

Extracts from the National Fire Code of Canada – 1995 (includes June 2002 revisions)

Section 6.7 Emergency Power Systems and Unit Equipment for Emergency Lighting

6.7.1 General

6.7.1.1. Inspection, Testing and Maintenance

1) Except as provided in articles 6.7.1.2 to 6.7.1.5., emergency power systems shall be inspected, tested and maintained in conformance with CSA C282, "Electrical Power Supply for Buildings".

6.7.1.2. Notification

1) When an emergency power system or any part thereof is shut down, the *supervisory staff* shall be notified in conformance with Section 2.8.

6.7.1.3. Instructions

1) Where an emergency power system is installed, instructions shall be provided for switching on essential loads and for starting the generator when this is not done automatically.

6.7.1.4. Notification

1) Written records shall be maintained as required in CSA C282 "Emergency Electrical Power Supply for Buildings".

6.7.1.5. Supply of Fresh Fuel

1) Liquid fuel storage tanks shall be drained and refilled with fresh fuel at intervals not greater than 12 months (See Appendix A.)

6.7.1.6. Inspection of Equipment

- 1) Self-contained emergency lighting unit equipment shall be inspected at intervals not greater than one month to ensure that
 - a) Pilot lights are functioning and not obviously damaged or obstructed,
 - b) The terminal connections are clean, free of corrosion and lubricated when necessary,
 - c) The terminal clamps are clean and tight as per manufacturer's specifications, and
 - d) The battery surface is kept clean and dry.
- 2) Self-contained emergency lighting unit equipment shall be tested
 - a) At intervals not greater than one month to ensure that the emergency lights will function upon failure of the primary power supply, and
 - b) At intervals not greater than 12 months to ensure that the unit will provide emergency lighting for a duration equal to the design criterion under simulated power failure conditions.
- 3) After completion of the test required in Clause (2)(b), the charging conditions for voltage and current and the recovery period shall be tested to ensure that the charging system is functioning in accordance with the manufacturer's specifications.

6.7.1.7. Inspection of Emergency Lights

1) Except as provided in Article 6.7.1.6., emergency lights shall be inspected at intervals not greater than 12 months to ensure that they are functional.

Section 2.7 Safety to Life

2.7.3. Exit Lighting, Exit Signs and Emergency Lighting

2.7.3.1. Installation and Maintenance

- 1) *Exit* lighting, *exit* signs and emergency lighting shall be provided in *buildings* in conformance with the National Building Code of Canada 1995 (See Appendix A.)
- 2) *Exit* lighting and *exit* signs shall be illuminated during the time the *building* is occupied.
- 3) Emergency lighting shall be maintained in operating condition, in conformance with Section 6.7.