

## **PRC-021-AB-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:

- *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](#).

### **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.
  - 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** *TFOs and demand customers* must upon request by the *ISO*, provide *UVLS* data to the *ISO*; provided that the *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
2009-09-19	New Issue