

Subject 1090

August 18, 2017

SUMMARY OF TOPICS

The following topics for the Standard for Electric Snow Movers, UL 1090, are being recirculated:

1. Proposed Addition Of Electrostatic Discharge Test Requirements To Determine If Potential Safety Hazards Exist During Operation

COMMENTS DUE: September 18, 2017

For your convenience in review, proposed additions to the previously proposed requirements dated May 26, 2017 are shown underlined and proposed deletions are shown ~~lined-out~~.

1. Proposed Addition Of Electrostatic Discharge Test Requirements To Determine If Potential Safety Hazards Exist During Operation

RATIONALE

Responses to comments have been posted within the UL 1090 Proposal Review Work Area dated May 26, 2017.

PROPOSAL

SA2.1 A battery-powered snow mover, shall comply with the requirements specified in the Standard for General Requirements for Battery-Powered Appliances, UL 2595, as applicable, and with the conditions and specifications as specified in Indent A of Indent Instructions, Annex D of UL 2595, and as specified in (a) – ~~(g)~~ (h). Items (a) – ~~(g)~~ (h) are in reference to the requirements in the main body of the standard.

a) The requirements in 5.4, 5.9, 5.11, 5.12, 5.15, 5.18, 5.19, 5.21 – 5.24, and Sections 7, 10, 11, 13 – 19, 26 – 29, 31– 34, 35, 37 – 40, 46 – 48, 51, 55 – 57, do not apply in their entirety.

b) The requirements in 1.1, 4.2 – 4.4, 4.14, 4.19, 4.20, 4.21, 5.2.1, 5.5.2, 5.17.3, 6.1.3, 6.3, 6.4.4 (b), 6.4.6, 8.5 (f), 12.2.2, 12.2.3, 12.3, 44.1, 44.3, 44.4, 45.1, 45.5 – 45.7, 50.2, 50.3, 53.7, 54.1.5(b) – 54.1.5(d), 54.1.6(a) and 54.1.6(b), do not apply.

c) For the requirements in Overcurrent Protection, Section 5.17, the overcurrent protection devices are specified in those cases where a fuse is used to comply with the requirements for Circuit Current Conditions in UL 2595.

d) The requirements in 20.4 and 20.5 as they relate to protective controls are applicable, unless a battery-operated snow mover complies with the requirements for safety critical functions. See SA2.2(f).

e) For the test in 42A.2, the appliance is operated at no-load until the appliance no longer operates due to the battery(ies) being discharged.

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e) ~~f)~~ The Resistance Impact Tests, Section 44.2 and Section 45.2 apply to a battery-operated snow mover, but the acceptance/compliance criteria of the Mechanical Strength Test in UL 2595 shall be applied.

f) ~~g)~~ For the requirements in 50.1 (c), the electrical rating in volts may be applied. Also see 6.2 in UL 2595.

g) ~~h)~~ In the application of the requirements in 53.4, the marking only applies to products operating at hazardous voltages and shall be marked to indicate that such servicing or cleaning is to be done with the battery removed or disconnected, or the equivalent.

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