

PC37.13a

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Type of Project: Amendment to IEEE Standard C37.13-2008

PAR Request Date: 26-Apr-2011

PAR Approval Date: 16-Jun-2011

PAR Expiration Date: 31-Dec-2015

Status: PAR for an Amendment to an existing IEEE Standard

Root Project: C37.13-2008

1.1 Project Number: PC37.13a

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Title: Standard for Low-Voltage AC Power Circuit Breakers Used in Enclosures Amendment 1: Increase of Voltages to 1000 V AC and Below

3.1 Working Group: LVSD - IEEE Standard for Low-Voltage AC Power Circuit Breakers Used in Enclosures (PE/SWG/LVSD-WG_C37.13)

Contact Information for Working Group Chair

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None

3.2 Sponsoring Society and Committee: IEEE Power and Energy Society/Switchgear (PE/SWG)

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4.1 Type of Ballot: Individual

4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 10/2011

4.3 Projected Completion Date for Submittal to RevCom: 10/2012

5.1 Approximate number of people expected to be actively involved in the development of this project: 14

5.2 Scope: The scope of this standard includes the following enclosed low-voltage ac power circuit breakers:

a) Stationary or drawout type of two-, three-, or four-pole construction with one or more rated maximum voltages of 1058 V, 730 V, 635 V (600 V for units incorporating fuses), 508 V, and 254 V for application on systems having nominal voltages of 1000 V, 690 V, 600 V, 480 V, and 240 V respectively.

b) Unfused or fused type

c) Manually operated or power operated, with or without electromechanical or electronic trip devices

d) Fused drawouts consisting of current-limiting fuses in a drawout assembly intended to be connected in series with a low-voltage ac power circuit breaker to form a nonintegrally fused circuit breaker.

NOTE--In this standard, the term circuit breaker shall mean enclosed low-voltage ac power circuit breaker, either fused or unfused. The term unfused circuit breaker shall mean a circuit breaker without either integrally or nonintegrally mounted fuses, and the term fused circuit breaker shall mean a circuit breaker incorporating current limiting fuses. This document applies to both integrally and nonintegrally fused circuit breakers.

5.3 Is the completion of this standard dependent upon the completion of another standard: No

5.4 Purpose: This is an amendment of C37.13-2008 which did not include a Purpose statement. Thus, a Purpose statement will not be included in the document.

5.5 Need for the Project: There are applications and circuit breakers being built above the voltages of 635 V AC in the current scope of C37.13. This amendment provides a revision to the title, scope and to the application sections to increase the voltage rating to 1000 V AC and below. This change also corresponds to the scope for the Low-Voltage Switchgear Devices Sub-committee overseeing this standard, i.e. for 1000V AC and below.

5.6 Stakeholders for the Standard: The stakeholders include users, manufacturers, purchasers, and those performing maintenance on low-voltage power circuit breakers.

Intellectual Property

6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: No

6.1.b. Is the Sponsor aware of possible registration activity related to this project?: No

7.1 Are there other standards or projects with a similar scope?: No

7.2 Joint Development

Is it the intent to develop this document jointly with another organization?: No

8.1 Additional Explanatory Notes (Item Number and Explanation): 5.3: Two additional documents are to also be revised for similar reason but the completion of this standard is not dependent upon revision of the other standards. C37.16-2009 and C37.17 will need to be updated in the future. C37.17 is to complete its current ballot processing and then subsequently be updated.

This amendment request includes a change to the Scope of the Standard. Per the December 2010 NESCOM "View 3," there was consensus to allow the Scope to change within limits to be decided on a case-by-case basis. In accordance with this "View 3", a Draft of the amendment document (C37.13a-Draft 2) is provided through IEEE for review by NesCom. The C37.13a Task Force proposes that the change of Scope for C37.13 is limited and should be allowed. The changes to C37.13 based on the change of Scope is limited to four (4) sections of the document.

Full titles are:

C37.13-2008 - IEEE Standard for Low-Voltage AC Power Circuit Breakers Used in Enclosures

C37.13 - Same as listed for C37.13-2008

C37.16-2009 - IEEE Standard for Preferred Ratings, Related Requirements, and Application Recommendations for Low-Voltage AC (635 V and below) and DC (3200 V and below) Power Circuit Breakers

C37.17 is IEEE Draft Standard for Trip Systems for Low-Voltage (up to 635 V) AC and General Purpose Low-Voltage (up to 600 V) DC Power Circuit Breakers