

# PC62.34

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**Type of Project:** Modify Existing Approved PAR

**PAR Request Date:** 23-Oct-2009

**PAR Approval Date:** 05-Feb-2010

**PAR Expiration Date:** 31-Dec-2012

**Status:** Modification to a Previously Approved PAR for the Revision of a Standard

**Root PAR:** PC62.34 **Approved on:** 06-Dec-2006

**Project Record:** PC62.34

**Root Project:** C62.34-1996

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**1.1 Project Number:** PC62.34

**1.2 Type of Document:** Standard

**1.3 Life Cycle:** Full Use

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**2.1 Title:** Standard for Test Methods and Performance of Low-Voltage (1000 V rms or less) Surge Protective Devices Used on Secondary Distribution Systems (Between the Transformer Low-Voltage Terminals and the Line Side of the Service Entrance Equipment)

**Old Title:** Standard for Test Methods and Performance of Low-Voltage (1000 V rms or less, 48-62 Hz) Surge Protective Devices (Secondary Arresters)

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**3.1 Working Group:** 3.6.9 Performance Standard for LV Surge-Protective Devices (Secondary Arresters) WG (PE/SPDLV/LV3.6.9)

**Contact Information for Working Group Chair**

**Name:** Raymond Hill

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**Phone:** 404-675-1881

**Contact Information for Working Group Vice-Chair**

None

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**3.2 Sponsoring Society and Committee:** IEEE Power and Energy Society/Surge Protective Devices/Low Voltage (PE/SPDLV)

**Contact Information for Sponsor Chair**

**Name:** Kenneth Brown

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**Contact Information for Standards Representative**

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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:** 07/2010

**4.3 Projected Completion Date for Submittal to RevCom:** 10/2010

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**5.1 Approximate number of people expected to be actively involved in the development of this project:** 15

**5.2 Scope:** This standard applies to surge protective devices designed for application on the low-voltage supply mains (1000 V rms and less, frequency between 48 and 62 Hz) and intended to be connected at locations between, and including, the secondary terminals of the distribution transformer and the line side of the service entrance equipment. Such surge protective devices are also known as secondary arresters. This is coordinated with C62.44 (the application guide), NEC Article 285, and ANSI/UL 1449-2006.

**Old Scope:** This standard applies to surge protective devices designed for application on the low-voltage supply mains (1000 V rms and less, frequency between 48 and 62 Hz) and intended to be connected at locations between, and including, the secondary terminals of the distribution transformer and the line side of the service entrance panel. Such surge protective devices are also known as secondary arresters. This is coordinated with C62.44 (the application guide), NEC Article 580, and UL 1449 3rd Edition.

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

**5.4 Purpose:** The document will not include a purpose clause.

**Old Purpose:** This revision will bring C62.34 up to current industry practice. Other standards such as C62.44 (the application

guide) will be used in the revision of this standard. The recently published UL 1449 3rd Edition and NEC Article 580 will affect how these products are applied and tested. Performance criteria along with failure mode and other tests will be considered and included.

**5.5 Need for the Project:** There currently are no other test and performance standards for secondary arresters. This standard, when brought up to date, will provide industry and the consumer with a modern set of test methods and performance criteria for secondary arresters.

**5.6 Stakeholders for the Standard:** Stakeholders for this standard are electric utility engineers/designers, manufacturers of secondary arresters, and ultimately, the consumer who will benefit from properly designed and tested secondary arrester. The consumer, in this case, will be residential customeres, business customers, industrial customers, and electric utilities.

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### **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

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

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**8.1 Additional Explanatory Notes (Item Number and Explanation):** The title has been changed to fall in line with its companion document C62.44 the application guide.

The scope was changed to maintain the same wording with its companion document C62.44 the application guide and to correct two references.

The purpose was changed to correct two references.

PC 62.44 Draft Guide For Application Of Low-Voltage (1000 Volts (rms) Or Less) Surge Protective Devices (Secondary Arresters) Used On Secondary Distribution Systems (Between The Transformer Low-Voltage Terminals And The Line Side Of The Service Entrance Equipment);

ANSI/UL 1449-2006 Standard for Surge Protective Devices;

NEC Article 285: National Electrical Code Article 285 Installing Surge Protective Devices