

AESO Reliability Committee (ARC) Operations Work Group Reliability Standards Review Meeting

**Next Meeting
April 19, 2010
9:00am – 3:00pm at the AESO Office**

Chair: Doug Hincks

Alternate Chair: Neil Curtis

Outcomes from the OWG Meeting on February 1, 2010

1. The project schedule for the review of standards assigned to the OWG was reviewed with the OWG members.
2. The OWG members assessed the applicability and general content of the following standards. AESO to draft the Alberta reliability standards based on the comments received from the OWG members.
 - COM-001-1.1 – Telecommunications
http://www.nerc.com/files/COM-001-1_1.pdf
 - COM-002-2 – Communications and Coordination
<http://www.nerc.com/files/COM-002-2.pdf>
 - FAC-010-2 – System Operating Limits Methodology for the Planning Horizon
http://www.nerc.com/files/FAC-010_2.pdf
 - FAC-011-2 – System Operating Limits Methodology for the Operations Horizon
http://www.nerc.com/files/FAC-011_2.pdf
 - FAC-012-1 – Transfer Capability Methodology
<http://www.nerc.com/files/FAC-012-1.pdf>
 - FAC-013-1 – Establish and Communicate Transfer Capabilities
<http://www.nerc.com/files/FAC-013-1.pdf>
 - FAC-014-2 – Establish and Communicate System Operating Limits
<http://www.nerc.com/files/FAC-014-2.pdf>
 - IRO-004-2 – Reliability Coordination — Operations Planning
<http://www.nerc.com/files/IRO-004-2.pdf>
 - IRO-005-3 – Reliability Coordination — Current Day Operations
<http://www.nerc.com/files/IRO-005-3.pdf>

- IRO-006-4.1 – Reliability Coordination — Transmission Loading Relief
<http://www.nerc.com/files/IRO-006-4.1.pdf>
- BAL-005-0.1b – Automatic Generation Control
http://www.nerc.com/files/BAL-005-0_1b.pdf
- PER-003-0 – Operating Personnel Credentials
<http://www.nerc.com/files/PER-003-0.pdf>
- PER-005-1 – System Personnel Training
<http://www.nerc.com/files/PER-005-1.pdf>
- PRC-007-0 – Assuring Consistency with Regional UFLS Program Requirements
<http://www.nerc.com/files/PRC-007-0.pdf>
- PRC-008-0 – Underfrequency Load Shedding Equipment Maintenance Programs
<http://www.nerc.com/files/PRC-008-0.pdf>

Schedule for upcoming OWG meetings

Meeting Date	Location
April 19, 2010 9:00am-3:00pm	AESO Office
June 7, 2010 9:00am – 3:00pm	AESO Office

Proposed Agenda for the OWG Meeting on April 19, 2010

1. Review outcomes from the previous meeting.
2. OWG reliability standards development update.
3. RAS classifications and applicability to reliability standards.
4. Address comments received from the organizations of the OWG members on the recommendation to reject the following reliability standards¹ for application in Alberta. Determine if this recommendation will be made to the ARC.
 - MOD-011-0 – Telecommunications (OWG)
<http://www.nerc.com/files/MOD-011-0.pdf>
 - MOD-028-1 – Area Interchange Methodology (OWG)
<http://www.nerc.com/files/MOD-028-1.pdf>
 - MOD-030-1 – Flowgate Methodology (OWG)
<http://www.nerc.com/files/MOD-030-1.pdf>

¹ Please refer to the emails that were sent to the OWG members on March 10, 2010 and March 19, 2010.

- IRO-004-2 – Reliability Coordination – Operations Planning (OWG)
<http://www.nerc.com/files/IRO-004-2.pdf>
 - IRO-006-4.1 – Reliability Coordination – Transmission Loading Relief (OWG)
<http://www.nerc.com/files/IRO-006-4.1.pdf>
 - PER-002-AB-0 – Operating Personnel Training (OWG)
<http://www.nerc.com/files/PER-002-0.pdf>
5. Address comments received and proposed consequential revisions to the following Alberta reliability standards². Assess if the reliability standards identified are ready to be recommended to the ARC. The links provided below are to the corresponding NERC reliability standards.
- MOD-010&012-AB-0 – Steady-State and Dynamic Data for Transmission System Modeling and Simulation (OWG)
<http://www.nerc.com/files/MOD-010-0.pdf>
<http://www.nerc.com/files/MOD-012-0.pdf>
 - PRC-007-AB-0 – Assuring Consistency with Regional UFLS Program Requirements (OWG and TWG)
<http://www.nerc.com/files/PRC-007-0.pdf>
 - PRC-008-AB-0 – Underfrequency Load Shedding Equipment Maintenance Programs (OWG and TWG)
<http://www.nerc.com/files/PRC-008-0.pdf>
 - MOD-024-AB-0 – Verification of Generator Gross and Net Real Power Capability (OWG)
<http://www.nerc.com/files/MOD-024-1.pdf>
 - MOD-025-AB-0 – Verification of Generator Gross and Net Reactive Power Capability (OWG)
<http://www.nerc.com/files/MOD-025-1.pdf>
 - PER-003-AB-0 – Operating Personnel Credentials (OWG)
<http://www.nerc.com/files/PER-003-0.pdf>
 - PER-005-AB-1 – System Personnel Training (OWG)
<http://www.nerc.com/files/PER-005-1.pdf>
 - COM-001-AB-1.1 – Telecommunications (OWG)
http://www.nerc.com/files/COM-001-1_1.pdf
 - COM-002-AB-2 – Communications and Coordination (OWG)
<http://www.nerc.com/files/COM-002-2.pdf>
 - IRO-005-AB-3 – Reliability Coordination — Current Day Operations (OWG)
<http://www.nerc.com/files/IRO-005-3.pdf>

² To see the proposed Alberta reliability standards, please refer to the email sent to the OWG and TWG members on March 19, 2010 and to the email sent to the OWG members March 24, 2010.

Proposed Items for the June 7, 2010 OWG Meeting

The AESO is currently preparing the preliminary drafts of the following reliability standards. When the drafts have been prepared, the AESO will send them for review within the organizations of the OWG members and also of the TPWG members as indicated below. We will then consider these standards for recommendation to the ARC at the OWG meeting on June 7, 2010.

- FAC-010-2 – System Operating Limits Methodology for the Planning Horizon (OWG and TPWG)
http://www.nerc.com/files/FAC-010_2.pdf
- FAC-011-2 System Operating Limits Methodology for the Operations Horizon (OWG)
http://www.nerc.com/files/FAC-011_2.pdf
- FAC-012-1 – Transfer Capability Methodology (OWG)
<http://www.nerc.com/files/FAC-012-1.pdf>
- FAC-013-1 – Establish and Communicate Transfer Capabilities (OWG and TPWG)
<http://www.nerc.com/files/FAC-013-1.pdf>
- FAC-014-2 – Establish and Communicate System Operating Limits (OWG)
<http://www.nerc.com/files/FAC-014-2.pdf>
- BAL-005-0.1b – Automatic Generation Control (OWG)
http://www.nerc.com/files/BAL-005-0_1b.pdf
- MOD-001-AB-1 – Documentation of Total Transfer Capability and Available Transfer Capability Calculation Methodologies (OWG)
<http://www.nerc.com/files/MOD-001-0.pdf>
- MOD-029-AB-1 – System Rated Path Methodology (OWG)
<http://www.nerc.com/files/MOD-029-1.pdf>

Please bring paper copies of the standards to be reviewed to the meetings.

If you are planning on attending the next Operations Work Group meeting and you did not receive an electronic meeting invitation, then please RSVP to allison.mathews@aeso.ca at your earliest convenience.