simpson and Jeff Schaller will draft responses By Oct. 22</strong></td>
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<td></td>
<td>a) Restoration Metric from Michael Pakeltis, TADSWG Chair; &amp; b) Reclosing Metric from Jeff Mitchell/ Reliability First.</td>
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<td>2.</td>
<td>A follow-up discussion on the OC/PC comments relating to ALR6-16. Arrange a meeting with TADSWG’s Chair and MRO.</td>
<td><strong>RMWG Chair, Vice Chair, NERC Staff, MRO &amp; TADSWG</strong></td>
<td><strong>October</strong></td>
<td><strong>Discussed with TADSWG Chair and updated the metric template; Still need to follow up with MRO</strong></td>
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<td>3.</td>
<td>Refine the components added for consideration by the OC/PC on: a) Outage Duration &amp; b) Equipment Damage</td>
<td><strong>Team 4</strong></td>
<td><strong>October 5</strong></td>
<td><strong>Completed. Team 4 met on Oct 5, 2010 and considered these two additional severity elements.</strong></td>
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