



**CSA C22.2 No. 0:20**  
National Standard of Canada



# General requirements — Canadian Electrical Code, Part II



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# *National Standard of Canada*

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# Preface

This is the eleventh edition of CSA C22.2 No. 0, *General requirements — Canadian Electrical Code, Part II*. It supersedes the previous editions, published in 2010, 1991, 1982, 1975, 1960, 1956, 1950, 1941, 1936, and 1932.

Changes in this edition include the following:

- a) updates of definitions to align with *Canadian Electrical Code, Part I*;
- b) addition of an alternative method to spacing tables for high voltage equipment;
- c) removal of requirements on double-insulation;
- d) prohibition of asbestos;
- e) new reference to pressure vessels; and
- f) general editorial changes and clarifications of clauses.

The *Canadian Electrical Code* is a publication issued by CSA Group in several parts. Among these are *Part I*, which establishes safety standards for the installation and maintenance of electrical equipment, and *Part II*, which consists of safety standards governing the construction, testing, and marking of electrical equipment.

*Part II* Standards are prepared by Subcommittees that operate under the jurisdiction of Technical Committees, which in turn are responsible to the Strategic Steering Committee on Requirements for Electrical Safety. In the preparation of these Standards, the views of interested organizations are taken into account, i.e., regulatory authorities, industrial organizations, and representatives of general interests.

This Standard is considered suitable for use for conformity assessment within the stated scope of the Standard.

This Standard was prepared by the Subcommittee on General Requirements, CE Code, Part II, under the jurisdiction of the Technical Committee on General Requirements, CE Code, Part II and the Strategic Steering Committee on Requirements for Electrical Safety, and has been formally approved by the Technical Committee.

This Standard has been developed in compliance with Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

**Interpretations:** The Strategic Steering Committee on Requirements for Electrical Safety has provided the following direction for the interpretation of standards under its jurisdiction: “The literal text shall be used in judging compliance of products with the safety requirements of this Standard. When the literal text cannot be applied to the product, such as for new materials or construction, and when a relevant CSA committee interpretation has not already been published, CSA Group’s procedures for interpretation shall be followed to determine the intended safety principle.”

**Notes:**

- 1) *Use of the singular does not exclude the plural (and vice versa) when the sense allows.*
- 2) *Although the intended primary application of this Standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.*
- 3) *This Standard was developed by consensus, which is defined by CSA Policy governing standardization — Code of good practice for standardization as “substantial agreement. Consensus implies much more than a simple majority, but not necessarily unanimity”. It is consistent with this definition that a member may be included in the Technical Committee list and yet not be in full agreement with all clauses of this Standard.*

- 4) To submit a request for interpretation of this Standard, please send the following information to [inquiries@csagroup.org](mailto:inquiries@csagroup.org) and include “Request for interpretation” in the subject line:
- a) define the problem, making reference to the specific clause, and, where appropriate, include an illustrative sketch;
  - b) provide an explanation of circumstances surrounding the actual field condition; and
  - c) where possible, phrase the request in such a way that a specific “yes” or “no” answer will address the issue.

Committee interpretations are processed in accordance with the CSA Directives and guidelines governing standardization and are available on the Current Standards Activities page at [standardsactivities.csa.ca](http://standardsactivities.csa.ca).

- 5) This Standard is subject to review within five years from the date of publication. Suggestions for its improvement will be referred to the appropriate committee. To submit a proposal for change, please send the following information to [inquiries@csagroup.org](mailto:inquiries@csagroup.org) and include “Proposal for change” in the subject line:
- a) Standard designation (number);
  - b) relevant clause, table, and/or figure number;
  - c) wording of the proposed change; and
  - d) rationale for the change.

# CSA C22.2 No. 0:20

## **General requirements — Canadian Electrical Code, Part II**

### **1 Scope and object**

#### **1.1 Scope of this Standard**

This Standard specifies requirements pertaining to the following:

- a) definitions;
- b) construction;
- c) equipment complying with Standards;
- d) safety and protection;
- e) materials and quality of work;
- f) marking; and
- g) tests (of a general nature).

Such requirements are applicable to all individual Standards of the *Canadian Electrical Code, Part II* (see Clause [1.4](#)).

#### **1.2 Scope of the individual Standards of the *Canadian Electrical Code, Part II***

The individual Standards of the *Canadian Electrical Code, Part II*, provide definitions and specify construction, marking, and test requirements for a single class or closely allied group of electrical equipment.

#### **1.3 Objective of the *Canadian Electrical Code, Part II***

The objective of Standards issued as part of the *Canadian Electrical Code, Part II*, is to give consideration to the prevention of injury to persons and damage to property through proper design, good construction, and high quality of work. These safety Standards are intended to provide requirements for the design and construction of electrical equipment, primarily to address fire and electrical shock hazards and for use throughout Canada in conformity with the rules of the *Canadian Electrical Code, Part I*.

#### **1.4 Terminology**

In this Standard, “shall” is used to express a requirement, i.e., a provision that the user is obliged to satisfy in order to comply with the Standard; “should” is used to express a recommendation or that which is advised but not required; and “may” is used to express an option or that which is permissible within the limits of the Standard.

Notes accompanying clauses do not include requirements or alternative requirements; the purpose of a note accompanying a clause is to separate from the text explanatory or informative material.

Notes to tables and figures are considered part of the table or figure and may be written as requirements.