

Standard Information

Standard Number: UL 60065

Standard Name: Audio, Video and Similar Electronic Apparatus – Safety Requirements

Standard Edition and Issue Date: 8th Edition Dated September 30, 2015

Date of Previous Revision to Standard: 7th Edition Revised September 21, 2012

Effective Date of New/Revised Requirements

Effective Date (see Schedule below): **November 30, 2016**

Impact, Overview, Fees and Action Required

Impact Statement: A review of all Listing Reports is necessary to determine which products comply with new/revised requirements and which products will require re-evaluation. **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requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.

Overview of Changes: This new edition of UL 60065 is being issued to update requirements to those published in IEC 60065, eighth edition. Technical changes to the IEC Standard have been incorporated into the new edition of the UL Standard. National Differences from the Seventh Edition of UL 60065 were reviewed and updated in the new edition. Specific details of new/revised requirements are found in table below.

If the applicable requirements noted in the table are not described in your report(s), these requirements will need to be confirmed as met and added to your report(s) such as markings, instructions, test results, etc. (as required).

Schedule: So that production of products bearing Listing Marks will not be interrupted, the following schedule of **approximate** dates has been established to ensure Listing Reports are found compliant by Effective Date:

- March 30, 2016 = 8 Month Report Review – Intertek will review all Reports. Update if compliance is verified or issue Findings Letter/Quote for any re-evaluations needed
- May 31, 2016 = 6 Month Quote Cut-off – Quotes returned for necessary re-evaluations
- October 31, 2016 = 30 Day Warning – Client advised of all non-compliant Reports to be Suspended
- **November 30, 2016** = Effective Date – ATM Suspended for all non-compliant Reports





Fees: An initial review of Listing Report (s) will be covered by a direct billing project and will be invoiced at not more than \$1000 per report.

Client Action Required:

Information – To assist our Engineer with review of your Listing Reports, please submit technical information in response to the new/revised paragraphs noted in the attached or explain why these new/revised requirements do not apply to your product (s).

Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.

Description of New/Revised Technical Requirements

Clause	Verdict	Comment
3.3		<p><i>New Clause Added</i></p> <p>Constructions and components not specifically covered</p> <p>Where the equipment involves technologies, components and materials or methods of construction not specifically covered in this standard, the equipment shall provide safety measures not less than that generally afforded by this standard and the principles of safety contained herein.</p>
3.4		<p><i>New Clause Added</i></p> <p>DU Components and subassemblies that comply with IEC 62368-1/UL 62368-1</p> <p>Components and subassemblies that comply with IEC 62368-1/UL 62368-1 are acceptable as part of an apparatus covered by this standard without further evaluation other than to give consideration to the appropriate use of the component or subassembly in the end-product.</p>
5.2 c)		<p><i>New symbol for class II apparatus with functional earth. Additions to existing requirements are <u>underlined</u> below.</i></p> <p>DR DU Identification and supply ratings.</p> <p>Power supplies and adapters complying with the construction and test requirements of UL 1310, UL 60950-1 or UL 62368-1 are considered to fulfill the marking requirements of items a through i of this subclause.</p> <p>c) the symbol for <u>CLASS II</u> for apparatus without functional earth: , IEC 60417-5172 (2003-02)</p> <p><u>for CLASS II apparatus with functional earth: , IEC 60417-6092 (2011-10)</u></p>
5.2		All symbols placed on apparatus shall be explained in user manual
5.4 c)		<p><i>New symbols required for apparatus with user-replaceable coin/button batteries. Additions to existing requirements are <u>underlined</u> below.</i></p> <p>DU Caution marking</p> <p>The following markings shall be included as applicable:</p> <p><u>c) If an apparatus contains a USER-replaceable COIN/ BUTTON CELL BATTERY, the following:</u></p> <p><u>, ISO 7000-0434 (2004-01), or</u></p> <p><u>, combination of ISO 7000-0434 (2004-01) and ISO 7000-1641 (2004-01).</u></p> <p><u>This marking is not required where these batteries are not intended to be replaced or are only ACCESSIBLE after damaging the apparatus.</u></p>

Standards Update Notice (SUN)

Issued: January 5, 2016

Clause	Verdict	Comment
5.5	Info	DU Instructions
5.5.2 i)		<p><i>New required warning text for TV over 7kg</i></p> <p>i) The instructions for installation or use provided with non-floor standing televisions likely to be used in the home and weighing over 7 kg shall contain the following information or equivalent:</p> <div style="border: 1px solid black; padding: 10px;"> <p style="text-align: center;">WARNING</p> <p>Never place a television set in an unstable location. A television set may fall, causing serious personal injury or death. Many injuries, particularly to children, can be avoided by taking simple precautions such as:</p> <ul style="list-style-type: none"> – Using cabinets or stands recommended by the manufacturer of the television set. – Only using furniture that can safely support the television set. – Ensuring the television set is not overhanging the edge of the supporting furniture. – Not placing the television set on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television set to a suitable support. – Not placing the television set on cloth or other materials that may be located between the television set and supporting furniture. – Educating children about the dangers of climbing on furniture to reach the television set or its controls. <p>If your existing television set is being retained and relocated, the same considerations as above should be applied.</p> </div>
5.5.2 j)		<p><i>New required warning text for apparatus with user-replaceable coin/button batteries</i></p> <p>j) For apparatus containing a USER-replaceable COIN / BUTTON CELL BATTERY, the following text or equivalent:</p> <div style="border: 1px solid black; padding: 10px;"> <p style="text-align: center;">WARNING</p> <p style="text-align: center;">Do not ingest the battery, Chemical Burn Hazard</p> <p>(The remote control supplied with) This product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.</p> <p style="text-align: center;">Keep new and used batteries away from children.</p> <p style="text-align: center;">If the battery compartment does not close securely, stop using the product and keep it away from children.</p> <p style="text-align: center;">If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.</p> </div> <p>NOTE: The part between the brackets can be deleted if the battery is located in the apparatus instead of the remote control.</p> <p>This warning is not required where these batteries are not intended to be replaced or are only ACCESSIBLE after damaging the apparatus.</p>
6.3		<i>LEDs shall comply with IEC 62471 (low power LEDs exempted)</i>
12.7.1		<i>New requirements and tests for apparatus and remote controls accessible to children and containing coin/button batteries diameter 32mm or less</i>
Table 11 (In section 13.4)	Info	<i>Adds additional "Working Voltage" (adding 1250 – 63000 V); expanding the scope.</i>

Standards Update Notice (SUN)

Issued: January 5, 2016

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14.12		<p>DC Optocouplers</p> <p><i>UL 1950 and UL 60950 (previously considered to fulfill the construction and test requirements – now canceled) have both been removed and replaced by UL 62368-1. Additions to existing requirements are <u>underlined</u> and deletions are shown lined out below.</i></p> <p>Component power supplies and their optocouplers complying with the construction and test requirements of UL 1310, UL 1950, Third Edition, UL 60950, or UL 60950-1, or <u>UL 62368-1</u> are considered to fulfill the construction and test requirements of this sub-clause.</p> <p>Optocouplers shall comply with the requirements in UL 1577.</p> <p>Optocouplers bridging REINFORCED INSULATION shall comply with the applicable requirements for double protected optocouplers as specified in UL 1577.</p> <p>External CLEARANCES and CREEPAGE DISTANCES of optocouplers shall comply with 13.1.</p>
19.7		<p><i>New requirements and test methods for wall or ceiling mounting. Downward force test on mounted apparatus, perpendicular+pull+push force test on each point in mounting system and torque test to each threaded part of mounting means.</i></p>
		<p>CUSTOMERS PLEASE NOTE: This Table and column "Verdict" can be used in determining how your current or future production is or will be in compliance with new/revised requirements.</p>