

# Alberta Reliability Standard

## Procedures, Processes or Plans to Support Coordination Between Reliability Coordinators

### IRO-014-AB-1



#### 1. Purpose

To ensure that the **ISO's** operations are coordinated such that it will not have an **adverse reliability impact** on any **reliability coordinator area** and to preserve the reliability benefits of interconnected operations.

#### 2. Applicability

This **reliability standard** applies to:

(a) the **ISO**.

#### 3. Requirements

**R1** The **ISO** must have operating procedures, operating processes or operating plans in place for activities that require notification, exchange of information or coordination of actions with one or more **reliability coordinators** to support **Interconnection** reliability. These operating procedures, operating processes or operating plans must address anticipated events that affect **reliability coordinator areas** as well as those developed in coordination with **reliability coordinators**.

**R1.1** These operating procedures, operating processes or operating plans must collectively address, as a minimum, the following:

**R1.1.1** communications and notifications, including the conditions under which the **ISO** notifies a **reliability coordinator**; the process to follow in making those notifications; and the data and information to be exchanged with a **reliability coordinator**;

**R1.1.2** energy and capacity shortages;

**R1.1.3** planned or unplanned outage information;

**R1.1.4** voltage control, including the coordination of reactive resources for voltage control;

**R1.1.5** coordination of information exchange to support reliability assessments; and

**R1.1.6** authority to act to prevent and mitigate instances of causing **adverse reliability impacts** to a **reliability coordinator area**.

**R2** The **ISO's** operating procedure, operating process or operating plan that requires one or more **reliability coordinators** to take action (e.g., make notifications, exchange information or coordinate actions) must be:

**R2.1** agreed to by all the **reliability coordinators** required to take the indicated action(s); and

**R2.2** distributed to all **reliability coordinators** that are required to take the indicated action(s).

**R3** The **ISO's** operating procedures, operating processes or operating plans developed to support an **ISO-to-reliability coordinator** operating procedure, operating process or operating plan must include:

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- R3.1** a reference to the associated **ISO-to-reliability coordinator** operating procedure, operating process or operating plan; and
- R3.2** the agreed-upon actions from the associated **ISO-to-reliability coordinator** operating procedure, operating process or operating plan.
- R4** The **ISO** must, for each of the operating procedures, operating processes and operating plans addressed in requirement R1 and requirement R3 of this **reliability standard**:
  - R4.1** include a version control number or date;
  - R4.2** include a distribution list; and
  - R4.3** conduct a review, at least once every three years, and updated if needed.

#### 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** The **ISO** may have available for real-time use, the latest approved version of operating procedures, operating processes or operating plans that require notifications, information exchange or the coordination of actions between **reliability coordinators** and the **ISO**.
  - MR1.1** These operating procedures, operating processes or operating plans may address:
    - MR1.1.1** communications and notifications, including the conditions under which the **ISO** notifies **reliability coordinators**; the process to follow in making those notifications; and the data and information to be exchanged between the **ISO** and **reliability coordinators**;
    - MR1.1.2** energy and capacity shortages;
    - MR1.1.3** planned or unplanned outage information;
    - MR1.1.4** voltage control, including the coordination of reactive resources for voltage control;
    - MR1.1.5** coordination of information exchange to support reliability assessments; and
    - MR1.1.6** authority to act to prevent and mitigate instances of causing **adverse reliability impacts** to a **reliability coordinator area**.
- MR2** The **ISO** may have evidence that these operating procedures, operating processes or operating plans were:
  - MR2.1** agreed to by all the **reliability coordinators** required to take the indicated action(s); and
  - MR2.2** distributed to all **reliability coordinators** required to take the indicated action(s).
- MR3** The **ISO's** operating procedures, operating processes or operating plans developed to support an **ISO-to-reliability coordinator** operating procedure, operating process or operating plan may include:

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- MR3.1** a reference to the associated source document; and
- MR3.2** the agreed-upon actions from the source document.
- MR4** The **ISO**'s operating procedures, operating processes or operating plans that address **ISO-to-reliability coordinator** coordination may:
  - MR4.1** each include a version control number or date;
  - MR4.2** each include a distribution list; and
  - MR4.3** the **ISO** may have evidence that these operating procedures, operating processes or operating plans were reviewed within the last three years.

## Revision History

Effective Date	Description
2015-04-01	Initial release.