

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

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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
MOD-001-1 & MOD-029-1	Available Transmission System Capability and Rated System Path Methodology	Ballot Period Ended	2009-06-04
IRO-010-1	Reliability Coordinator Data Specification and Collection	Recirculation Ballot Period Ended	2009-06-05
TPL-002-0a	System Performance Following Loss of a Single Bulk Electric System Element	Ballot Period Ended	2009-11-09
NUC-001-2	Nuclear Plant Interface Coordination	Ballot Period Ended	2009-06-22
CIP-002-2 to 009-2 VSLs	Cyber Security	Ballot Period Ended	2009-06-24
TPL-001-1	Assess Transmission and Future Needs	Comment Period	2009-07-09
New Standard	Real-Time Tools	Comment Period	2009-07-11

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WECC Standards and Related Postings

Standard	Name/Description	Status	Due Date
WECC-0047-0	Pre-Schedule Process Regional Criterion	Comment Period	2009-06-11
WECC-0052	Intra-hour Sale of Unscheduled Transmission for Emergency Purposes	Comment Period	2009-06-26
INT-BPS-001-2	Tagging Protocols	Comment Period	2009-06-29
INT-BPS-007-0	Near-Term Emergencies	Comment Period	2009-06-29
BES	Bulk Electric System Definition	Comment Period	2009-06-29

Alberta Reliability Standards

Standard	Name/Description	Status	Due Date
BAL-002-0	Disturbance Control Performance	ERC Approval Pending	2009-07-28
BAL-002-WECC-1	Contingency Reserve	ERC Approval Pending	2009-07-28
EOP-002-2	Capacity and Energy Emergencies	ERC Approval Pending	2009-07-28
EOP-006-1	Reliability Coordination - System Restoration	ERC Approval Pending	2009-07-28
EOP-007-0	Establish, Maintain, and Document a Regional Black Start Capability Plan	ERC Approval Pending	2009-07-28
BAL-002-0	Disturbance Control Performance	ERC Approval Pending	2009-07-28

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BAL-002-0	Disturbance Control Performance	ERC Approval Pending	2009-07-28
BAL-002-WECC-1	Contingency Reserve	ERC Approval Pending	2009-07-28
EOP-002-2	Capacity and Energy Emergencies	ERC Approval Pending	2009-07-28
EOP-006-1	Reliability Coordination - System Restoration	ERC Approval Pending	2009-07-28
EOP-007-0	Establish, Maintain, and Document a Regional Black Start Capability Plan	ERC Approval Pending	2009-07-28
FAC-001-0	Facility Connection Requirements	ERC Approval Pending	2009-07-28
FAC-002-0	Coordination of Plans For New Generation, Transmission, and End-User	ERC Approval Pending	2009-07-28
FAC-501-WECC-1	Transmission Maintenance (former PRC std)	ERC Approval Pending	2009-07-28
INT-001-3	Interchange Information	ERC Approval Pending	2009-07-28
INT-004-2	Dynamic Interchange Transaction Modifications	ERC Approval Pending	2009-07-28
INT-005-3	Interchange Authority Distributes Arranged Interchange	ERC Approval Pending	2009-07-28
INT-006-2	Response to Interchange Authority	ERC Approval Pending	2009-07-28
INT-007-1	Interchange Confirmation	ERC Approval Pending	2009-07-28

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Standard	Name/Description	Status	Due Date
INT-008-3	Interchange Authority Distributes Status	ERC Approval Pending	2009-07-28
INT-009-1	Implementation of Interchange	ERC Approval Pending	2009-07-28
INT-010-1	Interchange Coordination Exemptions	ERC Approval Pending	2009-07-28
MOD-001-1	Documentation of Total Transfer Capability and Available Transfer Capability Calculation Methodologies	Submit for ARC Review	2009-07-09
MOD-004-0	Documentation of Regional Reliability Organization Capacity Benefit Margin Methodologies	Submit for ARC Review	2009-07-09
MOD-005-0	Procedure for Verifying Capacity Benefit Margin Values	Submit for ARC Review	2009-07-09
MOD-006-0	Procedures for the Use of Capacity Benefit Margin Values	ERC Approval Pending	2009-07-28
MOD-007-0	Documentation of the Use of Capacity Benefit Margin	ERC Approval Pending	2009-07-28
MOD-008-0	Documentation and Content of Each Regional Transmission Reliability Margin Methodology	Submit for ARC Review	2009-07-09
MOD-009-0	Procedure for Verifying Transmission Reliability Margin Values	Submit for ARC Review	2009-07-09
MOD-018-0	Treatment of Nonmember Demand Data and How Uncertainties are Addressed in the Forecasts of Demand and Net Energy for Load	Submit for ARC Review	2009-07-09

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Standard	Name/Description	Status	Due Date
MOD-019-0	Reporting of Interruptible Demands and Direct Control Load Management	Submit for ARC Review	2009-07-09
MOD-020-0	Providing Interruptible Demands and Direct Control Load Management Data to System Operators and Reliability Coordinators	ERC Approval Pending	2009-07-28
MOD-021-0	Documentation of the Accounting Methodology for the Effects of Controllable Demand-Side Management in Demand and Energy Forecasts	ERC Approval Pending	2009-07-28
PER-004-2	Reliability Coordination – Staffing	ERC Approval Pending	2009-07-28
PRC-002-1	Define Regional Disturbance Monitoring and Reporting Requirements	ERC Approval Pending	2009-07-28
PRC-003-1	Regional Procedure for Analysis of Misoperations of Transmission and Generation Protection Systems	ERC Approval Pending	2009-07-28
PRC-006-0	Development and Documentation of Regional Reliability Organizations' Underfrequency Load Shedding Programs	ERC Approval Pending	2009-07-28
PRC-009-0	Analysis and Documentation of Underfrequency Load Shedding	ERC Approval Pending	2009-07-28

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Standard	Name/Description	Status	Due Date
PRC-010-0	Technical Assessment of the Design and Effectiveness of Under Voltage Load	ERC Approval Pending	2009-07-28
PRC-012-0	Special Protection System Review Procedure	ERC Approval Pending	2009-07-28
PRC-013-0	Special Protection System Database	ERC Approval Pending	2009-07-28
PRC-014-0	Special Protection System Assessment	ERC Approval Pending	2009-07-28
PRC-020-1	Under Voltage Load Shedding Program Database	ERC Approval Pending	2009-07-28
PRC-021-1	Under Voltage Load Shedding Program Data	ERC Approval Pending	2009-07-28
PRC-022-1	Under Voltage Load Shedding Program Performance	ERC Approval Pending	2009-07-28
TPL-001-0	System Performance Under Normal (No Contingency) Conditions (Category A)	ERC Approval Pending	2009-07-28
TPL-002-0	System Performance Following Loss of a Single Bulk Electric System Element (Category B)	ERC Approval Pending	2009-07-28
TPL-003-0	System Performance Following Loss of Two or More Bulk Electric System Elements (Category C)	ERC Approval Pending	2009-07-28
TPL-004-0	System Performance Following Extreme Events Resulting in the Loss of Two or More Bulk Electric System Elements (Category D)	ERC Approval Pending	2009-07-28

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Standard	Name/Description	Status	Due Date
TPL-005-0	Regional and Interregional Self-Assessment Reliability Reports	ERC Approval Pending	2009-07-28
TPL-006-0	Data From the Regional Reliability Organization Needed to Assess	ERC Approval Pending	2009-07-28
EOP-001-0	Emergency Operations Planning	Submitted to Rules Cycle	2009-06-12
IRO-006-4	Reliability Coordination – Transmission Loading Relief	Submitted to Rules Cycle	2009-06-12
IRO-006-WECC-1	Qualified Transfer Path Unscheduled Flow Relief	Submitted to Rules Cycle	2009-06-12
NUC-001-1	Nuclear Plant Interface Coordination	Submitted to Rules Cycle	2009-06-12
PRC-015-0	Special Protection System Data and Documentation	Submitted to Rules Cycle	2009-06-12
PRC-016-0	Special Protection System Misoperations	Submitted to Rules Cycle	2009-06-12
TOP-007-WECC-1	System Operating Limits	Submitted to Rules Cycle	2009-06-12
CIP-001-1	Sabotage Reporting	Submitted to Rules Cycle	2009-06-12
PRC-005-1	Transmission and Generation Protection System Maintenance and Testing	Submitted to Rules Cycle	2009-06-12

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Standard	Name/Description	Status	Due Date
PRC-001-1	System Protection Coordination	Submitted to Rules Cycle	2009-06-12
PRC-004-1	Analysis and Mitigation of Transmission and Generation Protection System Misoperations	Submitted to Rules Cycle	2009-06-12
PRC-004-WECC-1	Protection System and Remedial Action Scheme Misoperation	Submitted to Rules Cycle	2009-06-12

Reliability Committee and Work Group Highlights

Alberta Reliability Committee (ARC) – An ARC meeting was held June 12, 2009. There are 9 standards assigned to the AESO internal work group that were not ready to be presented to ARC. These will be either emailed to ARC for review or will be presented at the September ARC meeting. 12 Alberta reliability standards were reviewed and no concerns expressed by ARC members. The AESO will move the standards into the October ISO Rules cycle. [More...](#)

Operations Work Group – The OWG met on June 8. Twelve standards were proposed to be not applicable to any Alberta entity. Ten are ready to go to the ARC for approval. The group began review of 8 standards that will be recommended at the September ARC meeting. These standards will go through the development process during the summer. The next WG meeting will be on September 14. [More...](#)

Technical Work Group – The TWG met on June 9. Four Standards are ready to go to the ARC for approval (2 in conjunction with the OWG). The TWG began their preliminary assessment on 4 PRC standards. The next meeting is scheduled for October. [More...](#)

Transmission Planning Work Group – The next work group meeting is tentatively scheduled for Q3 2009. [More...](#)

Security Work Group – The SWG met on June 9. CIP-001-AB-1 was approved by the WG to go for ARC approval on June 12. CIP-002-AB-1 is being reviewed by AESO Compliance and Legal. The group reviewed CIP-003 and 004 and made recommendations for the Alberta version of the standards. The next meeting is scheduled for July 14. [More...](#)



AESO Reliability Standards Monthly Report

June 2009

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Reliability Committee and Work Group Highlights

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. The next a quarterly meeting is being hosted by ISO New England in early July.