

## Standard Information

**Standard Number:** CSA C22.2 No. 42

**Standard Name:** General use receptacles, attachment plugs, and similar wiring devices

**Standard Edition and Issue Date:** 7<sup>th</sup> Edition Issued November 1, 2010

**Date of Revisions:** November 1, 2010 and November 1, 2013

**Date of Previous Revisions to Standard:** 6<sup>th</sup> Edition Revised May 26, 2009

## Effective Date of New/Revised Requirements

Effective Date (see Schedule below): **March 31, 2015**

## 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requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.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** (Specific details of new/revised requirements are found in table below):

- Additional requirements to adapters and current taps.
- Additional temperature testing requirements for receptacles with feed through wiring.
- Additional configurations added (midget locking, Marine ship to shore, and travel trailer).
- Additional weather-resistant "WR" rating added for receptacles intended for wet and damp locations.

**Schedule:** So that shipping of products with Listing Marks will not be interrupted, an **approximate** schedule has been established to ensure Listing Reports are found compliant by Effective Date:

- September 30, 2014 = 6 Month Report Review – Intertek will review all Reports. Update if compliance is verified or issue Findings Letter/Quote for any re-evaluations needed
- October 30, 2014 = 5 Month Quote Cut-off – Quotes returned for necessary re-evaluations
- February 27, 2015 = 30 Day Warning – Client advised of all non-compliant Reports to be Suspended
- **March 31, 2015** = 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	NC#
		<b>NOTE: Additions to existing requirements are underlined below.</b>	
5.4	Info	<b>Adapters and current taps</b>	
5.4.1.1		<b>Voltage rating of adapters</b> Except as permitted in Clause 5.4.1.2, adapters shall not allow connection between devices having different voltage ratings, <u>and use of an adapter with a single-voltage plug configuration converting to a different voltage outlet configuration shall not be permitted.</u>	
5.4.1.2		<u>An adapter with a given dual-voltage plug configuration (e.g., 125V/250 V) converting to an outlet rated for only one of those voltages (e.g., 125 V or 250 V) shall be acceptable.</u>	
5.4.2.1		<b>Current rating of adapters</b> <u>If the current rating of the adapter plug configuration is lower than the adapter outlet configuration, the device shall be marked in accordance with Clause 7.6.1. Refer to Clauses 5.4.2.2 and 5.4.2.3 for adapters with the plug rating higher than the adapter outlet rating.</u>	
5.4.2.2		<u>Except as permitted in Clause 5.4.2.3, if the current rating of the adapter plug configuration is higher than the adapter outlet configuration by a factor of more than 1.5, then the adapter shall incorporate an integral manual reset or non-replaceable overcurrent protection device rated or set at not more than the rating of the adapter outlet configuration and shall be marked in accordance with Clause 7.6.4.</u>	
5.4.2.3		<u>Adapters intended for RV and/or marine use only, where the current rating of the adapter plug configuration is higher than the adapter outlet configuration, are not required to be provided with an overcurrent device and shall be marked in accordance with Clauses 7.6.2 and 7.6.3.</u>	
7.5		<b>Marking of weather-resistant devices</b> <u>In addition to other required markings, weather-resistant receptacles shall be marked with the phrase WEATHER RESISTANT or the letters WR. The letters WR shall be at least 4.8 mm high. The marking shall be on the device where visible after installation with the cover plate secured.</u>	
7.6		<b>Marking of adapters</b> <u>In addition to other required markings, the following shall apply.</u>	
7.6.1		<u>If the adapter plug current rating is lower than the adapter outlet rating, the device shall be marked: "To prevent overload of the receptacle and branch circuit, connect load of _____ A max." or equivalent wording. The number to be inserted shall be the ampere rating of the adapter plug.</u>	
7.6.2		<u>Adapters intended for RV and/or marine use in accordance with Clause 5.4.2.3 shall be marked on the device: "For RV use only" and/or "For marine use only" or equivalent wording.</u>	
7.6.3		<u>Adapters intended for RV and/or marine use only in accordance with Clause 5.4.2.3, where the current rating of the adapter plug is higher than the adapter outlet, shall be provided with markings or instructions stating the following or equivalent: "Adapter must be used in conjunction with a circuit breaker located in the connected equipment and rated at XX AMP, where "XX" is the amperage rating of the connected equipment plug configuration."</u>	

# Standards Update Notice (SUN)

Issued: 9/5/2014

7.6.4		If the adapter incorporates an overcurrent device in accordance with Clause 5.4.2.2, the device shall be marked: "To prevent overload of the adapter, connect load of _____ A max." or equivalent wording. The number to be inserted shall be the ampere rating of the overcurrent device.	
8.9.2	Info	<b>Outlet devices and attachment plug terminals</b>	
8.9.2.7		For receptacles of configuration 5-15R or 6-15R intended for feed-through wiring and not represented by otherwise similar receptacles of configuration 5-20R, 5-20RA, 6-20R, or 6-20RA, the contact temperature and terminal temperature tests shall be conducted separately. These 15-A configuration receptacles shall be wired with 14 AWG solid or stranded copper building wire for the contact temperature test which shall be conducted at a current of 15 A. The same receptacles shall be rewired with 12 AWG solid or stranded copper building wire for the terminal temperature test	
8.9.2.8		For receptacles of configurations 5-15R and 6-15R not intended for feed-through wiring, the contact temperature and terminal temperature tests shall be combined. The receptacle shall be wired with 14 AWG solid or stranded copper building wire.	
8.9.2.9		When conducting the terminal temperature test on a receptacle provided with break-off tabs the test current shall pass through one break-off tab (the tab between the identified terminals of a 125 V receptacle) and a thermocouple affixed to the tab shall not indicate a temperature rise at the tab of more than 40°C.	
8.25	Info	<b>Receptacles intended for use with copper or aluminum conductors</b>	
8.25.2		Devices rated 15 A shall be tested for use with No. 12 AWG aluminum conductors, and devices rated 20 A shall be tested for use with No. 10 AWG aluminum conductors.	
		<b>CUSTOMERS PLEASE NOTE:</b> 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.	