

## 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="#">TPL-001 to 004</a>	Table 1 Order Footnote 'b'	Recirculation Ballot Period Ended	2011-02-05
<a href="#">FAC-003-2</a>	Vegetation Management	Ballot and Comment Period Ended	2011-02-28
<a href="#">PRC-023-2</a>	Transmission Relay Loadability	Recirculation Ballot Period	2011-03-07
<a href="#">COM and IRO</a>	Reliability Coordination	Ballot and Comment Periods	2011-03-07
<a href="#">BAL-003-1</a>	Frequency Response and Frequency Bias Setting	Comment Period	2011-03-07
<a href="#">COM-001-1.1</a>	Real-Time Tools	Comment Period	2011-04-04

## WECC Standards and Criterion

Standard or Criterion	Name/Description	Status	Due Date
<a href="#">WECC-0056</a> <a href="#">INT-BPS-007-1</a>	Real Time Processing of Late Electronic Tags	Comment Period Ended	2011-02-25
<a href="#">WECC-0046</a> <a href="#">VAR-001-</a> <a href="#">WECC-1</a>	Voltage and Reactive Control	Comment Period Ended	2011-02-25
<a href="#">WECC-0070</a> <a href="#">PRC-301-</a> <a href="#">WECC-CRT-1</a>	Governor Droop Setting	Comment Period Ended	2011-02-28
<a href="#">WECC-0064</a>	WIT Checkout Confirmation	Comment Period Ended	2011-02-28
<a href="#">WECC-0059</a> <a href="#">PRC-003-</a> <a href="#">WECC-CRT-1</a>	Analysis of Misoperations of Transmission and Generation Protection Criterion	Comment Period Ended	2011-02-28
<a href="#">WECC-0066</a> <a href="#">COM-002-</a> <a href="#">WECC-CRT-1</a>	Digital Circuits Synchronization	Final Draft for OC Ballot	2011-03-04
<a href="#">WECC-0055</a> <a href="#">PRC-012</a> <a href="#">through 14-</a> <a href="#">WECC-CRT-1</a>	Remedial Action Scheme	Final Draft for OC Ballot	2011-03-04
<a href="#">WECC-0083</a> <a href="#">BAL-002-</a> <a href="#">WECC-1</a>	Contingency Reserves	Comment Period	2011-03-07
<a href="#">WECC-0065</a> <a href="#">PRC-006-</a> <a href="#">WECC-CRT-01</a>	Underfrequency Load Shedding	Comment Period	2011-03-17
<a href="#">WECC-0049</a> <a href="#">EOP-007-0-</a> <a href="#">WECC-CRT-1</a>	Blackstart Unit Testing	Comment Period	2011-03-25

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## Alberta Reliability Standards Under Development

Standard	Name/Description	Status	Due Date
BAL-002-AB-0 (ISO only)	Disturbance Control Performance	Stakeholder Consultation Pending	Apr. 2011
BAL-STD-002-AB-0 (ISO only)	Contingency Reserves	Stakeholder Consultation Pending	Apr. 2011
BAL-004-AB-1 (ISO only)	Time Error Correction	Stakeholder Consultation Pending	Apr. 2011
BAL-004-WECC-AB-1 (ISO only)	Automatic Time Error Correction	Stakeholder Consultation Pending	Apr. 2011
BAL-005-AB-0.1b (ISO only)	Automatic Generation Control	Stakeholder Consultation Pending	Apr. 2011
COM-001-AB-1	Telecommunications	AUC Filing Pending	June 2011
COM-002-AB-2	Communications and Coordination	AUC Filing Pending	June 2011
EOP-001-AB-2	Emergency Operations Planning	Stakeholder Reconsultation Pending	Apr. 2011
EOP-005-AB-2	System Restoration from Blackstart Resources	Stakeholder Consultation Pending	July 2011
EOP-008-AB-0	Plans for Loss of Control Center Functionality	AUC Filing Pending	June 2011
FAC-010-AB-2 (ISO only)	System Operating Limits Methodology for the Planning Horizon	Stakeholder Consultation Pending	Mar. 2011

N/A means Not Applicable in Alberta

## Alberta Reliability Standards Under Development

Standard	Name/ Description	Status	Due Date
FAC-011-2 N/A	System Operating Limits Methodology for the Operations Horizon	Stakeholder Consultation Pending	Mar. 2011
FAC-013-AB-2 (ISO only)	Establish and Communicate Transfer Capabilities	NERC Review	Future project
FAC-014-AB-2 (ISO only)	Establish and Communicate System Operating Limits	Stakeholder Consultation Pending	Mar. 2011
IRO-001-AB-1 (ISO only)	Reliability Coordination Responsibilities and Authorities	AUC Filing Pending	May 2011
IRO-005-AB-3	Reliability Coordination Current Day Operations	AUC Filing Pending	May 2011
IRO-006-AB-4.1	Reliability Coordination Transmission Loading Relief	Internal Review	Future project
MOD-001-AB-1 (ISO only)	Available Transmission System Capability	Stakeholder Consultation Pending	May 2011
MOD-010&012-AB-0	Steady-State and Dynamic Data for Transmission System Modeling and Simulation	AUC Filing Pending	June 2011
MOD-024&025-AB-1	Verification of Generator Real and Reactive Power Capability	AUC Filing Pending	June 2011
MOD-029-AB-1 (ISO only)	Rated System Path Methodology	AUC Filing Pending	May 2011

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	AUC Filing Pending	June 2011
PER-005-AB-1	System Personnel Training	AUC Filing Pending	June 2011
PRC-005-AB-1	Transmission and Generation Protection System Maintenance and Testing	AUC Filing Pending	May 2011
PRC-007-AB-0	Assuring Consistency with Regional UFLS Program Requirements	AUC Filing Pending	May 2011
PRC-008-AB-0	Underfrequency Load Shedding Equipment Maintenance Programs	AUC Filing Pending	May 2011
PRC-011-AB-0	System Maintenance and Testing	AUC Filing Pending	May 2011
PRC-015-AB-0	Special Protection System Data and Documentation	AUC Filing Pending	May 2011
PRC-016-AB-0	Special Protection System Misoperations	AUC Filing Pending	May 2011
PRC-017-AB-0	Special Protection System Maintenance and Testing	AUC Filing Pending	May 2011
PRC-018-AB-1	Disturbance Monitoring Equipment Installation and Data Reporting	AUC Filing Pending	May 2011
PRC-023-AB-1	Transmission Relay Loadability	AUC Filing Pending	May 2011

N/A means Not Applicable in Alberta

## Alberta Reliability Standards Under Development

Standard	Name/ Description	Status	Due Date
VAR-001-AB-1a	Voltage and Reactive Control	Stakeholder Reconsultation	Apr. 2011
VAR-002-AB-1.1b	Generator Operation for Maintaining Network Voltages	Stakeholder Reconsultation	Apr. 2011
VAR-002-WECC-AB-1	Automatic Voltage Regulators	Stakeholder Reconsultation	Apr. 2011
VAR-501-WECC-AB-1	Power System Stabilizer	Stakeholder Reconsultation	Apr. 2011

N/A means Not Applicable in Alberta

## CIP Alberta Reliability Standards Under Development

Standard	Name/ Description	Status	SWG Meeting Date
CIP-002-AB-2	Cyber Security Critical Cyber Asset Identification	AESO Internal Review	2011-03-16
CIP-003-AB-2	Cyber Security Management Controls	AESO Internal Review	2011-03-16
CIP-004-AB-2	Cyber Security Personnel and Training	AESO Internal Review	2011-03-16
CIP-005-AB-2	Cyber Security Electronic Security Perimeter(s)	AESO Internal Review	2011-03-16
CIP-006-AB-2	Physical Security of Critical Cyber Assets	AESO Internal Review	2011-03-16
CIP-007-AB-2	Cyber Security – Systems Security Management	AESO Internal Review	2011-03-16
CIP-008-AB-2	Cyber Security - Incident Reporting and Response Planning	AESO Internal Review	2011-03-16
CIP-009-AB-2	Cyber Security - Recovery Plans for Critical Cyber Assets	AESO Internal Review	2011-03-16

N/A means Not Applicable in Alberta

## Reliability Committee and Work Group Highlights

**AESO Reliability Committee (ARC)** – The ARC met on November 30, 2010. Mike Law reviewed the role of the ARC and the Terms of Reference and gave a commitment to industry on the standards development process. Doug Hincks presented a revised ARS schedule for the group's review. Peter Wong gave a compliance update. The next meeting will occur in Q2, 2011. [More...](#)

**Operations Work Group** – Future meetings will be scheduled as required. [More...](#)

**Technical Work Group** – Future meetings will be scheduled as required. [More...](#)

**Transmission Planning Work Group** – Future meetings will be scheduled as required. [More...](#)

**Security Work Group** – The SWG met on January 19. The implementation process for CIP-002, including the identification of critical assets, was discussed. The next meeting is scheduled for March 16. [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 the Ontario ISO, will be held on April 27 & 28, 2011.



# AESO Reliability Standards Monthly Report

February 2011

## TPL-001 to 004 — Table 1 Order Footnote 'b'

### **Purpose:**

Draft posting of the revised Footnote 'b', included in TPL-001 to 004 for recirculation ballot.

### **Current Standard:**

The Version 0 standards were adopted by NERC Board of Trustees: October 29, 2008 and became effective May 13, 2009.

### **Proposed Standard:**

FERC Order RM06-16-009 requires NERC to clarify TPL-002-0, Table 1 - footnote 'b,' regarding the planned or controlled interruption of electric supply where a single contingency occurs on a transmission system and originally directed NERC to file the revised standards by June 30, 2010. To meet this directive a proposed revision was posted for "Urgent Action" and balloted from May 17-27, 2010. The proposed revision achieved a quorum (84%) and almost enough affirmative votes (64%) to achieve weighted segment approval; however many balloters provided comments indicating the need for additional modifications. Following the initial ballot, FERC extended the due date to March 31, 2011; thus the project is no longer considered "Urgent Action."

The drafting team developed a second draft of the proposed revision to TPL Table 1 footnote 'b' that reflects consideration of the comments received from industry on the initial ballot and the inputs received from the Technical Conference held on August 10, 2010. The second draft allows interruption of demand without numerical constraints where the application is subject to review and acceptance in an open and transparent stakeholder process. The revised draft is now posted for comment and ballot.

Because Table 1 appears in TPL-001, TPL-002, TPL-003, and TPL-004, the change is reflected in all four standards.

### **Applicability:**

Planning Authority, Transmission Planner

### **Current Status:**

The revised footnote in the 4 TPL standards was posted for recirculation ballot until February 5, 2011. The standards were approved by the ballot body. The AESO cast an abstain ballot as there are differences between the NERC standards and the ARS versions.

### **NERC Link:**

[TPL-001 to 004](#)

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# AESO Reliability Standards Monthly Report

February 2011

## FAC-003-2 – Vegetation Management

### **Purpose:**

Draft 5 Standard, posted for comment and ballot.

### **Current Standard:**

FAC-003-1 was approved by the NERC Board of Trustees on February 7, 2006.

### **Proposed Standard:**

The project is an update to FAC-003-1, which was approved in 2006. The items identified for revision include the incorporation of FERC Order 693 comments related to applicability, procedural repairs to conform to the current standards format and development procedure, technical updates and guidance to address stakeholder suggestions, and the elimination of "fill-in-the-blank" components.

### **Applicability:**

Transmission Owners

### **Current Status:**

The standard was posted for ballot and comment until February 28. The AESO cast an abstain ballot with a comment that Alberta does not plan to follow the NERC requirement to inspect all lines 200kV and above, annually. Such rigorous inspection is not required in Alberta due to slow vegetation growth rates. Inspection cycles must be included in Alberta facility owner's Transmission Vegetation Management Plans.

### **NERC Link:**

[Vegetation Management](#)

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# AESO Reliability Standards Monthly Report

February 2011

## PRC-023-2 - Transmission Relay Loadability

### **Purpose:**

PRC-023-2 posted for a successive ballot.

### **Current Standard:**

On March 18, 2010 FERC issued Order No. 733 which approved Reliability Standard PRC-023-1 – Transmission Relay Loadability, and also directed NERC to develop certain modifications to the PRC-023-1 standard through its Reliability Standards development process.

### **Proposed Standard:**

PRC-023-2 addresses the Phase I directives from Order 733 including a process for use in determining which facilities (transmission lines operated below 200 kV and transformers with low voltage terminals connected below 200 kV) must meet specific relay loadability criteria.

### **Applicability:**

Distribution Providers that own specific facilities, Generator Owners that own specific facilities, Transmission Owners that own specific facilities (see the standard for details) and Planning Coordinators

### **Current Status:**

The standard is posted for a recirculation ballot until March 7, 2011. The AESO voted in favour of the standard in the previous ballot and that vote will carry through to the recirculation ballot.

### **NERC Link:**

[PRC-023-2](#)

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# AESO Reliability Standards Monthly Report

February 2011

## COM-001-2, COM-002-3, IRO-001-2, IRO-001-2 & IRO-014-2 - Reliability Coordination

### **Purpose:**

Draft 4 standards, posted for comment and ballot.

### **Current Standards:**

Most of the requirements in this set of standards were translated from Operating Policies as part of the Version 0 process. There have been suggestions for improving these requirements, and the drafting team will consider comments submitted by stakeholders, drafting teams and FERC in determining what changes should be proposed to stakeholders.

### **Proposed Standards:**

The proposed standards are meant to:

- ensure that the reliability related requirements applicable to the Reliability Coordinator are clear, measurable, unique, and enforceable,
- ensure that this set of requirements is sufficient to maintain reliability of the Bulk Electric System,
- revise the group of standards based on FERC Order 693.

### **Applicability:**

Reliability Coordinator, Balancing Authority, Transmission Service Provider, Transmission Operator, Distribution Provider, Generator Operator, Purchasing Selling Entity and Load Serving Entity

### **Current Status:**

The standards are posted for comment and ballot until March 7, 2011.

### **NERC Link:**

[Reliability Coordination](#)

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# AESO Reliability Standards Monthly Report

February 2011

## BAL-003-1 - Frequency Response and Frequency Bias Setting

### **Purpose:**

Version 1 Standard, posted for comment.

### **Current Standard:**

BAL-003-0 became effective on April 1, 2005. The Alberta Reliability Standard version became effective on February 13, 2009.

### **Proposed Standard:**

Frequency Response, a measure of an Interconnection's ability to stabilize frequency immediately following the sudden loss of generation or load, is a critical component to the reliable operation of the bulk power system, particularly during disturbances and restoration. The proposed standard's intent is to collect data needed to accurately analyze existing Frequency Response, set a minimum Frequency Response obligation, provide a uniform calculation of Frequency Bias Settings that transition to values closer to Frequency Response, and encourage coordinated AGC operation. There is evidence of continuing decline in Frequency Response over the past 10 years, but no confirmed reason for the apparent decline. The proposed standard requires entities to provide data so that Frequency Response in each of the Interconnections can be analyzed, and the reasons for the decline in Frequency Response can be identified. Once Frequency Response has been analyzed and confirmed, requirements can be modified to maintain reliability.

### **Applicability:**

Balancing Authority

### **Current Status:**

The standard is posted for comment until March 7.

### **NERC Link:**

[Frequency Response](#)

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# AESO Reliability Standards Monthly Report

February 2011

## COM-001-1.1 - Real-time Reliability Monitoring and Analysis Capabilities

### **Purpose:**

Draft 3 SAR, posted for comment.

### **Current Standard:**

COM-001-1.1 was approved by the NERC Board of Trustees on October 29, 2008.

### **Proposed Standard:**

The new or revised standard(s) will establish requirements for the functionality, performance, and change management of Real-time capabilities for Reliability Coordinators, Transmission Operators, Generator Operators, and Balancing Authorities for use by their System Operators in support of reliable System operations.

The scope of the SAR is to establish requirements for the monitoring and analysis capabilities provided to System Operators and used to support Real-time System Operations. The SAR addresses availability parameters, performance metrics, and procedures for failure notification, maintenance coordination, and change management. The intent is to describe 'what' needs to be done but not 'how' to do it.

### **Applicability:**

Reliability Coordinator, Balancing Authority, Transmission Operator, Generator Operator

### **Current Status:**

The SAR is posted for comment until April 4.

### **NERC Link:**

[Real-time Reliability](#)

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# AESO Reliability Standards Monthly Report

February 2011

## WECC-0056 INT-BPS-007-1 – Real Time Processing of Late Electronic Tags

### **Purpose:**

Version 5 of the revised criterion.

### **Current Criterion:**

The current Business Practice, now known as Criterion, INT-BPS-007-0 has been in effect since April 27, 2007.

### **Proposed Criterion:**

There are many situations where a Load-Serving Entity (LSE) or Balancing Authority is in a ramp and quickly running out of reserves. They can easily forecast that they will be out of reserves within the next 15 minutes, but cannot exercise and use the emergency designation until they actually run out of reserves. By the time they run out of reserves, and start the process of finding energy, getting an e-tag out and starting the flow of energy, there could easily be many minutes of time that passes where there was a shortage of reserves.

With this proposal, by including forecast emergencies in the definition, an LSE can take quick pre-emptive measures to handle the approaching emergency situation and avert any shortages of reserves.

### **Applicability:**

Balancing Authority, Transmission Service Provider, Purchasing-Selling Entity

### **Current Status:**

The criterion was posted for comment until February 25. The AESO did not submit comments.

### **WECC Link:**

[Real Time Processing of Late Electronic Tags](#)

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# AESO Reliability Standards Monthly Report

February 2011

## **VAR-001-WECC-1 - Voltage and Reactive Control**

### **Purpose:**

Final Draft Standard, posted for comment and OC ballot.

### **Current Standard:**

Applicable WECC entities must follow the NERC standard, VAR-001-2.

### **Proposed Standard:**

The proposed standard, which is now Attachment E in NERC VAR-001-2, will to ensure that voltage levels, reactive flows, and reactive resources are monitored, controlled, and maintained within limits in real time to protect equipment and the reliable operation of the Western Interconnection.

### **Applicability:**

Generator Operators, Transmission Operators

### **Current Status:**

The final draft of VAR-001-WECC-1 was posted for comment until February 25. The standard will be voted on by the WECC OC at the March 3 & 4 meeting.

### **WECC Link:**

[Voltage and Reactive Control](#)

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# AESO Reliability Standards Monthly Report

February 2011

## WECC-0070 Governor Droop Setting Criterion

### **Purpose:**

Draft 2 Criterion, posted for comment.

### **Current Criterion:**

There is a new criterion.

### **Proposed Criterion:**

The objective is to develop a regional criterion as a replacement to current MORC Section 1.C.2. The ORCWG recommends that a criterion be developed to address governor droop settings. The drafting team should develop a governor droop criteria that contain a range for droop settings and/or if appropriate an area (system) droop performance requirement.

### **Applicability:**

Generator Owners

### **Current Status:**

The criterion was posted until February 28. The AESO did not submit comments. The criterion will be voted on by the WECC OC at the March 3 & 4 meeting.

### **WECC Link:**

[Governor Droop Setting](#)

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## WECC-0064 - WIT Checkout Confirmation

**Purpose:**

Draft 3 of the proposed criterion, posted for comment.

**Current Criterion:**

This is a new proposed criterion.

**Proposed Criterion:**

WECC-0064 establishes requirements for the Reliability Assurer to provide an electronic means for Net Scheduled Interchange (NSI) and Net Actual Interchange (NAI) checkout and for Balancing Authorities (BA) to use the electronic checkout as the primary means of documenting completion of checkout for all horizons. It includes some provision for checkout alternatives, pre-checkout requirements, and a requirement for BAs to submit NAI data to the Western Interchange Tool.

**Applicability:**

Balancing Authority, Interchange Authority, Reliability Assurer

**Current Status:**

The criterion was posted for comment until February 28.

**WECC Link:**

[WIT Checkout Confirmation](#)

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# AESO Reliability Standards Monthly Report

February 2011

## WECC-0059

### PRC-003-WECC-CRT-1 - Analysis of Misoperations of Transmission and Generation Protection Criterion

#### **Purpose:**

Draft 5 of the proposed criterion, posted for comment and OC ballot.

#### **Current Criterion:**

There is no current criterion to address this issue.

#### **Proposed Criterion:**

To define and document the Western Electricity Coordinating Council (WECC) procedures required by PRC-003-1 R1 (cross-referenced in PRC-004-1, R1-R3) for analyzing, reporting, and mitigating Misoperations of the Protection Systems and RAS on the Bulk Electric System (BES).

This regional criterion is being developed to meet North American Electric Reliability Corporation (NERC) Reliability Standards PRC-003-1, R1 (Regional Procedure for Analysis of Misoperations of Transmission). Failure to follow the requirements in this regional criterion may lead to penalties or sanctions imposed by NERC for violation of requirements in PRC-004-1, the associated NERC Reliability Standard.

#### **Applicability:**

Distribution Provider that owns a transmission Protection System, Generator Owner, Reliability Assurer (WECC), Transmission Owner

#### **Current Status:**

The criterion was posted for comment until February 28, 2011. The Criterion will be voted on by the WECC OC at the March 3 & 4 meeting.

#### **WECC Link:**

[PRC-003-WECC-CRT-1](#)

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# AESO Reliability Standards Monthly Report

February 2011

## WECC-0066 COM-002-WECC-CRT-1 - Digital Circuits Synchronization

### **Purpose:**

Final Draft of a new criterion, posted for OC ballot.

### **Current Criterion:**

This is a new WECC criterion.

### **Proposed Criterion:**

This criterion is being proposed to inform applicable WECC entities owning or operating digital TDM telecommunication systems of the synchronization requirements needed to interface digital circuits between entities. The goal is to minimize digital circuit timing problems between entities. This document does not cover Ethernet TCP/IP network timing protocol requirements.

### **Applicability:**

Transmission Operator, Transmission Owner

### **Current Status:**

The final draft of criterion was posted for WECC OC ballot at the March 3 & 4 meeting.

### **WECC Link:**

[Digital Circuits Synchronization](#)

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# AESO Reliability Standards Monthly Report

February 2011

## WECC-0055 PRC-012 through 14-WECC-CRT-1- Remedial Action Scheme Criterion

### **Purpose:**

Final Draft Criterion, posted for OC ballot.

### **Current Criterion:**

This is a new criterion.

### **Proposed Criterion:**

The criterion is being developed in order to more efficiently comply with NERC Reliability Standards, specifically PRC-012-0 – Special Protection System Review Procedure, PRC-013-1 – Special Protection System Database, and PRC-014-0 – Special Protection System Assessment.

### **Applicability:**

Reliability Assurer (WECC), Generator Owner, Transmission Owner, Distribution Provider

### **Current Status:**

The final draft of criterion was posted for WECC OC ballot at the March 3 & 4 meeting.

### **WECC Link:**

[RAS](#)

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# AESO Reliability Standards Monthly Report

February 2011

## BAL-002-WECC-1 – Contingency Reserves

### **Purpose:**

Draft 1 of the remanded standard, posted for comment.

### **Current Standard:**

The current standard is BAL-STD-002-1, which was NERC BOT approved in October, 2008.

### **Proposed Standard:**

The standard will ensure Contingency Reserve is available for the reliable operation of the interconnected power system. Adequate generating capacity must be available at all times to maintain scheduled frequency, and avoid loss of firm load following transmission or generation contingencies. This generating capacity is necessary to replace generating capacity and energy lost due to forced outages of generation or transmission equipment.

### **Applicability:**

Balancing Authorities, Reserve Sharing Group

### **Current Status:**

This draft will replace the prior version, which remanded by FERC. Draft 1 of the revised standard is posted for comment until March 7.

### **WECC Link:**

[Contingency Reserves](#)

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# AESO Reliability Standards Monthly Report

February 2011

## WECC-0065 - PRC-006-WECC-CRT-01 - Under Frequency Load Shedding

### **Purpose:**

Version 1 Criterion, posted for comment.

### **Current Criterion:**

This is a new regional criterion

### **Proposed Criterion:**

The proposed criterion is meant to document the WECC Off-Nominal Frequency Load Shedding Plan (Coordinated Plan), and to assure consistent and coordinated requirements for the Coordinated Plan among all WECC applicable entities.

### **Applicability:**

Planning Coordinator, Balancing Authority, UFLS Entities, Transmission Owner, Distribution Provider, Generator Owner, Transmission Operator, Reliability Assurer

### **Current Status:**

The criterion is posted for comment until March 17.

### **WECC Link:**

[UFLS](#)

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## WECC-0049 - EOP-007-0-WECC-CRT-1 - Blackstart Unit Testing

### **Purpose:**

Version 4 Criterion, posted for comment.

### **Current Criterion:**

WECC currently does not have an interconnection-wide procedure based on a common set of criteria.

### **Proposed Criterion:**

To establish: 1) a Blackstart Capability Plan pursuant EOP-007-0, 2) a set of consistent, minimum test requirements for Blackstart Resources, and 3) Reliability Assurer (WECC) compliance with EOP-007-0 addressing establishment, maintenance and documentation of a Regional Blackstart Capability Plan.

### **Applicability:**

Reliability Assurer (WECC), Generator Operator of Blackstart Resource(s), Transmission Operator of Blackstart Resource(s)

### **Current Status:**

The criterion is posted for comment until March 25.

### **WECC Link:**

[Blackstart](#)

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