

# 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