

## **AESO Reliability Committee (ARC) Operations Work Group Meeting**

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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 the assigned standards.

The Operations Work Group will review the assigned standards in the following order, however it may be decided to move ahead and review other standards if the group chooses to do so: IRO, TOP, FAC, MOD, EOP, PRC, PER, COM and VAR.

The following are the outcomes from the OWG meetings on March 13 and 14:

- The OWG and the TWG will be submitting their combined assessments and recommendations for PRC-001-1 to the ARC.
- The assessments and recommendations made by the OWG for TOP-003-0, TOP-005-1, TOP-006-1, TOP-008-1, FAC-011-1, IRO-002-1, IRO-003-2, IRO-014-1, IRO-015-1 and IRO-016-1 are ready for review within the organizations of the TWG members.
- Standards reviewed at these meetings, but have outstanding issues remaining include: TOP-001-1, TOP-002-2, TOP-004-2, FAC-012, FAC-013-1 and FAC-014-1.
- The OWG recommends FAC-010-1 be reviewed by Planning and then be provided with these assessments for further review.
- The OWG is waiting for TOP-007-WECC-1 to be approved by the NERC BOT prior to sending assessments on this standard for review within the organizations of the OWG members.

The following is the schedule for upcoming ARC OWG meetings:

Meeting Date	Location
Monday, April 14, 2008 (9:00 am to 4:00pm)	ENMAX Place <sup>1</sup>

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

1. Determine required time for review of standards within the organizations of the OWG members.
2. Determine if the OWG assessments made on the following standards will be recommended to the ARC:
  - TOP-003-0 Planned Outage Coordination
  - TOP-005-1 Operational Reliability Information
  - TOP-006-1 Monitoring System Conditions
  - TOP-008-1 Response to Transmission Limit Violations
  - FAC-011-1 System Operating Limits Methodology for the Operations Horizon (Applies to Reliability Coordinators)
  - IRO-002-1 Reliability Coordination - Facilities (Applies to Reliability Coordinators)
  - IRO-003-2 Reliability Coordinator - Wide-Area View (Applies to Reliability Coordinators)
  - IRO-014-1 Procedures, Processes or Plans to Support Coordination Between Reliability Coordinators (Applies to Reliability Coordinators)
  - IRO-015-1 Notifications and Information Exchange Between Reliability Coordinators (Applies to Reliability Coordinators)
  - IRO-016-1 Coordination of Real-time Activities Between Reliability Coordinators (Applies to Reliability Coordinators)
3. Re-assess standards where outstanding issues have been addressed. Currently standards with outstanding issues include TOP-001-1, TOP-002-2, TOP-004-2, TOP-007-0, FAC-012, FAC-013-1, FAC-014-1, IRO-001-1, IRO-004-1, IRO-005-2 and IRO-006-4.
4. Assess for applicability and Alberta entity responsibilities the following reliability standards as time permits:
  - MOD-010-0 Steady-State Data for Modeling and Simulation of the Interconnected Transmission System  
[ftp://www.nerc.com/pub/sys/all\\_updl/standards/rs/MOD-010-0.pdf](ftp://www.nerc.com/pub/sys/all_updl/standards/rs/MOD-010-0.pdf)
  - MOD-011-0 Maintenance and Distribution of Steady-State Data Requirements and Reporting Procedures  
[ftp://www.nerc.com/pub/sys/all\\_updl/standards/rs/MOD-011-0.pdf](ftp://www.nerc.com/pub/sys/all_updl/standards/rs/MOD-011-0.pdf)

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<sup>1</sup> Parking is available across from the main entrance in the Visitor stalls. Attendees are to register at the reception at ENMAX Place and will be escorted to the meeting Room.

- MOD-012-0 Dynamics Data for Modeling and Simulation of the Interconnected Transmission System  
[ftp://www.nerc.com/pub/sys/all\\_updl/standards/rs/MOD-012-0.pdf](ftp://www.nerc.com/pub/sys/all_updl/standards/rs/MOD-012-0.pdf)
- MOD-013-1 Maintenance and Distribution of Dynamics Data Requirements and Reporting Procedures  
[ftp://www.nerc.com/pub/sys/all\\_updl/standards/rs/MOD-013-1.pdf](ftp://www.nerc.com/pub/sys/all_updl/standards/rs/MOD-013-1.pdf)
- MOD-014-0 Development of Steady-State System Models  
[ftp://www.nerc.com/pub/sys/all\\_updl/standards/rs/MOD-014-0.pdf](ftp://www.nerc.com/pub/sys/all_updl/standards/rs/MOD-014-0.pdf)
- MOD-015-0 Development of Dynamics System Models  
[ftp://www.nerc.com/pub/sys/all\\_updl/standards/rs/MOD-015-0.pdf](ftp://www.nerc.com/pub/sys/all_updl/standards/rs/MOD-015-0.pdf)
- MOD-016-1 Documentation of Data Reporting Requirements for Actual and Forecast Demands, Net Energy for Load, and Controllable Demand-Side Management  
[ftp://www.nerc.com/pub/sys/all\\_updl/standards/rs/MOD-016-1.pdf](ftp://www.nerc.com/pub/sys/all_updl/standards/rs/MOD-016-1.pdf)
- MOD-017-0 Aggregated Actual and Forecast Demands and Net Energy for Load  
[ftp://www.nerc.com/pub/sys/all\\_updl/standards/rs/MOD-017-0.pdf](ftp://www.nerc.com/pub/sys/all_updl/standards/rs/MOD-017-0.pdf)
- MOD-018-0 Treatment of Nonmember Demand Data and How Uncertainties are Addressed in the Forecasts of Demand and Net Energy for Load  
[ftp://www.nerc.com/pub/sys/all\\_updl/standards/rs/MOD-018-0.pdf](ftp://www.nerc.com/pub/sys/all_updl/standards/rs/MOD-018-0.pdf)
- MOD-019-0 Reporting of Interruptible Demands and Direct Control Load Management  
[ftp://www.nerc.com/pub/sys/all\\_updl/standards/rs/MOD-019-0.pdf](ftp://www.nerc.com/pub/sys/all_updl/standards/rs/MOD-019-0.pdf)
- MOD-020-0 Providing Interruptible Demands and Direct Control Load Management Data to System Operators and Reliability Coordinators  
[ftp://www.nerc.com/pub/sys/all\\_updl/standards/rs/MOD-020-0.pdf](ftp://www.nerc.com/pub/sys/all_updl/standards/rs/MOD-020-0.pdf)
- MOD-021-0 Documentation of the Accounting Methodology for the Effects of Controllable Demand-Side Management in Demand and Energy Forecasts.  
[ftp://www.nerc.com/pub/sys/all\\_updl/standards/rs/MOD-021-0.pdf](ftp://www.nerc.com/pub/sys/all_updl/standards/rs/MOD-021-0.pdf)
- MOD-024-1 Verification of Generator Gross and Net Real Power Capability  
[ftp://www.nerc.com/pub/sys/all\\_updl/standards/rs/MOD-024-1.pdf](ftp://www.nerc.com/pub/sys/all_updl/standards/rs/MOD-024-1.pdf)
- MOD-025-1 Verification of Generator Gross and Net Reactive Power Capability  
[ftp://www.nerc.com/pub/sys/all\\_updl/standards/rs/MOD-025-1.pdf](ftp://www.nerc.com/pub/sys/all_updl/standards/rs/MOD-025-1.pdf)

- PRC-004-WECC-1 (Draft) Protection System and Remedial Action Scheme Misoperation – Review assessments made by the TWG.  
[http://www.wecc.biz/documents/library/Standards/2007/PRC-004/PRC-004-WECC-1\\_3-10-08.pdf](http://www.wecc.biz/documents/library/Standards/2007/PRC-004/PRC-004-WECC-1_3-10-08.pdf) (Status: submitted to WECC Board for approval)

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

If you are planning on attending a work group meeting and you did not receive an electronic meeting invitation, then please RSVP to [allison.mathews@aeso.ca](mailto:allison.mathews@aeso.ca) by one week prior to the scheduled meeting date.