

**ELECTRICAL PROTECTION ACT**  
R-030-2015  
Registered with the Registrar of Regulations  
2015-10-23

**ELECTRICAL PROTECTION REGULATIONS, amendment**

The Commissioner, on the recommendation of the Minister, under section 22 of the *Electrical Protection Act* and every enabling power, makes the annexed amendment to the *Electrical Protection Regulations*, R.R.N.W.T. 1990, c.E-21.

1. **The *Electrical Protection Regulations*, R.R.N.W.T. 1990, c.E-21, are amended by these regulations.**
2. **Section 4 is amended by striking out "C22.1-12, Canadian Electrical Code, Part I (22nd Edition)" and substituting "C22.1-15, Canadian Electrical Code, Part I (23rd Edition)".**
3. **Schedule B is repealed and the annexed Schedule substituted.**
4. **These regulations come into force October 1, 2015.**

SCHEDULE

SCHEDULE B

AMENDMENTS TO CODE

**1. Section 0 is amended by repealing the definition of “Acceptable” and substituting the following:**

“Acceptable” means acceptable to the Chief Inspector or inspectors appointed under subsection 3(1) of the *Electrical Protection Act*.

**2. Section 0 is amended by repealing the definition of “Accredited certification organization” and substituting the following:**

**“Accredited certification organization” means an organization that has been accredited by the Standards Council of Canada, in accordance with specific criteria, procedures, and requirements, to operate, on a continuing basis, a certification program for electrical equipment and that is acceptable to the Chief Inspector.**

**3. Rule 6-104 is struck out and the following substituted:**

The number of consumer’s services of the same voltage and characteristics, terminating at any one supply service, run to, on, or in any building, shall not exceed six.

**4. Subrule 6-206(3) is struck out and the following substituted:**

(3) The service disconnecting means shall be permitted to be placed on the outside of the building or on a pole provided it is:

- (a) installed in the enclosure approved for the location or protected against the weather;
- (b) protected against mechanical damage if it is located less than 2 m above ground; and
- (c) not equipped with an overcurrent device.

**5. Subrule 6-208(2) is struck out and the following substituted:**

**(2) Notwithstanding Subrule (1), raceways or cables containing consumer’s service conductors 1.5 m or less in length, shall be permitted to enter the building for connection to a service box.**

**6. Subrule 8-102(3) is struck out and the following substituted:**

**(3) Notwithstanding Subrule (1), wiring for general-use branch circuits rated at not more than 120 V or 20 A in dwelling units, with the conductor length measured from the branch circuit overcurrent device to the furthest point of utilization in accordance with the values in Table 68, shall be acceptable.**

**7. The following two subrules are added after subrule 10-406(7):**

(8) Hydronic and potable water systems shall be bonded to the system grounding conductor by means of a conductor made of material permitted by Rule 10-802 for grounding conductors and shall be sized not smaller than

- (a) No. 6 AWG if of copper; or
- (b) No. 4 AWG if of aluminum.

(9) Fuel oil delivery systems shall be bonded to the system grounding conductor by means of a conductor made of material permitted by Rule 10-802 for grounding conductors and shall be sized not smaller than

- (a) No. 6 AWG if of copper; or
- (b) No. 4 AWG if of aluminum.

**8. Subrule 10-700(3) is struck out and the following substituted:**

- (3) A field-assembled grounding electrode shall consist of
- (a) a bare copper conductor not less than 6 m in length, sized in accordance with Table 43 and encased within the bottom 50 mm of a concrete foundation footing in direct contact with the earth at not less than 600 mm below finished grade;
  - (b) a bare copper conductor not less than 6 m in length, sized in accordance with Table 43 and directly buried in earth at least 600 mm below finished grade; or
  - (c) at least two metal pilings, of no less than 6 mm in thickness, spaced no less than 3 m apart and bonded together with a grounding conductor sized in accordance with Rule 10-812.

**9. The following is added after subrule 10-700(5):**

- (6) Notwithstanding item 10-700(2)(b), not less than two plate electrodes may be installed under the wooden pads of a building having a wooden pad foundation where:
- (a) a building is supported by a wooden pad foundation resting on ice rich clay soil;
  - (b) a geotechnical report outlining details of the soil condition has been submitted to an inspector and the geotechnical report is acceptable to the inspector; and
  - (c) the plate electrodes are spaced no less than 3 m apart and bonded together with a grounding conductor sized in accordance with Rule 10-812.