

Implementation Plan

Project 2010-13.3 – Relay Loadability: Stable Power Swings

Requested Approvals

PRC-026-1 – Relay Performance During Stable Power Swings

Requested Retirements

None.

Prerequisite Approvals

None.

General Considerations

There are a number of factors that ~~influence~~influenced the determination of an implementation period for the new proposed standard. The following factors may be specific to one or more of the applicable entities listed below.

1. The effort and resources for all applicable entities to develop or modify internal processes and/or procedures.
2. The effort and resources for the Planning Coordinator to begin identifying Element(s) according to the criteria in Requirement R1 is based on existing information (e.g., the most recent Planning Assessment).
3. The notification of Elements in Requirement R1 is based on the Planning Coordinator's existing studies (i.e., annual Planning Assessments) and there will be minimal additional effort to identify Elements according to the criteria.
4. The need for the Generator Owner or Transmission Owner to plan for and secure resources (e.g., availability of consultants, if needed) to address the initial influx of ~~Elements~~Element notifications from the Planning Coordinator during the implementation period of Requirement R2.

Applicable Entities

Generator Owner

Planning Coordinator

Transmission Owner

Effective Dates

Requirement R1

First day of the first full calendar year that is 12 months after the date that the standard is approved by an applicable governmental authority or as otherwise provided for in a jurisdiction where approval by an applicable governmental authority is required for a standard to go into effect. Where approval by an applicable governmental authority is not required, the standard shall become effective on the first day of the first full calendar year that is 12 months after the date the standard is adopted by the NERC Board of Trustees or as otherwise provided for in that jurisdiction.

Requirements R2, R3, and R4

First day of the first full calendar year that is 36 months after the date that the standard is approved by an applicable governmental authority or as otherwise provided for in a jurisdiction where approval by an applicable governmental authority is required for a standard to go into effect. Where approval by an applicable governmental authority is not required, the standard shall become effective on the first day of the first full calendar year that is 36 months after the date the standard is adopted by the NERC Board of Trustees or as otherwise provided for in that jurisdiction.

Notifications Prior to the Effective Date of **Requirement R2**

~~During the implementation of the standard, notifications are likely to occur prior to Requirement R2 becoming effective. Where notification of Elements under Requirement R1 or becoming aware of an Element tripping due to a stable or unstable power swing prior to the Effective Date of Requirement R2, the 12 month time period to evaluate if an Element's load-responsive protective relays meet the criteria in PRC-026-1 – Attachment B in Requirement R2 will begin, as expected, from the Effective Date of Requirement R2. Thereafter, entities will follow the 12 month time period in accordance with Requirement R2. The intention of the additional time for R2 to become effective is to handle the initial influx of notifications and identifications.~~

The implementation plan is designed such that the Planning Coordinator will begin notifying the respective Generator Owners and Transmission Owners of any Elements in Requirement R1 based on the effective date language. The 36 months for the Generator Owner and Transmission Owner in Requirement R2 (and Requirements R3 and R4) to become compliant is intended to allow the entity an opportunity to address the initial influx of identified Elements in Requirement R1. There is no obligation on the Generator Owner or Transmission Owner to perform Requirement R2, R3, or R4 until the effective date of these Requirements. Although there is no compliance obligation during the 36 month implementation period, an entity will have the full obligation of Requirements R2, R3, and R4 following the 36 month period. The 36 month implementation period also allows an opportunity for the entity to establish the evaluation of load-responsive protective relays pursuant to Requirement R2 which will provide the point in time that the five year re-evaluation of such relays will occur.

Justification

The implementation plan is based on the general considerations above and provides sufficient time for the Generator Owner, Planning Coordinator, and Transmission Owner to begin becoming compliant with the standard. The Effective date is constructed such that once the standard is adopted or approved it would become effective on the first day of the first whole calendar year that is 12 months for Requirement R1 and 36 months for Requirements R2, R3, and R4 after applicable adoption or approval.

Requirement R1 – The Planning Coordinator will have at least one full calendar year to prepare itself to identify any generator, transformer, and transmission line BES Elements that meet the criteria and notify the respective Generator Owner and Transmission Owner of identified Elements, if any, within the allotted timeframe.

Requirement R2 – The Generator Owner and Transmission Owner will have 36 calendar months to determine if its load-responsive protective relays for an identified Element pursuant to Requirement R1 meet the PRC-026-1 – Attachment B criteria for the initial influx of Elements. Also, both entities are provided an implementation that will allow the entity to conduct initial evaluations of its load-responsive protective relays for an identified Element during the first 36 calendar months of approval.

Requirement R3 – The implementation period for the development of a Corrective Action Plan (CAP) is set to be consistent with Requirement R2 to begin during the fourth calendar year of adoptions or approvals to address any load-responsive protective relays determined in Requirement R2 not to meet the PRC-026-1 – Attachment B criteria.

Requirement R4 – The implementation period for this Requirement is set to be consistent with Requirement R3, the development of a CAP.