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Implementation Plan for Standard PRC-006-SERC-01 Automatic Underfrequency Load Shedding (UFLS) Requirements

Summary

The SERC UFLS Standard was developed to establish consistent and coordinated requirements for the design, implementation, and analysis of automatic underfrequency load shedding (UFLS) programs among all SERC applicable entities.

Prerequisite approvals

None

Modified standards

None

Compliance with standards

This standard is applicable to the Planning Coordinator (PC), Generator Owner (GO), and UFLS entities. UFLS entities shall mean all entities that are responsible for the ownership, operation, or control of UFLS equipment as required by the UFLS program established by the Planning Coordinators. Such entities may include Transmission Owners (TO) and Distribution Providers (DP).

Proposed effective dates

Requirement R1 shall become effective 12 months after the first day of the first quarter following regulatory approval, but no sooner than 12 months following regulatory approval of NERC PRC-006-1. This 12-month period is consistent with the effective date of R2 of PRC-006-1.

Requirement R2 shall become effective 12 months after the first day of the first quarter following regulatory approval. This 12-month period is needed to allow time for entities to ensure a minimum time delay of six cycles on existing UFLS relays as specified in part 2.6.

Requirements R3 shall become effective 18 months after the first day of the first quarter following regulatory approval. This additional six-month period is needed to allow time to perform and coordinate studies necessary to assess the overall effectiveness of the UFLS schemes in the SERC Region.

Requirements R4, R5, and R6 shall become effective 30 months after the first day of the first quarter following regulatory approval. This additional 18 months is needed to allow time for any necessary changes to be made to the existing UFLS schemes in the SERC Region.

Requirement R7 shall become effective six months following the effective date of R8 of the NERC standard PRC-006-1, but no sooner than one year following the first day of the first calendar quarter after applicable regulatory approval of PRC-006-SERC-01. R8 of the NERC standard requires each UFLS entity to provide UFLS data to the Planning Coordinator (PC). R7 of the SERC standard requires the PC to provide this data to SERC.



Requirement R8 shall become effective 12 months after the first day of the first quarter following regulatory approval. This 12-month period is needed to allow time for Generator Owners (GO) to collect and make an initial data filing.

Retired standards

None