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IEEE Guide for the Application of Capacitance Current Switching for AC High-Voltage Circuit Breakers Above 1000 V

Amendment 1

STANDARDS

IEEE Power and Energy Society

Developed by the
Switchgear Committee

IEEE Std C37.012a™-2020
(Amendment to IEEE Std C37.012-2014)

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Developed by the

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Approved 4 June 2020

IEEE SA Standards Board

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Abstract: Covered in this amendment are changes in d*i*/d*t* limitations for non-oil circuit breakers. A section has been added describing possible delayed current zeros when doing a rapid close—open of a line circuit breaker (CO) when shunt reactors are connected to a line or cable. Some minor errors have been corrected and references have been updated.

Keywords: capacitive current switching, circuit breaker capacitive inrush/outrush limitations, IEEE C37.012a, switching reactor compensated lines

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