

STANDARD INFORMATION

Addendum 1: See updated Effective Date information below in red text

Standard Number: UL 61010 / CSA C22.2 No. 61010-1

Standard Name: Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use — Part 1: General Requirements

Standard Edition and Issue Date: 3rd Edition Dated May 11, 2012

Date of Revision: April 29, 2016

Date of Previous Revision of Standard: July 15, 2015

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **No action is required for currently certified products to maintain certification.**

This SUN is being presented to assist users of the standard to appreciate the significance of the changes made to the standard that will apply should the product described be modified after October 23, 2019

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: 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requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.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:

- Revisions to add annex DVE for permanently installed equipment
- Updated references for specialty protected equipment for protection against hazards from fluids

Specific details of new/revised requirements are found in table below.



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CLAUSE	VERDICT	COMMENT
		<p>Additions to existing requirements are <u>underlined</u> and deletions are shown lined out below.</p>
6	Info	Protection against electric shock
6.10	Info	Connection to the MAINS supply source and connections between parts of equipment
		PERMANENTLY CONNECTED EQUIPMENT
6.10.4DV.2		<p>Equipment intended for permanent connection to the MAINS shall meet the requirements of Annex DVD <u>DVE</u>.</p> <p><u>Open-type or enclosed-type equipment for permanent installation of the MAINS shall meet the requirements of Annex DVE.</u></p> <p>Conformity is checked as specified in Annex DVD <u>DVE</u>.</p>
11	Info	Protection against HAZARDS from fluids
11.6	Info	Specially protected equipment
11.6DV		<p>D2 Modification to 11.6 and the conformity statement by replacing with the following:</p> <p>If the equipment is RATED and marked by the manufacturer as conforming to one of the stated degrees of protection of IEC 60529 <u>UL 50E and CSA C22.2 No. 94.2</u>, it shall resist the entry of water to the extent specified.</p> <p>Conformity is checked by inspection and by subjecting the equipment to the appropriate treatment of IEC 60529 <u>UL 50E and CSA C22.2 No. 94.2</u>, after which the CLEARANCES and solid insulation shall pass the voltage tests of 6.8 (without humidity preconditioning) applicable to the type of insulation (see 6.7) and ACCESSIBLE parts shall not exceed the limits of 6.3.1.</p>
Annex DVE		<p><i>New annex added;</i></p> <p>Permanently installed equipment</p> <p>This annex contains requirements for permanently installed, open-type or closed-type equipment rated 1000 volts or less and intended for installation in accordance with the National Electric Code, ANSI/NFPA 70 and the Canadian Electric Code, C22.1 (see standard for details):</p> <p>DVE.1 General DVE.2 Safety terms</p>



DVE.3 Marking and documentation
DVE.4 Protection against electric shock
DVE.5 Resistance to mechanical stresses
DVE.6 Protection against the spread of fire
DVE.7 Equipment temperature limits and resistance to heat
DVE.8 Components and subassemblies

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.
