

PRC-021-AB1-1 Under Voltage Load Shedding Program Data

1. Purpose

The purpose of this *reliability standard* is to ensure data is provided to support the WECC database maintained for UVLS programs.

2. Applicability

This reliability standard applies to:

- (a) the *legal owner* of a *transmission facility* that owns an *under voltage load shed* system;
- (b) a *market participant* receiving service under Rate DTS of the *ISO tariff* that owns an *under voltage load shed* system; and
- (c) the *ISO*.

3. Definitions

Italicized terms used in this *reliability standard* have the meanings as set out in the *Consolidated Authoritative Document Glossary*.

4. Requirements

- R1** The *ISO* must update its *UVLS* data annually to support the *WECC UVLS* database.
- R2** The *ISO* must provide the following data to the *WECC* for each installed *UVLS* system in Alberta that is in the *WECC UVLS* database:
- Size and location of *load*, or percent of connected *load*, to be interrupted;
 - Corresponding voltage set points and overall scheme clearing times;
 - Time delay from initiation to trip signal;
 - Breaker operating times; and
 - Any other schemes that are part of or impact the *UVLS* programs, including without limitation related generation protection, islanding schemes, automatic *load* restoration schemes, *UFLS* and *RAS* (identified as *special protection systems* by *WECC*).
- R3** Each *legal owner* of a *transmission facility* and *market participant* must, upon request by the *ISO*, provide *UVLS* data to the *ISO*. The *legal owner* of a *transmission facility* or *market participant* may meet this requirement R3 by providing *UVLS* data in accordance with *ISO* rules.
- R4** The *ISO* must provide its *UVLS* data to the *WECC* within 30 calendar *days* of a written request to do so from *WECC*.

5. Processes and Procedures

No procedures have been defined for this *reliability standard*.

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6. Measures

The following measures correspond to the requirements identified in Section 4 of this *reliability standard*. For example, MR1 is the measure for R1.

- MR1** Evidence that the *UVLS* data update process was completed within 12 months of the previous update.
- MR2** Written confirmation from *WECC* that *UVLS* data was received.
- MR3** Written confirmation from the *ISO* that *UVLS* data was received.
- MR4** Written confirmation from *WECC* that data was received within 30 calendar *days* of a request.

7. Appendices

No appendices have been defined for this *reliability standard*.

8. Guidelines

No guidelines have been defined for this *reliability standard*.

Revision History

| Effective | Description |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2013-01-02 | Administrative update – “ <i>TFO</i> ” and “ <i>demand customers</i> ” replaced with “ <i>legal owner of a transmission facility</i> ” and “ <i>market participant receiving service under Rate DTS of the ISO tariff</i> ”; and other minor cleanup items. |
| 2009-09-19 | New Issue |