

Alberta Reliability Standard Implementation Plan for TPL-001 TPL-001-PLAN-AB-1

1. Purpose

The purpose of this **reliability standard** is to set the effective dates for requirements of the TPL-001-AB-5.1 **reliability standard**.

2. Applicability

This **reliability standard** applies to the following **reliability standards**:

- TPL-001-AB-5.1, *Transmission System Planning Performance Requirements*

3. Compliance with Reliability Standards

The TPL-001-AB-5.1 **reliability standard** shall become effective on January 1, 2028.

Functional entities shall not be required to comply with TPL-001-AB-5.1 Requirement R2, Part 2.7 for the Table 1 Category P5 planning event for the non-redundant components of a **protection system** identified in footnote 13 items a, b, c, and d until January 1, 2030.

Corrective action plans applying to the following categories of planning events identified in Table 1 are allowed to include **non-consequential load loss** (in accordance with TPL-001-AB-5.1 Requirement R2, Part 2.7.3.) that would not otherwise be permitted by the requirements of the TPL-001-AB-5.1 **reliability standard** until January 1, 2032:

- P1-2 (for controlled interruption of electric supply to local network customers connected to or supplied by the faulted element)
- P1-3 (for controlled interruption of electric supply to local network customers connected to or supplied by the faulted element)
- P2-1
- P2-2 (above 300 kV)
- P2-3 (above 300 kV)
- P3-1 through P3-5
- P4-1 through P4-5 (above 300 kV)
- P5 (above 300 kV)

Corrective action plans that address failures to meet Table 1, category P5 performance requirements for non-redundant components of a **protection system** shall not be required to comply with the following underlined part of Requirement R2, Part 2.7, until January 1, 2034: “Revisions to the **corrective action plan(s)** are allowed in subsequent planning assessments, but the planned system shall continue to meet the performance requirements in Table 1.”

This implementation plan reflects considerations that the **ISO** will need time to develop, perform, and/or validate new and/or modified studies, methodologies, assessments, procedures, etc. necessary to implement and meet the TPL-001-AB-5.1 requirements. The specified effective dates are expected to allow sufficient time for proper assessment of the available options necessary to create a viable **corrective action plan** that is compliant with the **reliability standard**.

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Figure 1 shows an illustration of the implementation plan timeline.

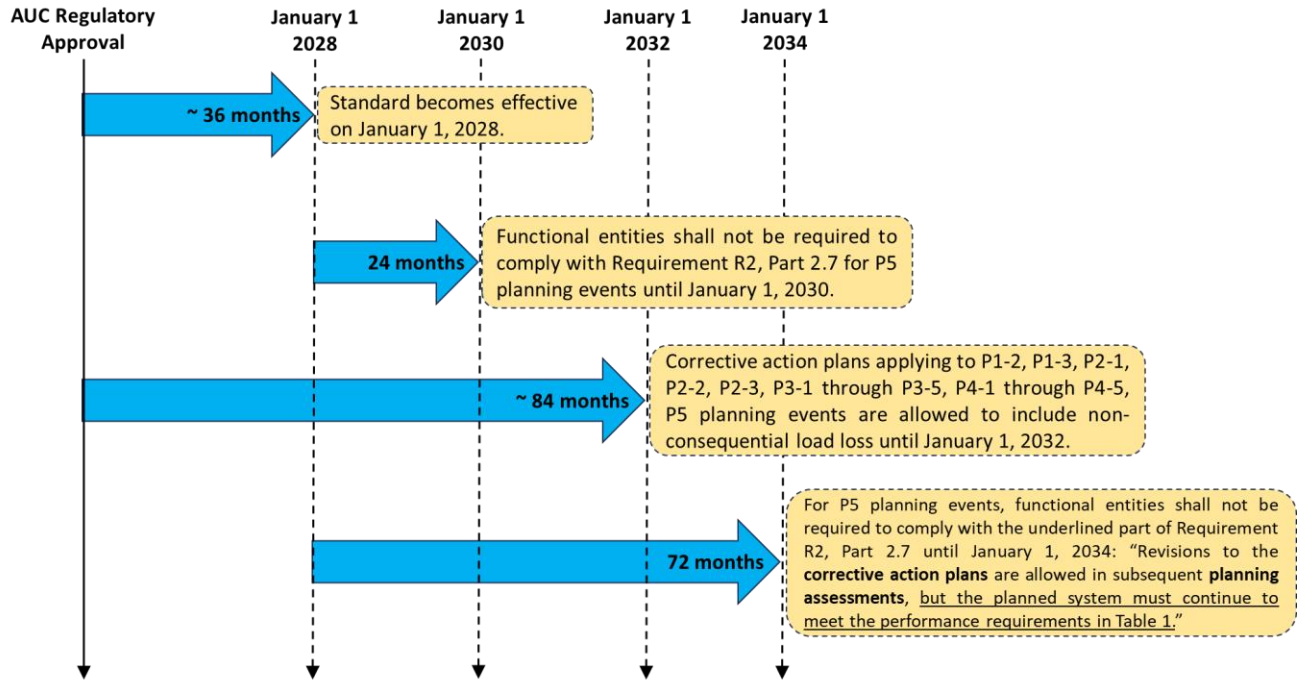


Figure 1: Implementation Plan Timeline

Revision History

Version	Effective Date	Description
AB-1	2028-01-01	Initial release.