

Supplement to **IEEE Standard Test Procedure for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis**

Sponsor
**Switchgear Committee
of the
IEEE Power Engineering Society**

Approved March 12, 1982
IEEE Standards Board

Approved March 30, 1983
American National Standards Institute

Adopted for Mandatory Use March 30, 1984
Department of Defense, United States of America

© Copyright 1984 by

The Institute of Electrical and Electronics, Inc
345 East 47th Street, New York, NY 10017, USA

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher.

In Section 4.14 insert the following paragraph after paragraph 3.

The switching surge factors given in ANSI C37.06-1979, Table 8 are for the purpose of setting minimum standards for circuit breakers specifically designed for line closing switching surge control. System operations or circuit configurations not in conformance with the standard reference power-system tests could result in surge factors lower or higher than those shown in ANSI/IEEE C37.06-1979, Table 8.

In Section 4.14.24 insert the following paragraph between paragraphs 2 and 3.

If shunt reactors are used on the standard line, an oscillating voltage, generally lower in frequency than the power system, will exist on the transmission line after opening the line circuit breaker. Consequently, the magnitude of the crests of the ac voltage across the circuit breaker will vary with time. See ANSI/IEEE C37.010d-1984, 6.3, reference [27]. The reclosing time for the simulated model tests should be adjusted ± 50 ms around the specified reclosing time given in ANSI C37.06-1979, Table 8 to obtain the highest magnitude of closing switching surge factor as determined from statistical distribution.