

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 Document¹:

- Alberta Reliability Standard CIP-002-AB-5.1, *Cyber Security – BES Cyber System Categorization* (“CIP-002-AB-5.1”).

The purpose of this Information Document is to identify any generating unit, aggregated generating facility, transmission facility, remedial action scheme or automated switching system described under criteria 2.3, 2.6 and 2.9 of Attachment 1 – Impact Rating Criteria (“Attachment 1”) of CIP-002-AB-5.1 and to clarify the definition of control centre as it relates to the BES cyber system impact rating.

2 Identified Generating Units, Aggregated Generating Facilities, Transmission Facilities, Remedial Action Schemes and Automated Switching Systems

2.1 Criterion 2.3 of Attachment 1

“each **generating unit** and **aggregated generating facility** that the **ISO** designates, ... as necessary to avoid an **adverse reliability impact** in the planning horizon of more than one year;”

None identified.

2.2 Criterion 2.6 of Attachment 1

“**generating units** at a single plant location, **aggregated generating facilities** or **transmission facilities** at a single station or substation location that are identified by the **ISO** as critical to the derivation of the **interconnection reliability operating limits** ...”

None identified.

2.3 Criterion 2.9 of Attachment 1

“each **remedial action scheme**, or automated switching system that operates **system element(s)** of the **bulk electric system**, that, if destroyed, degraded, misused or otherwise rendered unavailable, would cause one or more **interconnection reliability operating limits (IROLs)** violations for failure to operate ...”

None identified.

3 Clarification on the definition of control centre

(1) When determining whether or not a control centre has associated BES cyber systems with a medium or high impact rating in accordance with Attachment 1 of CIP-002-AB-5.1, the definition of control centre from the *Consolidated Authoritative Document Glossary* needs to be considered.²

(2) By definition, a control centre is a facility that monitors and controls: bulk electric system transmission facilities at 2 or more locations; or bulk electric system generating units or aggregated generating facilities at 2 or more locations. The AESO provides the below clarification for the word “location”:

¹ “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.

² Available on the AESO website.

Information Document

CIP-002-AB-5.1 Impact Rating Criteria

ID #2016-004RS



- (a) one location is one substation that contains bulk electric system transmission facilities, which are monitored and controlled in real time by operating personnel;
- (b) where a single substation or switchyard is associated with one or more generating units or aggregated generating facilities, the AESO considers that site to be one location.
- (c) the use of the word location is not correlated to a geographically contiguous area, such as city boundaries, industrial system designations, or industrial site boundaries.

Revision History

| Posting Date | Description of Changes |
|--------------|------------------------|
| 2019-10-1 | Addition of Section 3 |
| 2016-09-30 | Initial Release |