

March 18, 2011

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SUBJECT 2748

OUTLINE OF INVESTIGATION

FOR

ARCING FAULT MITIGATION EQUIPMENT

ISSUE NO: 1

March 18, 2011

Summary of Topics

This is the first issue of the Outline of Investigation for Arcing Fault Mitigation Equipment. These requirements cover devices intended to mitigate arcing faults by creating a lower impedance current path, located within a controlled compartment, to cause the arcing fault to transfer to the new current path.

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INTRODUCTION

1 Scope

1.1 These requirements cover devices intended to mitigate arcing faults by creating a lower impedance current path, located within a controlled compartment, to cause the arcing fault to transfer to the new current path.

1.2 These requirements cover equipment that may either be completely enclosed units or intended to be installed within power distribution equipment.

1.3 These requirements cover equipment rated 600 V ac or less nominal, 635 V ac maximum.

2 Components

2.1 Except as indicated in 2.2, a component of a product covered by this outline shall comply with the requirements for that component.

2.2 A component is not required to comply with a specific requirement that:

- a) Involves a feature or characteristic not required in the application of the component in the product covered by this outline; or
- b) Is superseded by a requirement in this outline.

2.3 A component shall be used in accordance with its rating established for the intended conditions of use.

2.4 Specific components are incomplete in construction features or restricted in performance capabilities. Such components are intended for use only under limited conditions, such as certain temperatures not exceeding specified limits, and shall be used only under those specific conditions.

3 Units of Measurement

3.1 Values stated without parentheses are the requirement. Values in parentheses are explanatory or approximate information.