

PC37.46

Submitter Email: mstavnes@sandc.com
Type of Project: New IEEE Standard
PAR Request Date: 06-Mar-2009
PAR Approval Date: 11-May-2009
PAR Expiration Date: 31-Dec-2013
Status: PAR for a New IEEE Standard
Project Record: C37.46

1.1 Project Number: PC37.46
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Title: Standard Specifications for High Voltage (> 1000 volts) Expulsion and Current-limiting Power Class Fuses and Fuse Disconnecting Switches

3.1 Working Group: HVF - C37.46 (PE/SWG/HVF-WG_C37.46)

Contact Information for Working Group Chair

Name: Mark Stavnes
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Contact Information for Working Group Vice-Chair

None

3.2 Sponsoring Society and Committee: IEEE Power & 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: 06/2009

4.3 Projected Completion Date for Submittal to RevCom: 12/2009

5.1 Approximate number of people expected to be actively involved in the development of this project: 20

5.2 Scope: This standard establishes specifications for high-voltage (above 1000 V) expulsion and current-limiting type power class fuses, and accessories. All of these devices are intended for use on alternating current systems. These specifications apply to the following specific types of equipment:

- a) Power class expulsion type fuses
- b) Power class current-limiting type fuses
- c) Power class fuse disconnecting switches
- d) Item a) through item c) used in fuse enclosure packages
- e) Fuse supports, fuseholders, fuse hooks, fuse units, and refill units, of the type intended for use with power class fuses and fuse disconnecting switches
- f) Disconnecting devices created by the use of a removable switch blade in a power class fuse support
- g) Fuse links when used exclusively with power class fuses and fuse disconnecting switches.

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

5.4 Purpose: Standard specifications for the devices covered by this document are necessary to assure consistent development and application of these devices by manufacturers and users of these devices.

5.5 Need for the Project: This standard is a revision of ANSI C37.46-2000, to bring it up to date and in line with present day requirements for high-voltage expulsion and current-limiting power class fuses, fuse links and fuse disconnecting switches. This

standard was previously developed by the NEMA High Voltage Fuse Technical Committee. As of 2003 the responsibility for this standard has been transferred to the IEEE High-Voltage fuse sub-committee. Liaison will be maintained with the International Electrotechnical Commission (IEC) during the development of the revisions in order to incorporate the latest thinking up to the time of publication.

5.6 Stakeholders for the Standard: Power fuse users and producers and associated manufacturers

Intellectual Property

6.1.a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR prior to the PAR submittal to the IEEE-SA Standards Board?: Yes

If yes, state date: 16-Oct-2008

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

6.1.c. 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 International Activities

a. Adoption

Is there potential for this standard (in part or in whole) to be adopted by another national, regional or international organization?: No

b. Joint Development

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

c. Harmonization

Are you aware of another organization that may be interested in portions of this document in their standardization development efforts?: No

8.1 Additional Explanatory Notes (Item Number and Explanation): NesCom note - revision of an existing document transferred from NEMA to IEEE in 2003.