

AESO Reliability Committee (ARC) Operations Work Group Meetings

Chair: Jerry Mossing
Alternate Chair: Doug Hincks

The ARC Operations Work Group (OWG) is reviewing the NERC/WECC reliability standards to assess applicability of the standard requirements within Alberta and Alberta entity responsibilities for the standards assigned to the ARC Operations Work Group. Follow this link and refer to Appendix A in the draft of the [ARC Working Group Terms of Reference](#) for a list of reliability standards assigned to the OWG that include reliability standards from the following categories:

- Interconnection Reliability Operations and Coordination (IRO),
- Transmission Operations (TOP)
- Facilities Design, Connections, and Maintenance (FAC)
- Modeling, Data and Analysis (MOD)
- Emergency Preparedness and Operations (EOP)
- Protection and Control (PRC)
- Personnel Performance, Training and Qualifications (PER)
- Communications (COM)
- Voltage and Reactive (VAR)

The following are the outcomes from the OWG meeting on September 12, 2008:

- The OWG previously reviewed TOP-008-1 Response to Transmission Limit Violations and identified some action items that need to be addressed. The AESO reviewed the assessments with the OWG and agreed that the AESO is to draft the requirements and measures for TOP-008-AB-1 and then send it for review within the organizations of the OWG members.
- The OWG assessed the applicability and general content of the following standards. The AESO will draft the wording for the Alberta reliability standards based on these US reliability standards and review it with the OWG.
 - PER -001-0 Operating Personnel Responsibility and Authority¹
<http://www.nerc.com/files/PER-001-0.pdf>
 - PER-002-0 Operating Personnel Training²
<http://www.nerc.com/files/PER-002-0.pdf>

¹ PER-001-0 will not be reviewed at this time as NERC is to retire this standard as part of project 2007-03.

² PER-002-0 will not be reviewed at this time as NERC is to replace this standard with PER-005-1.

- EOP-001-0 Emergency Operations Planning
<http://www.nerc.com/files/EOP-001-0.pdf>
- EOP-003-1 Load Shedding Plans
<http://www.nerc.com/files/EOP-003-1.pdf>
- EOP-004-1 Disturbance Reporting
<http://www.nerc.com/files/EOP-004-1.pdf>
- The OWG assessed that EOP-002-2 Capacity and Energy Emergencies
<http://www.nerc.com/files/EOP-002-2.pdf> to be applicable only to the ISO. The AESO will draft the wording for the Alberta reliability standard and provide it to the OWG for review.
- PRC-007-0 UFLS Programs was given a cursory review by the OWG. The AESO Operations Planning and Analysis group will be requested to prepare a draft of the Alberta standard. Note, this reliability standard is approved by FERC, but is currently under review by NERC.

The following is the schedule for upcoming ARC OWG meetings:

Meeting Date	Location
Friday, November 14, 2008 (9:00 am to 3:00 pm)	AESO Office
Monday, December 8, 2008 (9:00 am to 3:00 pm)	AESO Office

The following is the proposed agenda for the meeting on November 14:

1. Review outcomes from the previous meeting.
2. Review the proposed OWG project plan for 2008-2009.
3. Review status of TOP-008-1 Response to Transmission Limit Violations and address any outstanding issues if required. Note: TOP-008-1 is approved by FERC, but is currently under review by NERC.
4. Review drafts of Alberta reliability standards, as prepared by the AESO, based on the following US reliability standards:
 - EOP-001-0 Emergency Operations Planning
<http://www.nerc.com/files/EOP-001-0.pdf>
 - EOP-002-2 Capacity and Energy Emergencies³
<http://www.nerc.com/files/EOP-002-2.pdf>
 - EOP-003-1 Load Shedding Plans
<http://www.nerc.com/files/EOP-003-1.pdf>
 - EOP-004-1 Disturbance Reporting
<http://www.nerc.com/files/EOP-004-1.pdf>

³ Applicable only to the ISO.

5. As time permits and in accordance with the project plan, assess the following reliability standards for application in Alberta:

- FAC-013-1 Establish and Communicate Transfer Capabilities⁴
<http://www.nerc.com/files/FAC-013-1.pdf>
- PRC-009-0 Analysis and Documentation of Underfrequency Load Shedding
<http://www.nerc.com/files/PRC-009-0.pdf>
- PRC-010-0 Technical Assessment of the Design and Effectiveness of Undervoltage Load Shedding Program
<http://www.nerc.com/files/PRC-010-0.pdf>
- PRC-015-0 Special Protection System Data and Documentation
<http://www.nerc.com/files/PRC-015-0.pdf>
- PRC-016-0 Special Protection System Misoperations
<http://www.nerc.com/files/PRC-016-0.pdf>
- PRC-021-1 Under-Voltage Load Shedding Program Data
<http://www.nerc.com/files/PRC-021-1.pdf>
- PRC-022-1 Under-Voltage Load Shedding Program Performance
<http://www.nerc.com/files/PRC-022-1.pdf>

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

If you are planning on attending the Operations Work Group meeting on November 14 and you did not receive an electronic meeting invitation, then please RSVP to allison.mathews@aeso.ca by November 7.

⁴ This standard was previously reviewed by the OWG, however rework is required to develop specific requirements and measures. This standard is also to be reviewed by the Transmission Planning Work Group.