

Subject 507

September 14, 2018

SUMMARY OF TOPICS

The following changes in requirements to the Standard for Electric Fans, UL 507, are being proposed:

- 1. Addition of New Reference Standard UL 62368-1 for Power Supplies, Battery Chargers and Communication Accessory***
- 2. Addition of New Reference Standard UL 510A for Insulating Tape***
- 3. Remove the Reference to UL 244A and UL 873***
- 4. Addition of Static Load Test for Ceiling Insert Fans with Tab Mounting Means***
- 5. Revision of Ceiling Fan Blade Edge Requirements***

COMMENTS DUE: October 15, 2018

For your convenience in review, proposed additions to existing requirements are shown underlined and proposed deletions are shown ~~lined-out~~.

1. Addition of New Reference Standard UL 62368-1 for Power Supplies, Battery Chargers and Communication Accessory

RATIONALE

Proposal submitted by: Nick Lee and Steve Kuscsik, UL LLC

This proposal is intended to provide the option for the Standard for Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements, UL 62368-1, which can be used to evaluate power supplies (Cl. 6.8), battery chargers (Cl. 217.1) and communication accessories (Cl. SA2 and Cl. SA5) of fans products.

UL is proceeding with the industry transition from UL 60950-1 to UL 62368-1. Both standards have equivalent requirements for the investigation of components/accessories mentioned as above.

PROPOSAL

6.8.1 A Class 2 power supply shall comply with one of the following:

- a) Standard for Class 2 Power Units, UL 1310; ~~or~~
- b) Standard for Information Technology Equipment – Safety – Part 1: General Requirements, UL 60950-1, ~~with an output marked "Class 2", or~~ that complies with the limited power source (LPS) requirements and is marked "LPS"; ~~or~~

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c) Standard for Audio/Video, Information and Communication Technology Equipment – Part 1: Safety Requirements, UL 62368-1, that complies with the limited power source requirements (LPS) requirements and is marked "LPS".

6.8.2 A non-Class 2 power supply shall comply with one of the following:

a) Standard for Power Units Other Than Class 2, UL 1012; or

b) Standard for Information Technology Equipment – Safety – Part 1: General Requirements, UL 60950-1; or

c) Standard for Audio/Video, Information and Communication Technology Equipment – Part 1: Safety Requirements, UL 62368-1.

217.1 Battery chargers shall comply with the Standard for Class 2 Power Units, UL 1310, the Standard for Power Units Other Than Class 2, UL 1012, and the Standard for Information Technology Equipment – Safety – Part 1: General Requirements, UL 60950-1 marked "Class 2" or "LPS". Compliance with the Standard for Audio/Video, Information and Communication Technology Equipment – Part 1: Safety Requirements, UL 62368-1 fulfills the UL 60950-1 requirements.

SA2.1.4 With respect to SA2.1.1, a communication device that is not integral with the appliance control (e.g. on a separate printed wiring board) and complying with the Standard for Information Technology Equipment – Safety – Part 1: General Requirements, UL 60950-1, or the Standard for Audio/Video, Information and Communication Technology Equipment – Part 1: Safety Requirements, UL 62368-1, is considered to fulfill this requirement.

With respect to SA2.2.1, compliance with the separation of circuits requirements of the Standard for Automatic Electrical Controls – Part 1: General Requirements, UL 60730-1, ~~or~~ the Standard for Information Technology Equipment – Safety – Part 1: General Requirements, UL 60950-1, or the Standard for Audio/Video, Information and Communication Technology Equipment – Part 1: Safety Requirements, UL 62368-1, is considered to fulfill this requirement.

SA2.3.1 An external communication or display device, such as a router or monitor, provided as an accessory for use with the appliance, shall comply with the Standard for Information Technology Equipment – Safety – Part 1: General Requirements, UL 60950-1, or the Standard for Audio/Video, Information and Communication Technology Equipment – Part 1: Safety Requirements, UL 62368-1.

SA2.3.2 The power supply cord of an external communication or display device shall comply with this Standard, ~~or~~ the Standard for Information Technology Equipment – Safety – Part 1: General Requirements, UL 60950-1, or the Standard for Audio/Video, Information and Communication Technology Equipment – Part 1: Safety Requirements, UL 62368-1, except Types NISP-2, NISPE-2, NISPT-2 are not permitted.

SA2.4.1 External communication conductors and cables shall comply with the Standard for Information Technology Equipment – Safety – Part 1: General Requirements, UL 60950-1, or the Standard for Audio/Video, Information and Communication Technology Equipment – Part 1: Safety Requirements, UL 62368-1.