

# Information Document

## Automatic Generation Control

### ID #2012-005RS



Information Documents are not authoritative. Information Documents are for information purposes only and are intended to provide guidance. In the event of any discrepancy between an Information Document and any Authoritative Document(s) in effect, the Authoritative Document(s) governs.

## 1 Purpose

This Information Document relates to the following Authoritative Document<sup>1</sup>:

- Alberta Reliability Standard BAL-005-AB2-0.2b, *Automatic Generation Control* ("BAL-005").

The purpose of this Information Document is to provide a link to the list of metering points and their associated data used for automatic generation control by the AESO, and to provide additional information relating to requirement R12.

## 2 Background

BAL-005 establishes the requirements for the automatic generation control application within the AESO's energy management system. Included in BAL-005 are requirements detailing quality and calibration of those metering points owned by the legal owner of a transmission facility or a generating unit that the AESO uses for automatic generation control. The inter-control center communications protocol (ICCP) name of the metering points the AESO uses for automatic generation control are provided to enable the legal owner of a transmission facility or a generating unit to map to the physical meter providing the data.

## 3 Identified Source of Frequency and Intertie Metering Data

The source of the frequency data and intertie metering data identified by the AESO for the purposes of the Applicability section of BAL-005, is available in the document entitled [Identified Source of Frequency Data and Intertie Metering Data](#) on the AESO website at.

## 4 Unfiltered Data

Requirement R12.2 states that the legal owner of a transmission facility must not filter megawatt metering data for interconnections or area control error signals transmitted to the AESO. The purpose of requirement R12.2 is to ensure the instantaneous megawatt metering data and area control error signals from the originating site (i.e. remote terminal unit) are the same as the data and signals received by the AESO. Note that this requirement does not prohibit the scaling of data.

## Revision History

Posting Date	Description of Changes
2016-09-28	Administrative amendments
2016-07-01	Moving tables into separate document and including a link to document on AESO website; Adding Section 4, Unfiltered Data; Administrative Updates
2013-09-19	Updated Table 2: Intertie Metering –Bennett (520S) due to recent work at the 102S and 520S substations  Removed the initial release Table 5 as this is not a synchronous intertie  Added a new Table 5 for MATL

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<sup>1</sup> "Authoritative Documents" is the general name given by the AESO to categories of documents made by the AESO under the authority of the *Electric Utilities Act* and regulations, and that contain binding legal requirements for either market participants or the AESO, or both. AESO Authoritative Documents include: the ISO rules, the Alberta reliability standards, and the ISO tariff.

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Initial Release