

Alberta Reliability Standard

Facilities Design, Connections and Maintenance

FAC-014-AB-2 - *Establish and Communicate System Operating Limits*



1. Purpose

The purpose of this **reliability standard** is to establish and communicate **system operating limits** to be used in the reliable planning and operation of the **bulk electric system**.

2. Applicability

This **reliability standard** applies to:

(a) the **ISO**.

3. Requirements

- R1** The **ISO** must establish **system operating limits** in its operations horizon that are consistent with the **WECC** Reliability Coordinator's **system operating limits** methodology.
- R2** The **ISO** must establish **system operating limits** in its planning horizon, including **interconnection reliability operating limits**, which are consistent with the **system operating limits** methodology of the **ISO**.
- R3** The **ISO** must provide its **system operating limits** and **interconnection reliability operating limits** to all of the following prior to the implementation of the **system operating limits**:
- (a) each adjacent planning authority and each planning authority that indicated it has a **reliability-related** need for the **system operating limits**;
 - (b) the **WECC** Reliability Coordinator; and
 - (c) each adjacent transmission operator and each **transmission operator** that indicated it has a **reliability-related** need for the **system operating limits**.
- R4** The **ISO** must identify and develop a list of the subset of multiple **contingencies**, if any, from **reliability standard** TPL-003-AB which result in stability limits in its planning horizon.
- R4.1** The **ISO** must provide this list, as developed in requirement R4, and the associated stability limits to the **WECC** Reliability Coordinator.
- R4.2** The **ISO** must notify the **WECC** Reliability Coordinator where the **ISO** has not identified any stability-related multiple **contingencies**.

4. Measures

The following measures correspond to the requirements identified in Section 3 of this **reliability standard**. For example, MR1 is the measure for R1.

- MR1** Evidence of establishing the **system operating limits** as required in requirement R1 exists. Evidence may include dated reports or other documentation that confirm the limits are consistent with the **WECC's** methodology.
- MR2** Evidence of establishing **system operating limits** as required in requirement R2 exists. Evidence may include dated reports or other documentation that confirm the limits are consistent with the **ISO's** methodology.

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- MR3** Evidence of providing **system operating limits** and **interconnection reliability operating limits** as required in requirement R3 exists. Evidence may include email or mail to an appropriate recipient that identifies contents submitted.
- MR4** Evidence of identifying and developing a list as required in requirement R4 exists. Evidence may include dated reports, letters, or other documentation containing the list of multiple **contingencies**.
 - MR4.1** Evidence of providing the list and associated stability limits as required in requirement R4.1 exists. Evidence may include email or mail to the appropriate recipient that identifies contents submitted.
 - MR4.2** Evidence of notifying the **WECC** Reliability Coordinator as required in requirement R4.2 exists. Evidence may include email or mail to an appropriate recipient that identifies contents submitted.

5. Appendices

No appendices have been defined for this **reliability standard**.

Revision History

Effective	Description
2012-10-01	Initial Release