

Standards Update Notification

UL 1005, 4th Edition dated July 2, 2002
with revisions June 25, 2010

Overview and Description of Changes

Impact Statement: A review of all Listing Reports is necessary to determine which products comply with the new/revised requirements and which products will require re-evaluation and test. **NOTE:** Effective immediately, this revised standard will be exclusively used for evaluation of new products unless the Applicant requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on the Effective Date of August 31, 2013 unless product is found to comply with the new/revised requirements.

Fees: So that production of your products bearing the Listing Mark will not be interrupted, at some point between 5 –10 months before the Effective Date, our Engineers will begin reviewing your Listing Report (s) for compliance with these new/revised requirements. Either the Listing Report (s) will be revised to show compliance or a Findings Letter will be prepared and sent to your attention along with a quote for necessary re-evaluation and testing. This initial review of your Listing Report (s) will be covered by a direct billing project that will require quoting as follows since construction and testing evaluation is required for one worse case model:

Construction review: 1-2 days

Testing: 3-7 days

Overview: Electric Flatirons which have been previously evaluated using UL 1005 are required to be evaluated to ANSI/UL 60335-1, 5th edition, Issued: October 31, 2011, Safety of Household and Similar Electrical Appliances, Part 1: General Requirements, and the standard ANSI/UL 60335-2-3, 5th edition, Issued: July 14, 2004, Rev. June 12, 2009, Safety of Household and Similar Electrical Appliances, Part 2: Particular Requirements for Electric Irons.

This is due to UL 1005 being withdrawn and replaced by 60335-1 and -2 standards which require additional evaluation to the following requirements of the 60335-1 and -2 series:

Marking and Instructions, Section 7

Protection against access to live parts, Section 8

Power Input and current Test, Section 10

Heating Test, Section 11

Leakage current and electric strength tests at operating temperatures, Section 13

Moisture Resistance Test, Section 15

Leakage Current and electric strength Tests, Section 16

Overload protection of transformers and associated circuits, Section 17

Abnormal operation, Section 19

Stability and mechanical hazards, Section 20

Construction, Section 22

Components, Section 24

Terminals for external conductors, Section 26

Clearances, Creepage Distances and solid insulation, Section 29

Resistance to heat and fire, Section 30

Specific details of the new/revised clauses of the standard are found in the table below.

Action Required:

Information – Please submit the following information to assist with determining compliance:

-Copy of updated instructions

-Model similarity and differences if more than one model to determine worse case model representation

Samples – Please submit the following representative sample of product constructions to assist with determining compliance:

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3-6 samples of worse case model (1 sample for construction review, 1 sample for normal operation testing, and 1-4 for abnormal testing if required)

Current Listings – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.

Description of New/Revised Technical Requirements

Clause	Verdict	Comment	NC#
7	Verify	Additional instructions related to water reservoirs and pressurized steam irons are defined in 7.12. <u>Action required:</u> Manufacturers are required to provide revised instructions manuals.	
8	Verify	The articulate probe specified in UL 60335-2-3 is the same probe used to determine compliance with accessible live parts in UL 1005. Electric irons found to comply with the accessibility requirements of UL 1005 are compliant with the accessibility requirements of UL 60335-2-3 <u>Action required:</u> None unless changes have been made to the appliance to bring it into compliance with UL 60335-1 and UL 60335-2-3.	
9		Products evaluated using UL 60335-2-3 are considered heating appliances. Therefore no additional testing or evaluation is necessary as Section 9 is not applicable.	
10	Test	Products previously evaluated for compliance with UL 1005 will need to be reexamined. <u>Action required:</u> Samples will need to be provided and the input test conducted to determine with Section 10. This test can be done in conjunction with the heating test	
11	Test	Products previously evaluated for compliance with UL 1005 will need to be subjected to heating test detailed in UL 60335-2-3 based on the need for testing at 1.15 times rated input power input. <u>Action required:</u> Samples will need to be provided and the heating test conducted to determine with Section 11.	
13	Test	Products previously evaluated for compliance with UL 1005 will need to be subjected to the dielectric voltage withstand testing after temperature testing. <u>Action required:</u> Samples will need to be provided and the dielectric conducted to determine with Section 13.	
14	Verify	Products evaluated to UL 1005 rated 250 V or less are anticipated to comply with the clearance requirements of Table 16. Transient overvoltage testing is not anticipated.	

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Clause	Verdict	Comment	NC#
		<u>Action required:</u> None.	
15	Test	Products evaluated to UL 1005 will need to be investigated for compliance with Section 15, Moisture Resistance. <u>Action required:</u> Samples will need to be provided to determine compliance.	
16	Test	Products previously evaluated for compliance with UL 1005 will need to be subjected to Leakage Current and Electric Strength testing. <u>Action required:</u> Samples will need to be provided to determine compliance with Section 16	
17	Verify	Irons employing transformers and their associated circuitry will need to be submitted for review and possible retesting. <u>Action required:</u> Irons employing transformers will need to be submitted for compliance determination.	
18		Electric Irons are not subjected to the Endurance requirements of this section. No action is necessary to determine compliance. <u>Action required:</u> None	
19	Verify	Irons employ electronic circuit will need to be examined to determine if additional testing is necessary. <u>Action required:</u> Appliances employing electric circuits that serve as safety circuits will need to be subjected to the testing detailed in Section 19. Manufacturers are requested to provide information concerning models which employ this technology to determine necessary testing.	
20	Test	Irons provided with a separate stand will need to be subjected to a 15° incline to determine compliance. <u>Action required:</u> Samples will need to be submitted for evaluation.	
21		Irons subjected to the mechanical abuse test of UL 1005 are considered to comply with the mechanical strength test specified in UL 60335-2-3. Constructions complying with UL 1005 are required to have much larger spacings than the required Creepage and Clearances detailed in UL 60335-2-3. <u>Action required:</u> None	
22	Verify	Irons will need to be submitted for review to the construction requirements of UL 60335-2-3. In general, it is anticipated that a large majority of irons will comply with these requirements. Based on constructions testing may be necessary to determine compliance with Clause 22.5 <u>Action required:</u> Manufacturers are requested to provide a sample for	

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Clause	Verdict	Comment	NC#
		review.	
23		It is anticipated Irons complying with UL 1005 will comply with the requirements of section 23. <u>Action required:</u> None	
24	Verify	Components employed in Electric irons shall comply with Annex DVC of UL 60335-1. These components are the same components required for compliance with UL 1005. Therefore, it is assumed that the majority of UL 1005 irons will comply with the component requirements. Switches that control steam or water emission will need to be examined and possibly tested for 50 000 cycles (24.1.3). <u>Action required:</u> A review of the present descriptive report is necessary to determine compliance. Manufacturers will be contacted concerning areas where compliance cannot be determined or where additional testing is necessary.	
25		Irons evaluated to UL 1005 cord flexing requirements are considered to comply with the cord flexing requirements of UL 60335-2-3. <u>Action required:</u> None	
26	Verify	Irons will need to be reviewed for compliance with requirements detailed in section 26. This review may be accomplished by a review of existing existing certification. Where compliance cannot be determined a sample may be necessary. <u>Action required:</u> This review may be accomplished by a review of existing certification. Where compliance cannot be determined a sample will be requested.	
27		Products complying with UL 1005 grounding requirements are considered compliant with the requirements of UL 60335-2-3. <u>Action required:</u> None	
28		Products complying with UL 1005 requirements are considered compliant with the requirements of UL 60335-2-3 <u>Action required:</u> None	
29	Verify	Irons rated 250 V or less complying with the Spacing requirements of UL 1005 are considered compliant with the requirements of UL 60335-2-3. <u>Action required:</u> For products rated 250 V or less no action is necessary. Products rated greater than 250 V are required to be submitted for evaluation.	
30	Verify	Irons previously evaluated to UL 1005 will need to be reviewed. UL 60335-2-3 requires enclosure and decorative parts to be evaluated to the specified flame test or have a minimum V-2 rating per UL 94. As an alternative, enclosure or decorative parts may be HB as long as the	

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Clause	Verdict	Comment	NC#
		product complies with the Alternate path requirements of UL 746C. <u>Action required:</u> A review of previously Listed UL 1005 electric irons is necessary to ensure compliance with the requirements of UL 60335-2-3.	
31		UL 1005 compliant irons are considered to compliant with this section. <u>Action required:</u> None.	
32		UL 1005 compliant irons are considered to compliant with this section. <u>Action required:</u> None.	
		CUSTOMERS PLEASE NOTE: This Table and column "Verdict" can be used by you to assist in determining how current or future production of the product is or will be in compliance with the new/revised requirements by the Effective Date.	