
BULLETIN 2008-001-EL

APRIL 07, 2008

CLARIFICATION OF APPLICATION OF SECTION 24 OF THE CE CODE, PART 1.

This Bulletin clarifies application of Section 24 of the CE Code.

Prior to the 2002 edition of the CE Code application of Section 24 was limited to the installation of electrical wiring and equipment within patient care areas of hospitals.

Scope of Section 24 had been expanded in the 19th and 20th editions of the CE Code - to cover such installations within patient care areas of all "**health care facilities**" (including hospitals). Respectively, definition of "hospital" had been deleted from Rule 24-002 "Special Terminology" and a new definition "**Health care facility**" had been added.

This change from "hospital(s)" to "health care facility(ies)" had been made throughout Section 24 and Appendix B, to harmonize Section 24 with the CAN/CSA-Z32.

CSA standard Z32 further subdivides health care facilities into three separate classes as follows:

Health care facility, Class A - a hospital, so designated by Canada or one of its Provinces or Territories, where patients are accommodated on the basis of medical need and are provided with continuing medical care and supporting diagnostic and therapeutic services;

Health care facility, Class B - a facility where residents, as a result of physical or mental disabilities, are unable to function independently and are accommodated due to a need for daily care by health care professionals;

Health care facility, Class C - a facility where ambulatory patients are accommodated on the basis of medical need and are provided with supportive, diagnostic, and treatment services.

Z32 provides a variety of examples of such health care facilities, and in addition to hospitals these examples include surgical, outpatient and doctor's clinics, dentist offices, psychiatric and rehabilitation facilities.

As a result of the changes to the Scope of Section 24 installations in many facilities that were previously not covered by Section 24 (Rules 24-100 to 24-114), which provide very specific (and very stringent) criteria for circuits, bonding, receptacles and other equipment.

Code users should note that the relevant Rules of Section 24 are intended to apply to the installation of electrical wiring and equipment within patient care areas of those types of health care facilities where a permanently or cord connected electro-medical equipment is used for the purpose of **intentional contact at a patient's skin surface or internally during the patient's treatment, diagnostics or monitoring.**

The City Electrician may require involvement of the Professional Electrical Engineer at the permit and installation stages in order to ascertain a specific class of a health care facility and conditions of use of the electro-medical equipment, and to supervise tests referenced in Appendix B Note on rules 24-104(1) and 24-112 of the CE Code.

The City Electrician may also grant a special permission to deviate from the applicable requirements of Section 24 of the CE Code for installation of electrical equipment within patient care areas of a particular health care facility. This latter condition may be considered when the Professional Electrical Engineer requests a special permission in accordance with Rule 2-030 and provides such request in conformance with the applicable criteria specified in the attachment to this Bulletin.

(original signed)

A.Z. Tsisserev, P.Eng.
ELECTRICAL SAFETY MANAGER,
CHIEF ELECTRICAL INSPECTOR AND
CITY ELECTRICIAN

Attachment



COMMUNITY SERVICES GROUP
Office of the Chief Building
Official

APPLICATION

For a permission to deviate from the requirements of Section 24 of the CE Code, Part I

Note: This application must be submitted with the application for an electrical permit and must be signed by a Professional Engineer who is registered in the Province of British Columbia as a member in good standing in the Association of Professional Engineers and Geoscientists.

The Chief Electrical Inspector and City Electrician
 453 West 12th Avenue
 Vancouver, BC
 V5Y 1V4

DATE (YY MM DD)

Dear Sir:

Re:

Address: _____
 Electrical Permit Application No.: _____
 Health Care Facility Type: _____

The undersigned requests a permission to deviate from the applicable requirements of Section 24 of the CE Code, Part I for installation of electrical equipment within patient care areas of the referenced health care facility.

The undersigned hereby gives assurances that although a permanently or cord connected electro-medical equipment is used for the purpose of intentional contact at a patient's skin surface, however there will clearly be no danger from use of this electro-medical equipment.

Signature: _____

Address: _____ (Affix PROFESSIONAL SEAL here)

Telephone: (____) _____

For office use only

Request for deviation is:

- Acceptable
- Acceptable (Subject to condition(s) noted below)
- Refused (For the reason(s) noted below)

 John McMahon
 Assistant Manager, Electrical Branch and
 Deputy City Electrician

DATE