

## Comments/Questions

For comments or questions about the reliability standards or

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

### Mark Thompson

External Reliability Standards Coordinator

T: 403-539-2625

E: [mark.thompson@aeso.ca](mailto:mark.thompson@aeso.ca)

## 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="#">TPL-001-1</a>	Transmission System Planning Performance Requirements	Ballot Period Ended	2010-03-01
<a href="#">EOP-008-1</a>	Backup Facilities	Comment Period Ended	2010-03-08
<a href="#">FAC-008-2</a>	Facility Ratings Methodology	Ballot Period Ended	2010-03-08
<a href="#">Multiple Standards</a>	Transmission Requirements at the Generation Interface	Comment Period Ended	2010-03-15
<a href="#">TOP-001-1</a>	Reliability Responsibilities and Authorities	Ballot Period Ended	2010-03-16
<a href="#">VAR-001-1a</a> <a href="#">VAR-002-1</a>	Voltage and Reactive Control & Generator Operation for Maintaining Network Voltage Schedules	Comment Period Ended	2010-03-26
<a href="#">EOP-003-1</a>	Load Shedding Plans	Re-Ballot Period Ended	2010-03-31
<a href="#">FAC-003-2</a>	Vegetation Management	Comment Period Ended	2010-03-31
<a href="#">TOP-006-2</a>	Monitoring System Conditions	Pre-Ballot Review	2010-04-05

## Comments/Questions

For comments or questions about the reliability standards or

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

### Mark Thompson

External Reliability Standards Coordinator

T: 403-539-2625

E: [mark.thompson@aeso.ca](mailto:mark.thompson@aeso.ca)

## NERC Standards

Standard	Name/Description	Status	Due Date
<a href="#">TOP-003-1</a>	Planned Outage Coordination	Pre-Ballot Review	2010-04-05
<a href="#">TOP-002-2a</a>	Normal Operations Planning	Pre-Ballot Review	2010-04-05
<a href="#">EOP-001-1</a>	Emergency Operations Planning	Pre-Ballot Review	2010-04-05
<a href="#">CIP-004-2</a>	Cyber Security — Personnel & Training	Ballot period	2010-04-08
<a href="#">EOP-001-0</a>	Emergency Operations Planning	Pre-Ballot Review	2010-04-15
<a href="#">CIP-001-1 &amp; EOP-004-1</a>	Sabotage and Disturbance Reporting	Comment Period	2010-04-16
<a href="#">EOP-005-1</a>	System Restoration Plans	Pre-Ballot Review	2010-04-21
<a href="#">EOP-001-1</a> <a href="#">EOP-001-2</a>	Emergency Operations Planning	Pre-Ballot Review	2010-04-23
<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	Pre-Ballot Review	2010-04-28
<a href="#">FAC-013-2</a>	Planning Transfer Capability	Comment Period	2010-04-29



# AESO Reliability Standards Monthly Report

March 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:

### Mark Thompson

External Reliability Standards Coordinator

T: 403-539-2625

E: [mark.thompson@aeso.ca](mailto:mark.thompson@aeso.ca)

## WECC Standards and Related Postings

Standard or Criterion	Name/Description	Status	Due Date
<a href="#">WECC-0058 Definition</a>	Bulk Electric System	Comment Period Ended	2010-03-17
<a href="#">WECC-0053 INT-BPS-001-3</a>	Tagging Regional Criteria	Comment Period Ended	2010-03-22
<a href="#">WECC-0054</a>	WECC Interchange Authority Backup	Comment Period Ended	2010-03-29
<a href="#">WECC-0059 PRC-003-WECC-1-CR</a>	Relay Misoperation Criterion	Comment Period Ended	2010-03-29
<a href="#">WECC-0056 INT-BPS-007-1</a>	Real Time Processing of Late Electronic Tags	Comment Period	2010-04-28

## Comments/Questions

For comments or questions about the reliability standards or

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

### Mark Thompson

External Reliability Standards Coordinator

T: 403-539-2625

E: [mark.thompson@aeso.ca](mailto:mark.thompson@aeso.ca)

## 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 N/A	Time Error Correction	ARC Approval to Reject	2010-05-14
BAL-004-WECC-AB-1	Automatic Time Error Correction	ARC Approval pending	2010-05-14
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	ARC Approval to Reject	2010-05-14
PRC-005-AB-1	Transmission and Generation Protection System Maintenance and Testing	AUC Filing Pending	Q2

N/A means Not Applicable in Alberta

## Comments/Questions

For comments or questions about the reliability standards or

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

### Mark Thompson

External Reliability Standards Coordinator

T: 403-539-2625

E: [mark.thompson@aeso.ca](mailto:mark.thompson@aeso.ca)

## Alberta Reliability Standards Under Development

Standard	Name/Description	Status	Due Date
PRC-011-AB-0	System Maintenance and Testing	ARC Approval pending	Q2
PRC-015-AB-0	Special Protection System Data and Documentation	Stakeholder Consultation Pending	Q2
PRC-016-AB-0	Special Protection System Misoperations	Stakeholder Consultation Pending	Q2
PRC-017-AB-0	Special Protection System Maintenance and Testing	ARC Approval 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	Work Group Review	2010-04-19
COM-002-AB-2	Communications and Coordination	Work Group Review	2010-04-19

N/A means Not Applicable in Alberta

## Alberta Reliability Standards Under Development

Standard	Name/ Description	Status	Due Date
IRO-004-AB-2 N/A	Reliability Coordination Operations Planning	WG Approval to Reject	2010-04-19
IRO-005-AB-3	Reliability Coordination Current Day Operations	Work Group Review	2010-04-19
IRO-006-AB-4.1 N/A	Reliability Coordination Transmission Loading Relief	WG Approval to Reject	2010-04-19
MOD-010-AB-0	Steady-State Data for Transmission System Modeling and Simulation	Work Group Review	2010-04-19
MOD-011-0 N/A	Regional Steady-State Data Requirements and Reporting Procedures	WG Approval to Reject	2010-04-19
MOD-012-AB-0	Dynamics Data for Transmission System Modeling and Simulation	Work Group Review	2010-04-19
MOD-024-AB-1	Verification of Generator Gross and Net Real Power Capability	Work Group Review	2010-04-19
MOD-025-AB-1	Verification of Generator Gross and Net Reactive Power Capability	Work Group Review	2010-04-19
MOD-028-1 N/A	Area Interchange Methodology	WG Approval to Reject	2010-04-19
MOD-030-1 N/A	Flowgate Methodology	WG Approval to Reject	2010-04-19
PER-002-AB-0	Operating Personnel Training	WG Approval to Reject	2010-04-19

N/A means Not Applicable in Alberta

## Alberta Reliability Standards Under Development

Standard	Name/ Description	Status	Due Date
PER-003-AB-0	Operating Personnel Credentials	Work Group Review	2010-04-19
PER-005-AB-1	System Personnel Training	Work Group Review	2010-04-19
PRC-007-AB-0	Assuring Consistency with Regional UFLS Program Requirements	Work Group Review	2010-04-19
PRC-008-AB-0	Underfrequency Load Shedding Equipment Maintenance Programs	Work Group Review	2010-04-19
BAL-005-AB-0.1b	Automatic Generation Control	Work Group Review	2010-06-07
MOD-001-AB-1	Available Transmission System Capability	Work Group Review	2010-06-07
MOD-029-AB-1	Rated System Path Methodology	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	System Operating Limits Methodology for the Operations Horizon	Work Group Review	2010-06-07
FAC-012-AB-1	Transfer Capability Methodology	Work Group Review	2010-06-07
FAC-013-AB-1	Establish and Communicate Transfer Capabilities	Work Group Review	2010-06-07
FAC-014-AB-2	Establish and Communicate System Operating Limits	Work Group Review	2010-06-07

N/A means Not Applicable in Alberta

## Alberta Reliability Standards Under Development

Standard	Name/ Description	Status	Due Date
CIP-002-AB-2	Cyber Security Critical Cyber Asset Identification	Work Group Review	2010-03-22
CIP-003-AB-2	Cyber Security Management Controls	Work Group Review	2010-03-22
CIP-004-AB-2	Cyber Security Personnel and Training	Work Group Review	2010-03-22
CIP-005-AB-2	Cyber Security Electronic Security Perimeter(s)	Work Group Review	2010-03-22
CIP-006-AB-2	Physical Security of Critical Cyber Assets	Work Group Review	2010-03-22
CIP-007-AB-2	Cyber Security – Systems Security Management	Work Group Review	2010-03-22
CIP-TFE-AB	Technical Feasibility Exemption	Work Group Review	2010-03-22

N/A means Not Applicable in Alberta

## Reliability Committee and Work Group Highlights

**Alberta Reliability Committee (ARC)** – An ARC meeting was held November 16 2009. The ARC reviewed 14 reliability standards that are currently being prepared for submission to the AUC. Peter Wong made a presentation on compliance to address concerns on the role of the audit team and RSAW development. The next ARC meeting is scheduled for May 14, 2010. [More...](#)

**Operations Work Group** – The OWG met on February 1, 2010. The group completed the initial WG review of 16 standards targeted for the Q4 2010 cycle. The next WG meeting will be held on April 19, 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 March 22. The group continued review of CIP-002, 003, 004, 005 and 006. The group started their review of CIP-007 and the proposed Technical Feasibility Exemption Standard. The next meeting is scheduled for April 15. [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, hosted by NYISO, is on April 19 and 20, 2010.