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UL 347D

**Outline of Investigation for Medium Voltage Stator Switching Assemblies
for Wind Applications, Up to 15KV**

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Summary of Topics

This First Issue of the Outline of Investigation for Medium Voltage Stator Switching Assemblies for Wind Applications, Up to 15KV, UL 347DC, covers requirements for stator switching assemblies for wind applications.

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INTRODUCTION

1 Scope

1.1 General

1.1.1 These requirements cover equipment having ac voltage ratings above 1500 V, up to 15 kV, that incorporates switching elements intended for making and breaking the stator circuit of wind turbines investigated to the Standard for Safety for Wind Turbines Permitting Entry of Personnel, UL 6141.

1.1.2 The requirements do not cover variable speed motor controllers (power conversion equipment).

1.1.3 These requirements cover equipment intended for use in ordinary locations in accordance with the National Electrical Code.

1.1.4 These requirements do not cover equipment intended for starting, stopping, regulating, controlling or protecting electric motors or other electrical loads including refrigeration equipment. Such equipment is covered by the requirements the Standard for Medium-Voltage AC Contactors, Controllers, and Control Centers, UL 347.

1.1.5 These requirements are not intended to replace the requirements of IEEE 1547.1, Standard Conformance Test Procedures for Equipment Interconnecting Distributed Resources with Electric Power Systems. When this equipment is used as part of an interconnected system, it is anticipated that the entire system will be investigated to the requirements of IEEE 1547.1 as appropriate.

1.2 Normative references, component standards, and general requirements

1.2.1 Products covered by this outline shall comply with the reference installation codes and standards noted in Annex A of UL 347.

1.2.2 Where noted in this Outline, requirements specified in the Standard for Medium-Voltage AC Contactors, Controllers, and Control Centers, UL 347, sixth edition, apply to these products.

1.2.3 For undated references to standards, such reference shall be considered to refer to the latest edition and all revisions to that edition up to the time when the standard was approved. For dated references to standards, such reference shall be considered to refer to the dated edition and all revisions published to that edition up to the time the standard was approved.

1.2.4 Components utilized in the products covered by this outline shall comply with the appropriate standards for these components and shall be used in accordance with their recognized ratings and other limitations of use. Annex D of UL 347 provides a partial listing of standards applicable to components typically used in this equipment.

1.2.5 A component need not comply with a specific requirement that:

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