



# AESO Reliability Standards Monthly Report

May 2010

## Comments/Questions

For comments or questions about the reliability standards

or

To submit comments on NERC or WECC reliability standards for AESO consideration contact:

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## Related Links

- [NERC Standards Development](#)
- [WECC Standards Development](#)
- [AESO Reliability Standards Monthly Reports](#)
- [AESO Reliability Committee](#)
- [Alberta Reliability Standards](#)

## In This Issue

The Reliability Standards Monthly Report provides an overview of the AESO's activities related to NERC and WECC standards, business practices and criterion that are posted for review, comment or balloting.

The AESO consults with internal subject matter experts, members of the [AESO Reliability Committee \(ARC\)](#) working groups and the Standards Review Committee (SRC) of the ISO/RTO Council (IRC) when responding to NERC and WECC on the standards.

The report also includes a summary of ARC and its work group activities associated with reliability standards.

## NERC Standards

Standard	Name/Description	Status	Due Date
<a href="#">PRC-004-1</a> <a href="#">PRC-005-1</a>	Analysis & Mitigation of Transmission/Generation Protection System Misoperations; Transmission & Generation Protection System Maintenance & Testing	Ballot Period Ended	2010-05-10
<a href="#">TPL Standards</a>	System Performance	Comment Period	2010-05-26
<a href="#">CIP-002 through 009-2</a>	Cyber Security	Ballot Period Ended	2010-06-01
<a href="#">CIP-010-1 &amp; 011-1</a>	Cyber Security	Comment Period Ended	2010-06-04
<a href="#">EOP-008-1</a>	Backup Facilities	Pre-Ballot Review	2010-06-21
<a href="#">IRO-006-5</a> <a href="#">IRO-006-EAST-1</a>	Transmission Loading Relief	Pre-Ballot Review	2010-06-21

## WECC Standards and Related Postings

Standard or Criterion	Name/Description	Status	Due Date
<a href="#">WECC-0046</a> <a href="#">VAR-001-</a> <a href="#">WECC-1</a>	Voltage and Reactive Control	Comment Period	2010-06-07
<a href="#">WECC-0056</a> <a href="#">INT-BPS-007-1</a>	Real Time Processing of Late Electronic Tags	Comment Period	2010-06-10
<a href="#">WECC-0053</a> <a href="#">INT-BPS-001-3</a>	Tagging Regional Criteria	Comment Period	2010-06-25
<a href="#">WECC-0066</a> <a href="#">COM-002-</a> <a href="#">WECC-CRT-1</a>	Digital Circuits Synchronization	Comment Period	2010-06-29
<a href="#">WECC-0058</a> <a href="#">Definition</a>	Bulk Electric System	Comment Period	2010-07-12

## Alberta Reliability Standards Under Development

Standard	Name/ Description	Status	Due Date
BAL-002-AB-0	Disturbance Control Performance	Internal Review	Ongoing
BAL-002-WECC-AB-1	Contingency Reserves	FERC Issue	TBD
BAL-004-1	Time Error Correction	Internal Review	Ongoing
BAL-004-WECC-AB-1	Automatic Time Error Correction	Internal Review	Ongoing
EOP-001-AB-1	Emergency Operations Planning	AUC Filing Pending	Q2
EOP-005-AB-2	System Restoration from Blackstart Resources	Stakeholder Consultation Pending	Q2
EOP-008-AB-0	Plans for Loss of Control Center Functionality	Stakeholder Consultation Pending	Q2
IRO-001-AB-1	Reliability Coordination Responsibilities and Authorities	Stakeholder Consultation Pending	Q2
MOD-008-0 N/A	Transmission Reliability Margin	Stakeholder Consultation Pending	Q2
PRC-005-AB-1	Transmission and Generation Protection System Maintenance and Testing	AUC Filing Pending	Q2

N/A means Not Applicable in Alberta

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Standard	Name/Description	Status	Due Date
PRC-011-AB-0	System Maintenance and Testing	Stakeholder Consultation Pending	Q2
PRC-015-AB-0	Special Protection System Data and Documentation	Stakeholder Consultation Pending	Q2
PRC-016-AB-0	Special Protection System Misoperations	AUC Filing Pending	Q2
PRC-017-AB-0	Special Protection System Maintenance and Testing	Stakeholder Consultation Pending	Q2
PRC-018-AB-1	Disturbance Monitoring Equipment Installation and Data Reporting	Stakeholder Consultation Pending	Q2
PRC-023-AB-1	Transmission Relay Loadability	Stakeholder Consultation Pending	Q2
VAR-001-AB-1a	Voltage and Reactive Control	Stakeholder Consultation Pending	Q2
VAR-002-AB-1.1b	Generator Operation for Maintaining Network Voltages	Stakeholder Consultation Pending	Q2
VAR-002-WECC-AB-1	Automatic Voltage Regulators	Stakeholder Consultation Pending	Q2
VAR-501-WECC-AB-1	Power System Stabilizer	Stakeholder Consultation Pending	Q2
COM-001-AB-1	Telecommunications	Stakeholder Consultation Pending	Q2
COM-002-AB-2	Communications and Coordination	Stakeholder Consultation Pending	Q2

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## Alberta Reliability Standards Under Development

Standard	Name/ Description	Status	Due Date
IRO-004-AB-2 N/A	Reliability Coordination Operations Planning	Stakeholder Consultation Pending	Q2
IRO-005-AB-3	Reliability Coordination Current Day Operations	Stakeholder Consultation Pending	Q2
IRO-006-AB-4.1	Reliability Coordination Transmission Loading Relief	Internal Review	Ongoing
MOD-010-AB-0	Steady-State Data for Transmission System Modeling and Simulation	Stakeholder Consultation Pending	Q2
MOD-011-0 N/A	Regional Steady-State Data Requirements and Reporting Procedures	Stakeholder Consultation Pending	Q2
MOD-012-AB-0	Dynamics Data for Transmission System Modeling and Simulation	Stakeholder Consultation Pending	Q2
MOD-028-1 N/A	Area Interchange Methodology	Stakeholder Consultation Pending	Q2
MOD-030-1 N/A	Flowgate Methodology	Stakeholder Consultation Pending	Q2
PER-002-AB-0	Operating Personnel Training	Stakeholder Consultation Pending	Q2
PER-003-AB-0	Operating Personnel Credentials	Stakeholder Consultation Pending	Q2
PER-005-AB-1	System Personnel Training	Stakeholder Consultation Pending	Q2

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## Alberta Reliability Standards Under Development

Standard	Name/ Description	Status	Due Date
PRC-007-AB-0	Assuring Consistency with Regional UFLS Program Requirements	Stakeholder Consultation Pending	Q2
PRC-008-AB-0	Underfrequency Load Shedding Equipment Maintenance Programs	Stakeholder Consultation Pending	Q2
BAL-005-AB-0.1b	Automatic Generation Control	Work Group Review	2010-06-07
FAC-010-AB-2	System Operating Limits Methodology for the Planning Horizon	Work Group Review	2010-06-07
FAC-011-AB-2 N/A	System Operating Limits Methodology for the Operations Horizon	Work Group Review	2010-06-07
FAC-014-AB-2	Establish and Communicate System Operating Limits	Work Group Review	2010-06-07
MOD-001-AB-1	Available Transmission System Capability	Work Group Review	2010-06-07
MOD-024-AB-1	Verification of Generator Gross and Net Real Power Capability	Work Group Review	2010-06-07
MOD-025-AB-1	Verification of Generator Gross and Net Reactive Power Capability	Work Group Review	2010-06-07
MOD-029-AB-1	Rated System Path Methodology	Work Group Review	2010-06-07
FAC-012-AB-1	Transfer Capability Methodology	NERC Review	Defer
FAC-013-AB-1	Establish and Communicate Transfer Capabilities	NERC Review	Defer

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## Alberta Reliability Standards Under Development

Standard	Name/ Description	Status	Due Date
CIP-002-AB-2	Cyber Security Critical Cyber Asset Identification	Work Group Review	2010-06-22
CIP-003-AB-2	Cyber Security Management Controls	Work Group Review	2010-06-22
CIP-004-AB-2	Cyber Security Personnel and Training	Work Group Review	2010-06-22
CIP-005-AB-2	Cyber Security Electronic Security Perimeter(s)	Work Group Review	2010-06-22
CIP-006-AB-2	Physical Security of Critical Cyber Assets	Work Group Review	2010-06-22
CIP-007-AB-2	Cyber Security – Systems Security Management	Work Group Review	2010-06-22
CIP-TFE-AB	Technical Feasibility Exemption	Work Group Review	2010-06-22

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## Reliability Committee and Work Group Highlights

**Alberta Reliability Committee (ARC)** – The ARC met on May 14, 2010. Thirteen standards were approved to proceed towards stakeholder consultation, three standards were approved to be filed with the AUC and five standards were recommended as not applicable in Alberta. The next meeting is scheduled for June 28, 2010. [More...](#)

**Operations Work Group** – The OWG met on April 19, 2010. The group reviewed 6 standards to be assessed as not applicable in Alberta and reviewed comments submitted and the resulting proposed revisions on 10 standards. The next WG meeting will be held on June 7, 2010. [More...](#)

**Technical Work Group** – The TWG met on November 4. The group reviewed the PRC standards scheduled for the May 2010 cycle. Future meetings will be scheduled as required. [More...](#)

**Transmission Planning Work Group** – Four Alberta TPL Standards have been approved by the AUC. [More...](#)

**Security Work Group** – The SWG met on May 19. Status updates were given on the development of the ARS versions of CIP-002, 003, 004 and 005. The group reviewed the current drafts of CIP-006 & 007 and the proposed Technical Feasibility Exemption Standard. The next meeting is scheduled for June 22. [More...](#)

**Compliance Work Group** – The implementation phase work of the CWG is complete. Additional meetings of the CWG will be scheduled as required. [More...](#)

**Standards Review Committee (SRC) of ISO/RTO Council** - The SRC holds biweekly teleconferences and quarterly meetings to discuss and review the current NERC standards posted for review and to draft group responses to them. The next quarterly meeting will be hosted by the AESO on July 20 and 21, 2010.