

#### 1. Purpose

The purpose of this **reliability standard** is to prevent instability, uncontrolled separation, or **cascading** outages that adversely impact the **reliability** of the **interconnection** by ensuring prompt action to prevent or mitigate instances of exceeding **interconnection reliability operating limits**.

#### 2. Applicability

This **reliability standard** applies to:

- (a) the **ISO**.

#### 3. Requirements

**R1** The **ISO** must, for each **interconnection reliability operating limit** that the **ISO** identifies one or more **days** prior to the current **day**, have one or more operating processes, procedures, or plans that identify actions to take, or actions to direct others to take, up to and including load shedding, that:

**R1.1** can be implemented in time to prevent the identified **interconnection reliability operating limit** exceedance; and

**R1.2** mitigate the magnitude and duration of an **interconnection reliability operating limit** exceedance such that the **interconnection reliability operating limit** exceedance is relieved within the **interconnection reliability operating limit Tv**.

**R2** The **ISO** must initiate one or more operating processes, procedures, or plans that are intended to prevent an **interconnection reliability operating limit** exceedance, as identified in the **ISO's** real time monitoring or real time assessment.

**R3** The **ISO** must act or direct others to act so that the magnitude and duration of an **interconnection reliability operating limit** exceedance is mitigated within the **interconnection reliability operating limit Tv**, as identified in the **ISO's** real time monitoring or real time assessment.

**R4** The **ISO** must operate to the most limiting **interconnection reliability operating limit** or **interconnection reliability operating limit Tv** in instances where there is a difference in an **interconnection reliability operating limit** or its **interconnection reliability operating limit Tv** and that of another **reliability coordinator** where both entities are responsible for that facility or group of facilities.

#### 4. Measures

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

**MR1** Evidence of having one or more operating processes, procedures, or plans to address both preventing and mitigating the magnitude and duration of **interconnection reliability operating limit** exceedances as required in requirement R1 exists. Evidence may include a list of any **interconnection reliability operating limit** (and each associated **interconnection reliability operating limit Tv**) identified in advance, along with one or more dated operating processes, procedures, or plans that will be used, or other equivalent evidence.

**MR2** Evidence of initiating one or more operating processes, procedures, or plans to prevent an **interconnection reliability operating limit** exceedance as required in requirement R2 exists. Evidence may include operating processes, procedures, or plans from requirement R1, dated operating logs, dated voice recordings, dated transcripts of voice recordings, or other equivalent evidence.

# Alberta Reliability Standard

## Reliability Coordinator Actions to Operate within IROLs

### IRO-009-AB-2



**MR3** Evidence of acting or requesting others to act so that the magnitude and duration of an **interconnection reliability operating limit** exceedance is mitigated as required in requirement R3 exists. Evidence may include operating processes, procedures, or plans, dated operating logs, dated voice recordings, dated transcripts of voice recordings, or other equivalent evidence.

**MR4** Evidence of operating to the most limiting **interconnection reliability operating limit** or **interconnection reliability operating limit Tv** in instances where there was a difference as required in requirement R4 exists. Evidence may include dated computer printouts, dated operator logs, dated voice recordings, dated transcripts of voice recordings, or other equivalent evidence.

#### Revision History

| Date       | Description      |
|------------|------------------|
| 2019-12-01 | Initial release. |