

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

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
PER-003-1	Certifying System Operators	Ballot Period Ended	2010-12-13
PRC-005-2	Protection System Maintenance	Comment and Ballot Period Ended	2010-12-17
COM-002-2	Communications and Coordination	Comment Period Ended	2010-12-18
CIP-002-4	Critical Cyber Asset Identification	Recirculation Ballot Period Ended	2010-12-30
FAC-013-2	Planning Transfer Capability	Recirculation Ballot Period Ended	2011-01-23
TPL-001 to 004	Table 1 Order Footnote 'b'	Recirculation Ballot Period	2011-02-05
PRC-023-2	Transmission Relay Loadability	Successive Ballot Period	2011-02-13
FAC-003-2	Vegetation Management	Ballot and Comment Periods	2011-02-28
COM and IRO	Reliability Coordination	Ballot and Comment Periods	2011-03-07

WECC Standards and Criterion

Standard or Criterion	Name/Description	Status	Due Date
WECC-0074 MOD-(11 and 13)-WECC- CRT-1	Steady State and Dynamic Data	Comment Period Ended	2011-01-03
WECC-0075 INT-019- WECC-CRT-2	After-the-Fact Tagging Guidelines	Comment Period Ended	2011-01-27
WECC-0056 INT-BPS-007-1	Real Time Processing of Late Electronic Tags	Comment Period	2011-02-25
WECC-0046 VAR-001- WECC-1	Voltage and Reactive Control	Comment Period and OC Ballot	2011-02-25
WECC-0070 PRC-301- WECC-CRT-1	Governor Droop Setting	Comment Period and OC Ballot	2011-02-28
WECC-0064	WIT Checkout Confirmation	Comment Period	2011-02-28
WECC-0066 COM-002- WECC-CRT-1	Digital Circuits Synchronization	Final Draft for OC Ballot	2011-03-04
WECC-0055 PRC-012 through 14- WECC-CRT-1	Remedial Action Scheme	Final Draft for OC Ballot	2011-03-04
WECC-0059 PRC-003- WECC-CRT-1	Analysis of Misoperations of Transmission and Generation Protection Criterion	Comment Period and OC Ballot	2011-02-28
WECC-0083 BAL-002- WECC-1	Contingency Reserves	Comment Period	2011-03-03

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Alberta Reliability Standards Under Development

Standard	Name/Description	Status	Due Date
BAL-002-AB-0	Disturbance Control Performance	Stakeholder Consultation Pending	Mar. 2011
BAL-STD-002-AB-0	Contingency Reserves	Stakeholder Consultation Pending	Mar. 2011
BAL-004-AB-1	Time Error Correction	Stakeholder Consultation Pending	Mar. 2011
BAL-004-WECC-AB-1	Automatic Time Error Correction	Stakeholder Consultation Pending	Mar. 2011
BAL-005-AB-0.1b	Automatic Generation Control	Stakeholder Consultation Pending	Mar. 2011
COM-001-AB-1	Telecommunications	AUC Filing Pending	May 2011
COM-002-AB-2	Communications and Coordination	AUC Filing Pending	May 2011
EOP-001-AB-2	Emergency Operations Planning	Stakeholder Reconsultation Pending	Feb. 2011
EOP-005-AB-2	System Restoration from Blackstart Resources	Stakeholder Consultation Pending	Feb. 2011
EOP-008-AB-0	Plans for Loss of Control Center Functionality	AUC Filing Pending	June 2011
FAC-010-AB-2	System Operating Limits Methodology for the Planning Horizon	Stakeholder Consultation Pending	Feb. 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	Feb. 2011
FAC-013-AB-2	Establish and Communicate Transfer Capabilities	NERC Review	2011 project
FAC-014-AB-2	Establish and Communicate System Operating Limits	Stakeholder Consultation Pending	Feb. 2011
IRO-001-AB-1	Reliability Coordination Responsibilities and Authorities	AUC Filing Pending	May 2011
IRO-005-AB-3	Reliability Coordination Current Day Operations	AUC Filing Pending	Apr. 2011
IRO-006-AB-4.1	Reliability Coordination Transmission Loading Relief	Internal Review	2011 project
MOD-001-AB-1	Available Transmission System Capability	Stakeholder Consultation Pending	Mar. 2011
MOD-010&012-AB-0	Steady-State and Dynamic Data for Transmission System Modeling and Simulation	AUC Filing Pending	Apr. 2011
MOD-024&025-AB-1	Verification of Generator Real and Reactive Power Capability	AUC Filing Pending	June 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	Mar. 2011
PRC-007-AB-0	Assuring Consistency with Regional UFLS Program Requirements	AUC Filing Pending	Mar. 2011
PRC-008-AB-0	Underfrequency Load Shedding Equipment Maintenance Programs	AUC Filing Pending	Mar. 2011
PRC-011-AB-0	System Maintenance and Testing	AUC Filing Pending	Mar. 2011
PRC-015-AB-0	Special Protection System Data and Documentation	AUC Filing Pending	Mar. 2011
PRC-016-AB-0	Special Protection System Misoperations	AUC Filing Pending	Mar. 2011
PRC-017-AB-0	Special Protection System Maintenance and Testing	AUC Filing Pending	Mar. 2011
PRC-018-AB-1	Disturbance Monitoring Equipment Installation and Data Reporting	AUC Filing Pending	Mar. 2011
PRC-023-AB-1	Transmission Relay Loadability	AUC Filing Pending	Mar. 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	Mar. 2011
VAR-002-AB-1.1b	Generator Operation for Maintaining Network Voltages	Stakeholder Reconsultation	Mar. 2011
VAR-002-WECC-AB-1	Automatic Voltage Regulators	Stakeholder Reconsultation	Mar. 2011
VAR-501-WECC-AB-1	Power System Stabilizer	Stakeholder Reconsultation	Mar. 2011

N/A means Not Applicable in Alberta

Alberta CIP Reliability Standards Under 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	2011-02-16
CIP-003-AB-2	Cyber Security Management Controls	AESO Internal Review	2011-02-16
CIP-004-AB-2	Cyber Security Personnel and Training	AESO Internal Review	2011-02-16
CIP-005-AB-2	Cyber Security Electronic Security Perimeter(s)	AESO Internal Review	2011-02-16
CIP-006-AB-2	Physical Security of Critical Cyber Assets	AESO Internal Review	2011-02-16
CIP-007-AB-2	Cyber Security – Systems Security Management	AESO Internal Review	2011-02-16
CIP-008-AB-2	Cyber Security - Incident Reporting and Response Planning	AESO Internal Review	2011-02-16
CIP-009-AB-2	Cyber Security - Recovery Plans for Critical Cyber Assets	AESO Internal Review	2011-02-16

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. [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 February 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 last quarterly meeting, hosted by the California ISO, was held on January 5 and 6, 2011.



AESO Reliability Standards Monthly Report

January 2011

PER-003-1 - Certifying System Operators

Purpose:

Draft 3 of the standard, posted for recirculation ballot.

Current Standard:

This Version 0 Standard requires the Reliability Coordinator, Balancing Authority and Transmission Operator to staff its real-time operating positions with personnel that have a NERC certification credential. The standard will be revised to address the directives from FERC Order 693 and industry comments from Version 0.

Proposed Standard:

The Operating Personnel Credentials standard is designed to ensure that System Operators performing the reliability-related tasks of the Reliability Coordinator, Balancing Authority and Transmission Operator have demonstrated competency through the Certification Process when filling the operating position responsible for control of the Bulk Electric System. This standard will replace standard PER-003-0 once it is approved by the appropriate entities. The focus of this standard has been to provide greater clarity in who exactly needs to be certified and what certificate is needed to operate the Bulk Electric System as a Reliability Coordinator, Balancing Authority or Transmission Operator.

Applicability:

Reliability Coordinator, Balancing Authority, Transmission Operator

Current Status:

The standard was posted for recirculation ballot until December 13. The AESO voted negative with a comment in the initial ballot. NERC did not revise the standard, so the AESO's negative ballot carried through on the recirculation vote. The standard was approved by the NERC ballot body.

NERC Link:

[Certifying System Operators](#)

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PRC-005-2 - Protection System Maintenance

Purpose:

Draft 3 of PRC-005-2, posted for comment and ballot.

Current Standard:

On March 18, 2010 FERC issued Order 733 which approved Reliability Standard PRC-023-1 but also directed NERC to develop certain modifications to the PRC-023-1 standard through its Reliability Standards development process.

Proposed Standard:

The proposed PRC-005-2 – Protection System Maintenance standard addresses FERC directives from FERC Orders 693 and 733, as well as issues identified by stakeholders. In accordance with the FERC directives, this draft standard establishes requirements for a time-based maintenance program, where all relevant devices are maintained according to prescribed maximum intervals. It further establishes requirements for a condition-based maintenance program, where the hands-on maintenance intervals are adjusted to reflect the known and reported condition of the relevant devices. For a performance-based maintenance program, it ascertains where the hands-on maintenance intervals are adjusted to reflect the historical performance of the relevant devices.

Applicability:

Transmission Owners, Generator Owners, Distribution Providers

Current Status:

PRC-005-2 was posted for comment and ballot until December 17. The AESO cast an Abstain ballot. It did not receive enough affirmative votes from the ballot body to pass.

NERC Link:

[Protection System Maintenance and Testing](#)

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COM-002-2 - Communications and Coordination

Purpose:

NERC Interpretation posted for comment

Current Standard and Request for Interpretation:

The Standards Review Committee of the ISO/RTO Council has asked for an interpretation of the term “directive” as used in COM-002-1, R2. The SRC request is:

Please clarify whether routine operating instructions are “directives” or whether “directives” are limited to actual and anticipated emergency operating conditions.

Proposed NERC Interpretation:

COM-002-2 R2 does not specify the conditions under which a directive is issued, nor does it define directive. It only provides the requirements to be followed when a directive is issued during a real-time emergency. Routine operating instructions can be directives. COM-002-2 does not apply to all directives. The purpose statement for COM-002-2 is “To ensure Balancing Authorities, Transmission Operators, and Generator Operators have adequate communications and that these communications capabilities are staffed and available for addressing a real-time emergency condition. To ensure communications by operating personnel are effective.” As such, routine operating instructions during normal operations would not require the communications protocols for repeat backs as specified in R2. This requirement addresses verbal communication, so electronic communication would not fall under COM-002-2 R2.

Note: The AESO Authoritative Document Consolidated Glossary of Definitions contains a definition of “directive”, which can be seen using this link: [Glossary](#).

Applicability:

Reliability Coordinators, Balancing Authorities, Transmission Operators, Generator Operators

Current Status:

The interpretation was posted for comment until December 18. As this is a defined term in Alberta, the AESO did not submit comments on the interpretation.

NERC Link:

[RFI of Directive](#)

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CIP-002-4 - Cyber Security — Critical Cyber Asset Identification

Purpose:

Standard posted for recirculation ballot.

Current Standard:

CIP-002-3 was approved by the NERC BOT on December 19, 2009.

Proposed Standard:

The proposed CIP-002-4 is written to improve on CIP-002-3 by including a specific list of criteria for entities to use in identifying their critical assets.

The previously approved versions of CIP-002 relied on entities to develop their own critical asset identification methodology, and have led to unequal assessments of critical assets between entities in a region, and between regions. This subjectivity has led some external observers to question how assessments were produced, and has contributed to distrust of the entire critical asset identification process. The revised standard provides uniformity to the critical asset identification process for all entities as well as uniformity and predictability to the audit process. As envisioned, each entity will apply the criteria against its assets to determine exactly which side of the "bright-line" they fall. The bright-line thresholds are justified based on overall impact to Bulk Electric System reliability, adding further clarity to the critical asset identification process. The bright-line criteria were developed based on stakeholder comments on CIP-010.

Applicability:

Reliability Coordinator, Balancing Authority, Interchange Authority, Transmission Service Provider, Transmission Operator, Transmission Owner, Generator Operator, Generator Owner, Load-Serving Entity, Regional Entity, NERC

Current Status:

The standard was approved by the ballot body in a recirculation ballot which ended on December 30, 2010. The AESO cast an abstain ballot.

NERC Link:

[Critical Cyber Asset Identification](#)

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FAC-013-2 - Planning Transfer Capability

Purpose:

Draft 3 Standard, posted for comment and ballot.

Current Standard:

FAC-013-1 was NERC BOT approved on February 7, 2006 and became effective October 7, 2006.

Proposed Standard:

In Order 729, FERC ruled that the ATC standards developed in Project 2006-07 did not completely address the topics covered in FAC-012 and -013 and did not fully address the associated directives from Order 693. Accordingly, FERC denied the portions of the implementation plan that would have retired these standards, and instead directed NERC to use the standards development process to make changes to the FAC standards and file those changes with FERC no later than 60 days prior to the effective date of the standards, which is April 1, 2011 (requiring the proposed changes to be filed on or before January 31, 2011).

A second draft of the proposed standard has been developed that attempts to address the applicable FERC directives (listed in the SAR) as well as to address concerns raised by the industry during the first posting.

Applicability:

Planning Coordinator

Current Status:

The standard was posted for recirculation ballot until January 23, 2011. The AESO cast an abstain ballot. The standard was approved by the ballot body.

NERC Link:

[Planning Transfer Capability](#)

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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 is posted for recirculation ballot until February 5, 2011.

NERC Link:

[TPL-001 to 004](#)

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January 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 successive ballot until February 13, 2011.

NERC Link:

[PRC-023-2](#)

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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 is posted for ballot and comment until February 28.

NERC Link:

[Vegetation Management](#)

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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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WECC-0074

MOD-(11 and 13)-WECC-CRT-1 - Steady State and Dynamic Data Criterion

Purpose:

Draft 1 Criterion, posted for comment.

Current Criterion:

There is a new criterion.

Proposed Criterion:

The criterion is being developed to coordinate steady-state and dynamic data requirements and reporting procedures used for modeling and analysis of the steady-state and dynamic behavior of the Western Interconnection. This Regional Criterion was developed pursuant to North American Electric Reliability Corporation (NERC) Reliability Standard MOD-11-0 and MOD-13-1. Violation of this criterion may result in a violation of NERC Reliability Standards MOD-11-0 and/or MOD-13-1 as well as any of the NERC Standards that are incorporated by reference into MOD-11-0 and MOD-13-1. Violation of NERC Reliability Standard may result in financial penalties imposed by NERC.

Applicability:

Reliability Assurer (WECC)

Current Status:

The Criterion was posted for comment until January 3, 2011. The AESO did not submit comments.

WECC Link:

[Steady State and Dynamic Data](#)

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January 2011

WECC-0075 INT-019-WECC-CRT-2- After-the-Fact Tagging Protocol

Purpose:

Draft 1 Guideline or Criterion, posted for comment.

Current Criterion:

There is a new guideline or criterion.

Proposed Criterion:

The guideline or criterion is being developed to establish the criteria for the creation and utilization of After-the-Fact (ATF) e-Tags for scheduled interchange between Balancing Authorities within the WECC excluding Dynamic and Pseudo-Tie transaction type e-Tags and e-Tags for automatic reserve sharing.

Applicability:

Balancing Authorities, Transmission Service Providers, Purchasing and Selling Entities

Current Status:

The criterion was posted for comment until January 27, 2011. The AESO did not submit comments.

WECC Link:

[ATF Tagging](#)

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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 is posted for comments until February 25.

WECC Link:

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

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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 is posted for comment until February 25. The criterion will be voted on by the WECC OC at the March 3 & 4 meeting.

WECC Link:

[Voltage and Reactive Control](#)

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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 is posted until February 28. 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 is posted for comment until February 28.

WECC Link:

[WIT Checkout Confirmation](#)

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

Purpose:

Final Draft Criterion, posted for OC ballot.

Current Criterion:

There 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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January 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 is 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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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 is meant to replace the prior version, which remanded by FERC. Draft 1 of the proposed standard is posted for comment until March 3.

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