

## Comments/Questions

For comments or questions about the reliability standards or

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

### Anita Lee, P. Eng

Manager, Operating Policies & Procedures

T: 403-539-2497

E: [anita.lee@aeso.ca](mailto:anita.lee@aeso.ca)

### 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="#">PRC-024-1</a>                              | Generator Frequency and Voltage Protective Relay Settings                                 | Comment Period Ended              | 2009-04-02 |
| <a href="#">MOD-026-1</a>                              | Area Interchange Methodology  | Comment Period Ended              | 2009-04-02 |
| <a href="#">IRO-006-5</a>                              | Transmission Loading Relief   | Comment Period Ended              | 2009-04-06 |
| <a href="#">EOP-008-1</a>                              | Backup Facilities   | Comment Period Ended              | 2009-04-15 |
| <a href="#">PRC-005-1</a>                              | Transmission and Generation Protection System Maintenance and Testing                     | Ballot Period Ended               | 2009-04-17 |
| <a href="#">CIP-002-2 to 009-2 VSLs</a>                | Cyber Security VSL  | Comment Period Ended              | 2009-04-20 |
| <a href="#">EOP-005-2</a><br><a href="#">EOP-006-2</a> | System Restoration and Black Start  | Ballot Period Ended               | 2009-04-23 |
| <a href="#">TOP-005-1</a><br><a href="#">IRO-005-1</a> | Operational Reliability Information and Reliability Coordination – Current-Day Operations | Recirculation Ballot Period Ended | 2009-04-27 |

## Comments/Questions

For comments or questions about the reliability standards

or

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

### Anita Lee, P. Eng

Manager, Operating Policies & Procedures

T: 403-539-2497

E: [anita.lee@aeso.ca](mailto:anita.lee@aeso.ca)

### 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="#">CIP-002-2 to 009-2</a>        | Cyber Security   | Recirculation Ballot Period Ended | 2009-04-27 |
| <a href="#">IRO-010-1</a>                 | Reliability Coordinator Data Specification and Collection                  | Ballot Period                     | 2009-05-01 |
| <a href="#">TOP-001 to 004</a>            | Real-Time Operations   | Comment Period                    | 2009-05-07 |
| <a href="#">EOP-001 to 009</a>            | EOP VSLs   | Comment Period                    | 2009-05-08 |
| <a href="#">PRC-006-1</a>                 | Underfrequency Load Shedding   | Comment Period                    | 2009-05-21 |
| <a href="#">CIP-001-1 &amp; EOP-004-1</a> | Sabotage and Disturbance Reporting   | Comment Period                    | 2009-05-21 |
| <a href="#">MOD-001-1 &amp; MOD-029-1</a> | Available Transmission System Capability and Rated System Path Methodology | Pre-Ballot Review                 | 2009-05-25 |

## WECC Standards and Criterion

| Standard                         | Name/Description                       | Status               | Due Date   |
|----------------------------------|--|----------------------|------------|
| <a href="#">BAL-012-WECC-FRR</a> | Frequency Responsive Reserve Criterion | Comment Period Ended | 2009-04-13 |

## Alberta Reliability Standards

### Comments/Questions

For comments or questions about the reliability standards or

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

#### Anita Lee, P. Eng

Manager, Operating Policies & Procedures

T: 403-539-2497

E: [anita.lee@aeso.ca](mailto:anita.lee@aeso.ca)

#### Mark Thompson

External Reliability Standards Coordinator

T: 403-539-2625

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

| Standard       | Name/Description   | Status         | Due Date   |
|----------------|--|----------------|------------|
| EOP-003-1      | Load Shedding Plans                                      | Filed with AUC | 2009-05-07 |
| EOP-004-1      | Disturbance Reporting                                    | Filed with AUC | 2009-05-07 |
| BAL-002-0      | Disturbance Control Performance                          | Comment Period | 2009-05-29 |
| BAL-002-WECC-1 | Contingency Reserve                                      | Comment Period | 2009-05-29 |
| INT-001-3      | Interchange Information                                  | Comment Period | 2009-05-29 |
| INT-004-2      | Dynamic Interchange Transaction Modifications            | Comment Period | 2009-05-29 |
| INT-005-3      | Interchange Authority Distributes Arranged Interchange   | Comment Period | 2009-05-29 |
| INT-006-2      | Response to Interchange Authority                        | Comment Period | 2009-05-29 |
| INT-007-1      | Interchange Confirmation                                 | Comment Period | 2009-05-29 |
| INT-008-3      | Interchange Authority Distributes Status                 | Comment Period | 2009-05-29 |
| INT-009-1      | Implementation of Interchange                            | Comment Period | 2009-05-29 |
| INT-010-1      | Interchange Coordination Exemptions                      | Comment Period | 2009-05-29 |
| MOD-006-0      | Procedures for the Use of Capacity Benefit Margin Values | Comment Period | 2009-05-29 |
| MOD-007-0      | Documentation of the Use of Capacity Benefit Margin      | Comment Period | 2009-05-29 |

## Alberta Reliability Standards

### Comments/Questions

For comments or questions about the reliability standards or

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

#### Anita Lee, P. Eng

Manager, Operating Policies & Procedures

T: 403-539-2497

E: [anita.lee@aeso.ca](mailto:anita.lee@aeso.ca)

#### Mark Thompson

External Reliability Standards Coordinator

T: 403-539-2625

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

| Standard  | Name/Description  | Status         | Due Date   |
|-----------|---|----------------|------------|
| MOD-020-0 | Providing Interruptible Demands and Direct Control Load Management Data to System Operators and Reliability Coordinators          | Comment Period | 2009-05-29 |
| MOD-021-0 | Documentation of the Accounting Methodology for the Effects of Controllable Demand-Side Management in Demand and Energy Forecasts | Comment Period | 2009-05-29 |
| PER-004-2 | Reliability Coordination – Staffing   | Comment Period | 2009-05-29 |
| EOP-002-2 | Capacity and Energy Emergencies   | Comment Period | 2009-05-29 |
| EOP-006-1 | Reliability Coordination - System Restoration   | Comment Period | 2009-05-29 |
| EOP-007-0 | Establish, Maintain, and Document a Regional Black Start Capability Plan  | Comment Period | 2009-05-29 |
| MOD-013-1 | Maintenance and Distribution of Dynamics Data Requirements and Reporting Procedures   | Comment Period | 2009-05-29 |
| MOD-014-0 | Development of Steady-State System Models   | Comment Period | 2009-05-29 |
| MOD-015-0 | Development of Dynamics System Models   | Comment Period | 2009-05-29 |
| PRC-003-1 | Regional Procedure for Analysis of Misoperations of Transmission and Generation Protection Systems                                | Comment Period | 2009-05-29 |

## Comments/Questions

For comments or questions about the reliability standards

or

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

### Anita Lee, P. Eng

Manager, Operating Policies & Procedures

T: 403-539-2497

E: [anita.lee@aeso.ca](mailto:anita.lee@aeso.ca)

### Mark Thompson

External Reliability Standards Coordinator

T: 403-539-2625

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

## Alberta Reliability Standards

| Standard  | Name/Description   | Status         | Due Date   |
|-----------|--|----------------|------------|
| PRC-006-0 | Development and Documentation of Regional Reliability Organizations' Underfrequency Load Shedding Programs | Comment Period | 2009-05-29 |
| PRC-009-0 | Analysis and Documentation of Underfrequency Load Shedding   | Comment Period | 2009-05-29 |
| PRC-010-0 | Technical Assessment of the Design and Effectiveness of Under Voltage Load                                 | Comment Period | 2009-05-29 |
| PRC-012-0 | Special Protection System Review Procedure   | Comment Period | 2009-05-29 |
| PRC-013-0 | Special Protection System Database   | Comment Period | 2009-05-29 |
| PRC-014-0 | Special Protection System Assessment   | Comment Period | 2009-05-29 |
| PRC-020-1 | Under Voltage Load Shedding Program Database   | Comment Period | 2009-05-29 |
| PRC-021-1 | Under Voltage Load Shedding Program Data   | Comment Period | 2009-05-29 |
| PRC-022-1 | Under Voltage Load Shedding Program Performance  | Comment Period | 2009-05-29 |
| TPL-001-0 | System Performance Under Normal (No Contingency) Conditions (Category A)                                   | Comment Period | 2009-05-29 |
| TPL-002-0 | System Performance Following Loss of a Single Bulk Electric System Element (Category B)                    | Comment Period | 2009-05-29 |
| TPL-003-0 | System Performance Following Loss of Two or More Bulk Electric System Elements (Category C)                | Comment Period | 2009-05-29 |

## Comments/Questions

For comments or questions about the reliability standards

or

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

### Anita Lee, P. Eng

Manager, Operating Policies & Procedures

T: 403-539-2497

E: [anita.lee@aeso.ca](mailto:anita.lee@aeso.ca)

### Mark Thompson

External Reliability Standards Coordinator

T: 403-539-2625

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

## Alberta Reliability Standards

| Standard       | Name/Description  | Status         | Due Date   |
|----------------|---|----------------|------------|
| TPL-004-0      | System Performance Following Extreme Events Resulting in the Loss of Two or More Bulk Electric System Elements (Category D) | Comment Period | 2009-05-29 |
| TPL-005-0      | Regional and Interregional Self-Assessment Reliability Reports  | Comment Period | 2009-05-29 |
| TPL-006-0      | Data From the Regional Reliability Organization Needed to Assess  | Comment Period | 2009-05-29 |
| FAC-501-WECC-1 | Transmission Maintenance (former PRC std)   | Comment Period | 2009-05-29 |
| PRC-002-1      | Define Regional Disturbance Monitoring and Reporting Requirements   | Comment Period | 2009-05-29 |
| FAC-001-0      | Facility Connection Requirements  | Comment Period | 2009-05-29 |
| FAC-002-0      | Coordination of Plans For New Generation, Transmission, and End-User  | Comment Period | 2009-05-29 |

## Comments/Questions

For comments or questions about the reliability standards or

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

### Anita Lee, P. Eng

Manager, Operating Policies & Procedures

T: 403-539-2497

E: [anita.lee@aeso.ca](mailto:anita.lee@aeso.ca)

### Mark Thompson

External Reliability Standards Coordinator

T: 403-539-2625

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

## Reliability Committee and Work Group Highlights

**Alberta Reliability Committee (ARC)** – An ARC meeting was held March 27th 2009. There were discussions on the 37 reliability standards proposed to be moved into the ISO Rules cycle. No concerns were expressed by ARC members. The AESO will move the standards provided in the agenda into the July ISO Rules cycle.

Of the 37, 3 are applicable to Market Participants and the AESO, 10 are applicable only to the AESO in Alberta and 24 will be recommended to be rejected for application in Alberta as not applicable to an Alberta entity. [More...](#)

**Operations Work Group** – The OWG met on February 18. The group was informed that six standards are ready for organizational review. The work group conducted a preliminary review of five standards that are scheduled to be recommended to ARC in June. [More...](#)

**Technical Work Group** – The TWG met on February 19. Four reliability standards are ready for submission to the ARC. The work group conducted a preliminary review of four PRC standards. [More...](#)

**Transmission Planning Work Group** – The next work group meeting is tentatively scheduled for Q2 2009. [More...](#)

**Security Work Group** – The SWG met on April 16. CIP-001-AB-1 is ready for organizational review. The group continued its review of NERC reliability standard CIP-002 and started the review of CIP-003. [More...](#)

**Compliance Work Group** - A compliance monitoring program for standards has been completed and is being used to develop an implementation plan for 2009. The program was developed with extensive stakeholder consultation at 10 meetings of the workgroup over eight months. The program is well received and supported by the stakeholders.

ISO Rule 12 is approved and enables monitoring of reliability standards as established in the compliance monitoring program. Compliance monitoring will be implemented for each of the standards prior to the effective date of the standard. Standards under approval have effective dates well into 2009, at which time compliance monitoring will be initiated.

The ARC compliance working group has met its original mandate of providing input and advice in establishing the Compliance Monitoring Program and the Implementation Program for Alberta. Bi-monthly meetings will be scheduled with the compliance working group to discuss key issues related to compliance and the implementation of the programs. [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. There was a quarterly meeting in Houston on April 8 and 9.