

Compliance Application Notice – 0013

PRC-023 R1 and R2 Effective Dates for Switch-On-To-Fault Schemes

Posted: June 17, 2011

Revised: November 16, 2011

Primary Interest Groups

Compliance Enforcement Authority (CEA)¹

NERC

Regional Entity

Transmission Owners (TO), Generation Owners (GO), Distribution Providers (DP) and Planning Coordinators (PC) with load-responsive phase protection systems subject to NERC Reliability Standard PRC-023

Issue: What are the Effective Dates for switch-on-to-fault (SOTF) schemes?

For the purpose of aiding a CEA, this CAN clarifies the Effective Dates for SOTF schemes included on 1) transmission lines operated at 200 kV and above, and 2) transformers with low voltage terminals connected at 200 kV and above, under PRC-023 Requirement (R) 1 and R2.

Background

Points 5.1.1 and 5.1.2 of the introduction to the standard set forth the effective dates for equipment applicable to R1 and R2. The language reads:

5.1.1 For circuits described in 4.1.1² and 4.1.3³ above (except for switch-on-to-fault schemes) — the beginning of the first calendar quarter following applicable regulatory approvals.

5.1.2 For circuits described in 4.1.2⁴ and 4.1.4⁵ above (including switch-on-to-fault schemes) — at the beginning of the first calendar quarter 39 months following applicable regulatory approvals.

The Standard Drafting Team included a parenthetical in PRC-023 R5.1.2 to address comments from industry participants that “[t]he schedule for switch-on-to-fault (SOTF) protections applied on elements 200 kV and above is the same as the Beyond Zone 3 schedule for the phase protections referenced in

¹ Compliance Enforcement Authorities include ERO auditors, investigators, enforcement personnel or any person authorized to assess issues of concern, potential non-compliance, and possible, alleged or confirmed violations of NERC Reliability Standard requirements.

² Transmission lines operated at 200 kV and above.

³ Transformers with low voltage terminals connected at 200 kV and above.

⁴ Transmission lines operated at 100 kV to 200 kV as designated by the PC as critical to the reliability of the Bulk Power System (BPS).

⁵ Transformers with low voltage terminals connected at 100 kV to 200 kV as designated by the PC as critical to the reliability of the BPS.

section A.4.1.2 and A.4.1.4 applied on elements 100 kV to 200 kV. The Effective Date for the standard should be modified to include all SOTF protections in the Effective Date in Section A.5.1.2.”

Compliance Application

The Effective Date for SOTF schemes included on 1) transmission lines operated at 200 kV and above, and 2) transformers with low voltage terminals connected at 200 kV and above, is the beginning of the first calendar quarter 39 months following applicable regulatory approvals. CEAs are to assess compliance as of the applicable Effective Date.

To summarize, the Effective Dates corresponding to the applicable equipment under points 5.1.1 and 5.1.2 of the introduction to PRC-023 are as follows:

Equipment	Effective Date	US Effective Date
Transmission lines operated at 200 kV and above (except SOTF schemes)	the beginning of the first calendar quarter following applicable regulatory approvals	July 1, 2010
Transformers with low voltage terminals connected at 200 kV and above (except SOTF schemes)		
Transmission lines operated at 100 kV to 200 kV as designated by the Planning Coordinator as critical to the reliability of the Bulk Electric System.	the beginning of the first calendar quarter 39 months following applicable regulatory approvals	October 1, 2013
Transformers with low voltage terminals connected at 100 kV to 200 kV as designated by the Planning Coordinator as critical to the reliability of the Bulk Electric System		
SOTF schemes on all applicable facilities specified in the applicability sections A.4.1.1 – A.4.1.4		

Effective Period for CAN

This revised CAN supersedes the original CAN, as well as all prior communications. CEAs are to use this CAN to assess compliance from June 17, 2011, regardless of the start date of the violation. It will remain in effect until such time that a future version of a FERC or other applicable government authority approved standard or interpretation becomes effective and addresses the specific issue contained in this CAN.

For any enforcement action in process and for audits that have been initiated,⁶ a CEA will apply the appropriate discretion, including consideration of the specific facts and circumstances of the non-compliance, in determining whether to assess compliance pursuant to this CAN.

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This document is designed to convey compliance monitoring instruction to achieve a measure of consistency among auditors and Compliance Enforcement Authorities. It is not intended to establish new requirements under NERC's Reliability Standards or to modify the requirements in any existing NERC Reliability Standard. Compliance will continue to be assessed based on language in the currently enforceable NERC Reliability Standards. This document is not intended to define the exclusive method an entity must use to comply with a particular standard or requirement, or foreclose a registered entity's demonstration by alternative means that it has complied with the language and intent of the standard or requirement, taking into account the facts and circumstances of a particular registered entity. Implementation of information in this document is not a substitute for compliance with requirements in NERC's Reliability Standards.

Revision History

Posted Date	Action	Revision
June 17, 2011	Posted Final CAN	
November 16, 2011	Posted Revised CAN	Revised target audience to CEAs

⁶ "Initiated" means that a registered entity has received notification of the upcoming audit.