

Standard Information

Standard Number: CSA C22.2 No. 141

Standard Name: Emergency lighting equipment

Standard Edition and Issue Date: 5th Edition Dated June 1, 2015

Date of Previous Revision to Standard: 4th Edition Reaffirmed 2015

Effective Date of New/Revised Requirements

Effective Date (see Schedule below): **January 1, 2017**

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requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.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: The changes, with respect to the previous edition of the standard, include revisions related pictograms, the use of power cords, centralized remote computerized system, and new marking requirements. 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 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:

- May 2, 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
- July 1, 2016 = 6 Month Quote Cut-off – Quotes returned for necessary re-evaluations
- December 1, 2016 = 30 Day Warning – Client advised of all non-compliant Reports to be Suspended
- **January 1, 2017** = 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
Annex B	Info	Performance of internally illuminated exit signs (pictograms)
B.5.1.2.2, 6.17		Added new requirements for exit signs with “Enhanced Visibility”. <i>Enhanced visibility</i> — signs exhibiting an increased luminance level when operating under power failure conditions.
B.3.7 B.5.1.2.3, B.5.1.5, B.5.1.6, B.6.2.1, B.6.2.3, 6.18		Added new requirements for flashing exit signs. <i>Flashing exit sign</i> — an exit sign with a periodical change of luminance level between a minimum (nonzero) and a higher level.
Figure B.1 (Note 4)		Added requirements for running man pictogram when a directional indicator is not included. 4) Without a directional indicator, the pictogram of the running man will be right direction only.
--	--	Revised requirements to test emergency lighting equipment at extreme ambient temperatures with respect to ratings.
4.3.4		<i>Additions to existing requirements are <u>underlined</u>.</i> Operation at extreme temperatures Equipment intended for continued operation at temperatures outside of temperatures specified in Clause 4.3.3.2 shall be subjected to special testing to show that it conforms to the intent of this Standard. <u>Performance tests shall be carried out at extreme ambient temperatures:</u> a) <u>5 °C below the minimum temperature; and</u> b) <u>5 °C above the maximum temperature as specified by the manufacturer.</u>
B.4.1		<i>Deletions are shown lined-out below</i> Test temperature conditions All testing shall be performed at an ambient temperature of 25 ± 5 °C. if the equipment is intended to be used within 10 °C to 40 °C. In addition, signs intended for continuing operation at temperatures different than normal ambient condition shall be tested at the minimum or maximum rated ambient temperature specified by the manufacturer.
4.4.6, 7.2.2		Added new requirements for equipment with auto-testing/auto-diagnostic features.



Standards Update Notice (SUN)

Issued: March 15, 2016

Clause	Verdict	Comment
5.4.1.2		Revised requirements to eliminate use of power supply cords in exit signs.
5.8.4		Added new insulation requirements for equipment connected to centralized remote computerized systems.
6.15		Added new marking requirements for emergency equipment having two input power sources.
6.16		Added new marking requirements for equipment with visual diagnostic status indicators.
		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.