

Alberta Reliability Standard Steady-State and Dynamic Data for Transmission System Modeling and Simulation MOD-010&012-AB-0



1 Purpose

The purpose of this **reliability standard** is to provide for the delivery of data and information necessary to establish consistent power flow and dynamic models to be used in the analysis of the reliability of the **Interconnection**.

2 Applicability

This **reliability standard** applies to:

- (a) the **legal owner** of a **generating unit** that is:
 - (i) directly connected to the **transmission system** or to **transmission facilities** within the City of Medicine Hat; and
 - (ii) not part of an **aggregated generating facility**;
- (b) the **legal owner** of an **aggregated generating facility** that is directly connected to the **transmission system** or to **transmission facilities** within the City of Medicine Hat;
- (c) the **legal owner** of a **transmission facility**; and
- (d) the **ISO**.

3 Requirements

R1 Each **legal owner** of a **generating unit**, **legal owner** of an **aggregated generating facility** and **legal owner** of a **transmission facility** must provide, within thirty (30) **days** of the **ISO**'s written request, equipment characteristics and system data that the **ISO** requires to meet requirements R2 and R3.

R2 Subject to requirement R3, the **ISO** must provide equipment characteristics and system data, including dynamics system modeling, simulation data and interchange schedules, to the **WECC** in compliance with the appropriate **Interconnection**-wide **WECC** steady-state and dynamics system modeling and simulation data requirements and reporting procedures.

R3 The **ISO** must provide the equipment characteristics and system data, including modeling data and information specified in requirement R2, according to the data bank compilation schedule the **WECC** publishes but if no such schedule has been published, then the **ISO** must provide such equipment characteristics and system data no later than:

- (a) thirty (30) **days** from the date the **WECC** requests it if the **ISO** has received the requested information prior to the date that **WECC** requested it; or
- (b) sixty (60) **days** from the date the **WECC** requests it if the **ISO** has not received the information prior to the date that **WECC** requested it.

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 providing equipment characteristics and system data as required in requirement R1. Evidence may include data files, email or mail.

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MR2 Evidence of providing equipment characteristics and system data as required in requirement R2. Evidence may include data files, email or mail.

MR3 Evidence of providing equipment characteristics and system data within the timelines specified in requirement R3. Evidence may include email or mail.

Revision History

Effective	Description
2014-01-01	Initial Release - The first day of the calendar quarter that follows three full calendar quarters after approval by the Commission