NERC
NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION

Implementation Plan for PRC-006-1 — Under Frequency Load Shedding Reliability Standard

Prerequisite Approvals

With one exception, there are no other reliability standards or Standard Authorization Requests (SARs), in progress or approved, that must be implemented before the Under Frequency Load Shedding standard and any associated regional reliability standards can be implemented. Parts 4.1 ~~and~~ through 4.6~~2~~ of Requirement R4 of the Under Frequency Load Shedding standard shall become effective and enforceable one year following the receipt of generation data as required in PRC-024-1, but no sooner than one year following the first day of the first calendar quarter after applicable regulatory approvals of PRC-006-1.

Proposed Effective Date

Compliance with the new version PRC-006-1 — Underfrequency Load Shedding reliability standard (Requirements R1 through R14 with the exception noted above for Requirement R4, ~~p~~Parts 4.1 through 4.6) is effective one year following the first day of the first calendar quarter after applicable regulatory approvals ~~(or the standard otherwise becomes effective the first day of the first calendar quarter after NERC Board of Trustees adoption in those jurisdictions where regulatory approval is not required)~~.

The one year phase-in for compliance is intended to provide Planning Coordinators sufficient time: 1~~-~~) to develop, ~~,or~~ modify, or validate (to determine that the program meets performance characteristics) existing ~~-~~UFLS programs and 2~~-~~) to establish a schedule for implementation, or validate a schedule for completion of program revisions already in progress~~.~~ Transmission Owners and Distribution Providers shall comply with the schedule determined by the Planning Coordinator but no sooner than the effective date of the standard.

Compliance with the revised EOP-003-1 — Load Shedding Plans reliability standard is effective one year following the first day of the first calendar quarter after applicable regulatory approvals (or the standard otherwise becomes effective the first day of the first calendar quarter after NERC Board of Trustees adoption in those jurisdictions where regulatory approval is not required).

Applicability

Certain requirements within the proposed standard are intended to apply only to entities that own or operate UFLS relays. These requirements would not apply to other entities. The drafting team has designated these entities that own or operate UFLS relays as "UFLS Entities." They may include the following:

- Transmission Owners
- Distribution Providers

For decades underfrequency load shedding programs have been implemented by different entities depending on how the transmission system was constructed and owned. In some parts of the country, Distribution Providers accomplished this task, in others it was the Transmission Owners. Indeed, the set of standards intended to be replaced by this new standard allowed either of these registered entities, along with others in some cases, to accomplish the task of owning and operating UFLS relays. Because of this historical nature of the entities involved in the

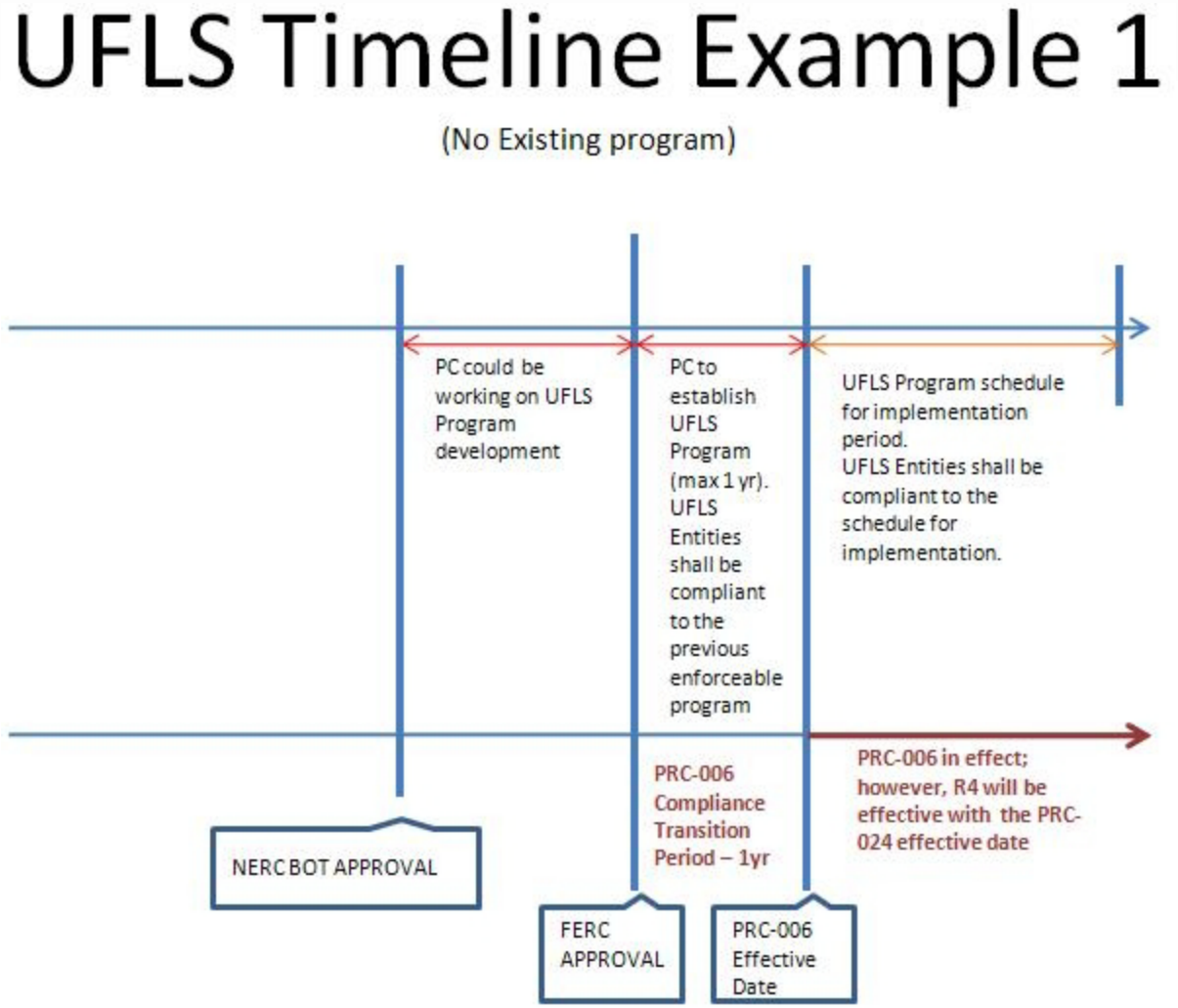
implementation of UFLS programs, and as listed in the applicability listed in the standards PRC-007-0 and PRC-009-0 that this standard is intended to replace, each of the functions listed above will have a role in implementing UFLS programs.

Retired Standards

The following standards will be retired when PRC-006-1 becomes effective:

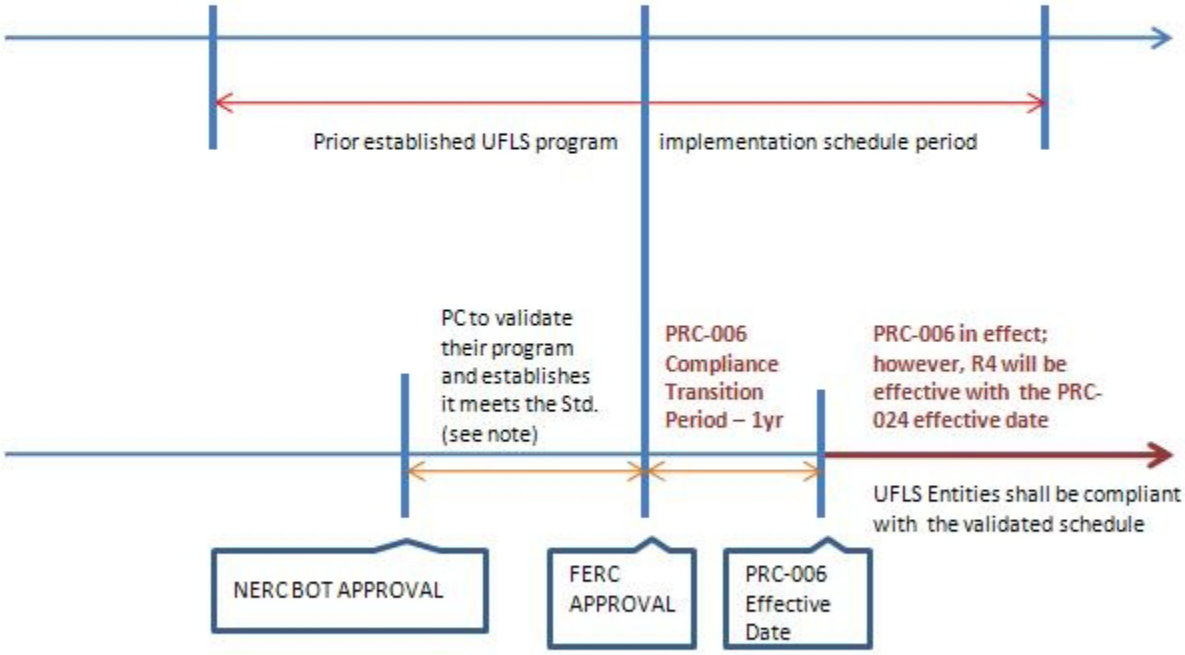
- PRC-006-0 — Development and Documentation of Regional UFLS Programs will be completely retired once PRC-006-1 becomes effective as specified above.
- PRC-007-0 — Assuring Consistency with Regional UFLS Program Requirements will be completely retired once PRC-006-1 becomes effective as specified above.
- PRC-009-0 — UFLS Performance Following an Underfrequency Event will be completely retired once PRC-006-1 becomes effective as specified above.

•


UFLS Timeline Example 1
(No Existing program)
PC could be working on UFLS Program development
PC to establish UFLS Program (max 1 yr). UFLS Entities shall be compliant to the previous enforceable program
UFLS Program schedule for implementation period.
UFLS Entities shall be compliant to the schedule for implementation.
PRC-006 Compliance Transition Period – 1yr
PRC-006 in effect; however, R4 will be effective with the PRC-024 effective date
NERC BOT APPROVAL
FERC APPROVAL
PRC-006 Effective Date

UFLS Timeline Example 2

(Existing UFLS program)



Note: If the PC determines that their program is not valid to the standard, PC will need to follow Timeline Example 1.