

## Standard Information

**Standard Number:** UL 60950-22

**Standard Name:** Standard for Information Technology Equipment – Safety – Part 22: Equipment to be Installed Outdoors,

**Standard Edition and Issue Date:** 2<sup>nd</sup> Edition Dated March 31, 2017

**Date of Revision:** March 31, 2017

**Date of Previous Revision of Standard:** 1<sup>st</sup> Edition Issued December 19, 2011

## Effective Date of New/Revised Requirements

**Effective Date:** July 31, 2018

## Impact, Overview, 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requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.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:** New and/or revised requirements for Mains supply connection, Protection for socket-outlet in outdoor locations, Resistance to corrosion (test procedure and compliance criteria), Protection from excessive dust (IP5X equipment and IP6X equipment) and Outdoor equipment containing valve regulated or vented batteries. 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).

### 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**Current Listings Not Active?** – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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
1.2	Info	Each installation may have particular requirements. Some examples are given in 4.2. In addition, requirements for protection of the OUTDOOR EQUIPMENT against the effects of direct lightning strikes are not covered by the standard. For information on this subject, see [D2] <u>IEC 62305-1 NFPA 780 or CAN/CSA-B72.</u>
2	Info	All references to IEC standards are replaced by equivalent CSA and UL bi-national standards
4.2.1 DC	Info	<u>As an alternative, components used to reduce the Overvoltage Category may comply with ANSI/IEEE C62.11, CSA Certification Notice No. 516, CSA C22.2 No. 1, or UL 1449. Suitability of the component for the application shall be determined for the intended installation. (For example, some devices are suitable for installation on the load side of the service entrance only, and some are suitable for use with cord-connected equipment only.)</u>
5 D1		<u>Additionally, OUTDOOR ENCLOSURES shall be classified and marked in accordance with UL 50 or UL 50E, or CAN/CSA C22.2 No. 94 or CAN/CSA C22.2 No. 94.2.</u>
7 D1	Info	<u>The applicable parts of the Canadian Electrical Code, Part I, CSA C22.1; Canadian Electrical Code, Part III, CSA C22.3; the National Electrical Code, NFPA 70; and the National Electrical Safety Code, ANSI/IEEE C2, shall apply as appropriate.</u>
8.2 DC	Info	<u>As an alternative, materials tested in accordance with the requirements and test procedures of UL 746C, Sections 25 (UV Exposure) and 57 (UV Light Exposure Test), or CAN/CSA-C22.2 No. 0.17, Clause 5.9, are considered equivalent and acceptable for this application.</u>
8.3.1 DC	Info	<u>NOTE: Enclosures made of the following materials are considered to comply with the outdoor corrosion requirements:</u> a) Copper, aluminum, or stainless steel; and b) Bronze or brass containing at least 80 percent copper.
8.5.1 DC	Info	<u>As an alternative, gasket materials tested in accordance with UL 157, or the gasket tests in CSA C22.2 No. 94.2/UL 50E, are considered acceptable for this application.</u>
9.1 DC	Info	<u>See Clause 5.</u>
9.3.1 D1	Info	<u>ENCLOSURE Types 3, 3X, 3S, 3SX, 4, 4X, 6, and 6P as described in CSA C22.2 No. 94.2/UL 50E are considered to comply with 9.3.2.</u> <u>ENCLOSURE Types 3, 3X, 3S, and 3SX as described in CSA C22.2 No. 94.2/UL 50E are considered to comply with 9.3.3.</u> Compliance is checked by inspection and, if necessary, by the relevant tests of [D1] <u>CSA C22.2 No. 94.2/UL 50E, or IEC 60529 or alternatively, by the tests of 9.3.2 or 9.3.3 using the acceptance conditions of IEC 60529:1989/AMD1:1999, Clause 5, 13.5.2 and 13.6.2.</u>
		<b>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.</b>