



# Standards Update Notice

## Standard Information

**Standard Name:** Standard for Safety for Enclosures for Electrical Equipment, Environmental Considerations

**Standard Number:** UL 50E-2007(R2012) harmonized with CSA C22.2 No. 94.2-07

**Standard Edition and Issue Date:** UL 50E, 1<sup>st</sup> edition, Issued: September 4, 2007; CSA 94.2, 1<sup>st</sup> edition, Issued: September 4, 2007

**Date of Revisions:** April 27, 2012

**Date of Previous Revisions to Standard:** none

## Effective Date of New/Revised Requirements

**Effective Date:** September 4, 2015

## Impact, Fees, Overview, and Action Required

**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requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on the Effective Date of September 4, 2015 unless product is found to comply with the new/revised requirements.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:

**Construction review:** 1-2 days

**Testing:** 1-4 days

**Overview:** This revision of the Standard for Safety for Enclosures for Electrical Equipment, Environmental Considerations, UL 50E-2007(R2012) harmonized with CSA C22.2 No. 94.2-07

This revision to ANSI/UL 50E is being issued to update the UL approval date per a UL Standards reaffirmation of ANSI/UL 50E and CSA C22.2 No. 94.2-07 and to extend the effective date of Clauses 7.3.3.1, 7.3.5.1, 7.4.2.3, 7.4.2.4, 7.6.1, 7.6.2, 7.7.1, 8.13.3.1 – 8.13.3.4, 8.14.1 – 8.14.2.1, 8.15.1 – 8.15.2.2, 9.2.3, Figure 3, and Tables 2 and 5.

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:

-Installation manual

-Differences and similarities if more than one model to select worse case model representation

-Markings



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

Two samples of worse case model representation of complete enclosures;

Three specimens of for one model type gasket material; If more than one type of gasket material, each gasket needs to be evaluated.

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#
7.3.3.1	Verify	Type 2 and 3R enclosures shall have provisions for drainage. Drainage openings shall not be less than 3.2 mm in diameter (1/8 inch in diameter) or more than 6.4 mm in diameter (1/4 inch in diameter), unless baffled or provided with a drainage fitting.	
7.3.5.1	Verify	Type 1, 2, and 3R enclosures may be ventilated.	
7.4.2.3	Test	For non-metallic enclosures, other than Type 1, designed for or equipped with detachable threaded conduit hubs that are held in a circular opening, such as a single breakout or knockout, pre-punched openings, or user-punched (as specified in the manufacturer's instructions) openings, by means of a locknut or equivalent, shall withstand a Misalignment test in accordance with the requirements of 8.15 applied to any detachable hub installed in the enclosure	
7.4.2.4	Verify	In Canada, the requirements of 7.4.2.3 shall also apply to metallic enclosures, other than Type 1, with wall thickness less than 1.35 mm (0.05 in).	
7.6.1	Verify	Types 3, 3R, 3S, 5, 12, and 12K enclosures shall require the use of a tool to gain access to the equipment cavity or shall have provisions for locking. When the provision for locking is provided as an accessory: a) The accessory shall be shipped with the enclosure of which it is intended to be installed; and b) Both the accessory and the enclosure shall comply with clause 9.	
7.6.2	Verify	All closing hardware for Type 5, 12, and 12K enclosures shall be captive.	
7.7.1	Test	A gasket of elastomeric or thermoplastic material or a composition gasket utilizing an elastomeric material that is provided on a Type 2, 3, 3R, 3S, 4, 4X, 5, 6, 6P, 12, 12K, or 13 enclosure to meet the environmental construction and performance requirements of this standard shall comply with the Gasket tests of 8.13.2 and 8.13.3	
8.13.3.1 – 8.13.3.4	Test	Gasket Tests – Compression Test: Gaskets utilized in Type 2, 3, 3R, 3S, 4, 4X, 5, 6, 6P, 12, 12K, or 13 enclosure must be subjected to this test.	
8.14.1 – 8.14.2.1	Test	Rod Entry Test – Enclosures with ventilation are subjected to this test.	
8.15.1 – 8.15.2.2	Test	Misalignment Test – US and Canadian requirements are the same for non-metallic enclosures. Metal enclosures are required to be subjected to	



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Clause	Verdict	Comment	NC#
		this test for meeting Canadian requirements only.	
9.2.3	Verify	Ventilated Type 1, 2, or 3R enclosures in which the equipment to be installed is not known shall be marked to indicate the area in which live parts are to be installed.	
Table 2	Verify	Indicates all requires tests per enclosure type.	
Table 5	Verify	Indicates bending moment for misalignment test.	
Figure 3	Verify	Indicates specifications for test specimens	
		<b>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.</b>	