
PRC-009-AB-0 UFLS Performance Following an Underfrequency Event

1. Purpose

The purpose of this *reliability standard* is to ensure effectiveness of the *UFLS* program performance.

2. Applicability

This *reliability standard* applies to:

- *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 analyze and document its *UFLS* program performance in accordance with *WECC's UFLS* program. The analysis must address the performance of *UFLS* equipment and program effectiveness following *system* events resulting in *system* frequency excursions below the initializing set points of the *UFLS* program. The analysis must include, without limitation the following:

- A description of the *system* event including initiating conditions.
- A review of the *UFLS* set points and tripping times.
- A simulation of the *system* event.
- A summary of the findings.

R2 The *ISO* must provide documentation of the analysis of the *UFLS* program performance to *WECC* on request and within the timeframe agreed to by the *ISO* and *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 Disturbance document(s) exist for each *UFLS* event. The disturbance document(s) contain analysis of the event.

MR2 Written confirmation from *WECC* that documentation was received.

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
2009-10-03	New Issue