

Overview

As the Western Interconnection moves to a multi-Reliability Coordinator (RC) environment, focused coordination of those RCs will become critical. This filing is designed to ensure coordination between each of those RCs by creating a WECC Regional Variance (RV) to NERC Reliability Standard IRO-002-5, Reliability Coordination—Monitoring and Analysis (RCMA).

This filing does not change any part of the underlying standard. Only the proposed RV and the associated compliance components will be offered for comment. Proposed changes to the existing body of the standard will not be considered.

Once finalized, the proposed language will be renumbered per NERC's numbering nomenclature for RVs and inserted into the existing standard. An example of a WECC RV can be seen in VAR-001-4.1—Voltage and Reactive Control Compliance, Section D Regional Variances.

Purpose

To develop a methodology that creates models for performing Operational Planning Analyses and Real-time Assessments.

Applicability

As used in this WECC Regional Variance, Reliability Coordinator is specific to those Reliability Coordinators providing Reliability Coordinator service(s) to entities operating within the Western Interconnection, regardless of where the Reliability Coordinator may be located.

Requirement and Measures

- RX1.** Each Reliability Coordinator shall, in coordination with other Reliability Coordinators, develop a common Interconnection-wide methodology to determine the modeling and monitoring of BES and non-BES Elements that are internal and external to its Reliability Coordinator Area, necessary for providing operational awareness of the impacts on Bulk Electric System Facilities within its Reliability Coordinator Area, including at a minimum: ([Violation Risk Factor: High] [Time Horizon: Operations Planning])
- 1.1.** A method for development, maintenance, and periodic review of a Western Interconnection-wide reference model to serve as the baseline from which Reliability Coordinator's operational models are derived;

- 1.2 The impacts of Inter-area oscillations;
- 1.3 A method to determine Contingencies included in analyses and assessments;
- 1.4 A method to determine Remedial Action Schemes included in analyses and assessments;
- 1.5 A method to determine forecast data included in analyses and assessments; and
- 1.6 A method for the validation and periodic review of the Reliability Coordinator’s operational model for steady state and dynamic/oscillatory system response.

MX1. Each Reliability Coordinator will have evidence that it developed a common Western Interconnection-wide methodology, addressing modeling and monitoring, in coordination with other Reliability Coordinators, that includes the features required in RX1.

RX2. Each Reliability Coordinator shall use the methodology developed in RX1. ([Violation Risk Factor: High] [Time Horizon: Operations Planning])

MX2. Each Reliability Coordinator will have evidence that it uses the methodology developed in RX1, as required in RX2 above.

Compliance

A. Compliance

1.2 Evidence Retention:

- The Reliability Coordinator shall keep data or evidence for Requirements R5, R6, and the WECC Regional Variance, and Measures M5, M6, and the WECC Regional Variance for the current calendar year and one previous calendar year.

R #	Violation Severity Levels for the WECC Regional Variance			
	Lower VSL	Moderate VSL	High VSL	Severe VSL
RX1				The Reliability Coordinator did not develop the methodology as required in RX1.
RX2				The Reliability Coordinator did not implement the methodology as required in RX2.

