

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.
- ~~• TFOs and demand customers that own a UVLS system.~~
- ~~• ISO~~

3. Definitions

Italicized terms used in this *reliability standard* have the meanings as set out in the *Alberta Reliability Standards Glossary of Terms and Part 1 of the ISO Rules 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** ~~The~~ Each legal owner of a transmission facility and market participant ~~TFOs and demand customers~~ must, upon request by the ISO, provide UVLS data to the ISO; ~~provid~~ Thed that the legal owner of a transmission facility or market participant ~~TFO or demand customer~~ 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*.

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
<u>2012-xx-xx</u>	<u>Administrative update – “TFO” and “demand customers” replaced with “legal owner of a transmission facility” and “market participant receiving service under Rate DTS of the ISO tariff”; and other minor cleanup items.</u>
2009-09-19	New Issue