

AESO Reliability Committee (ARC) Technical Work Group Meetings

Chair: Dan Shield

Alternate Chair: Fred Ritter

The ARC Technical Work Group (TWG) 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 TWG. Follow this link and refer to Appendix B in the draft of the [ARC Working Group Terms of Reference](#) for a list of reliability standards assigned to the TWG that include reliability standards from the following categories:

- Facilities Design, Connections, and Maintenance (FAC)
- Modeling, Data and Analysis (MOD)
- Protection and Control (PRC)

The following are the outcomes from the TWG meeting on September 11, 2008:

- The TWG reviewed FAC-003-AB-1 Vegetation Management Program that was sent for stakeholder consultation in the ISO Rules process. A few recommendations for revisions that were submitted during consultation were addressed at the meeting. The measures in this standard will also be revised by the AESO to add clarity.
- The AESO will address the implementation of FAC-003-AB-1 including the development of a method for outage reporting, templates for a transmission vegetation management program and work plans.
- The following action items were captured:
 - AESO to confirm if TFO includes merchant transmission lines.
 - AESO to determine if both “generator facility owner” and “generator operator” can be identified entities in the Alberta Reliability Framework when the defined term for “owner” includes “operator”, as defined in the EUA.
 - AESO to send mapping of functions between Alberta Reliability Framework and NERC Functional Model and the new assessment/conversion template to the TWG members.
- Internal discussion at the AESO is required to address how to move forward with assessments on FAC-001-0 Facility Connection Requirements and FAC-002-0 Coordination of Plans for New Facilities. FAC-002-0 is being assessed by both the TWG and the Transmission Planning Work Group.

- The TWG reviewed PRC-STD-005-1 Transmission Maintenance up to Requirement b(i) or MR1.1 as reflected in the draft Alberta reliability standard. PRC-STD-005-1 is a WECC reliability standard and will be replaced by FAC-501-WECC-1 Transmission Maintenance when it is approved by FERC.

The following is the schedule for upcoming ARC TWG meetings:

Meeting Date	Location
Tuesday, December 9, 2008 (9:00 am to 3:00 pm)	AESO Office

The following is the proposed agenda for the TWG meeting on December 9, 2008:

1. Review outcomes from the last TWG meeting.
2. Review the TWG project plan.
3. Review requirements and measures proposed by the AESO for “FAC-001-0 Facility Connection Requirements”.
4. “FAC-002 Coordination of Plans for New Facilities” was previously reviewed by the TWG, but it needs to be re-assessed to assign specific measures and requirements. This standard also contains requirements pertaining to Transmission Planning. The AESO will prepare a draft of the ARS and the TWG will review this work and discuss how the review of this standard will be coordinated with the TPWG. Follow this link to the reliability standard on the WECC website: <http://www.nerc.com/files/FAC-002-0.pdf>
5. Determine direction with review of “PRC-STD-005-1 Transmission Maintenance”. The TWG reviewed this standard up to Requirement b(i) or MR1.1 as reflected in the draft Alberta reliability standard. Note: PRC-STD-005-1 is a WECC reliability standard and will be replaced by FAC-501-WECC-1 Transmission Maintenance when it is approved by FERC. Follow this link to the reliability standard on the WECC website: <http://www.wecc.biz/documents/library/Standards/PRC-STD-005-1.pdf>

“DRAFT PRC-004-WECC-1 Protection System and Remedial Action Scheme Misoperation” was previously reviewed by the TWG, however the TWG needs to assign effective requirements and measures for this standard in accordance with the measures guidelines. This work however is on hold until this standard is approved by the WECC and the NERC Board of Trustees. When the TWG assessment of this standard is complete it will be sent to the Operations Work Group for their assessment as this standard contains requirements that are relevant to operations.¹

¹ Status of DRAFT PRC-004-WECC-1: Second draft standard was posted for industry comments on NOV 29/07 <http://www.wecc.biz/documents/library/Standards/2007/PRC-004-WECC-1%2011-29-07.pdf>

FAC-008-2 will be reviewed when it is approved by the NERC Board of Trustees. The following standards will no longer be reviewed as they are planned to be replaced by FAC-008-2:

- **FAC-008-1 Facility Ratings Methodology**
(Status: Project 2006-09, 2nd draft of FAC-008-2 posting for comment closed 2007-08-17)
<http://www.nerc.com/files/FAC-008-1.pdf>
- **FAC-009 Establish and Communicate Facility Ratings**
(Status: FAC-009-1 to be retired when FAC-008-2 goes into effect)
<http://www.nerc.com/files/FAC-009-1.pdf>

The following standard will no longer be reviewed as it is planned to be replaced by PRC-004-WECC-1:

- **PRC-STD-001 Certification of Protective Relay Applications and Settings**
(Status: WECC OC assigned the Relay Working Group to prepare a permanent replacement standard - WECC-0022. This has subsequently replaced by PRC-004-WECC-1)
<http://www.wecc.biz/documents/library/Standards/PRC-STD-001-1.pdf>

PRC-018-1 Disturbance Monitoring Equipment Installation and Data Reporting is interdependent with PRC-002-1 and the resulting WECC standard. Further assessments on PRC-018-1 are on hold until PRC-002-1 and the resulting WECC standard have been reviewed by the TWG.

If you are planning on attending the next work group meeting and you did not receive an electronic meeting invitation, then please RSVP to betty.dang@aeso.ca by one week before the meeting.