



# SAFETY BULLETIN



Safety Bulletin Number: **0000035**

Issued **July 5, 2024** by **Ray Grant**, Provincial Chief Electrical Inspector,  
Department of Labour, Skills and Immigration

## **Adoption of the 2024 Canadian Electrical Code, Part 1- 26th Edition**

Effective July 2, 2024, the 2024 Canadian Electrical Code (CE Code), Part 1- 26th edition (CSA C22.1:24) will be adopted per the Electrical Code Regulations, which are made under the authority of Section 6 of the Electrical Installation and Inspection Act.

Compliance with the 2024 CE Code will be required for any electrical work, installation, or equipment within Nova Scotia and per any bulletins issued by this office or the electrical inspection authority.

To ensure uniformity in electrical inspections the code is adopted with no amendments.

Limited direction on new rules may be provided in this bulletin. Future bulletins may be issued from this office or the electrical inspection authorities to provide clarity and direction on how various rules are interpreted and should be reviewed by all users of the code.

Electrical work that started prior to July 2, 2024, may be inspected in accordance with the 2021 CE Code if an electrical permit was obtained for that electrical work, and where applicable, if the plans were accepted by the electrical inspection authority, prior to July 2, 2024.

Where electrical work starts, or plans are submitted on or after July 2, 2024, the design, review and inspections shall be per the 2024 CE Code regardless of when the permit was issued.

The electrical inspection authority reserves the right to determine whether electrical work was started on any installation prior to July 2, 2024.

As in previous editions where a change to a section or rule has been made from the previous code, the change is identified. In the 2024 CE Code changes are identified by a small triangle located in the left-hand margin.

The following are **brief summaries** of some changes in the 2024 CE Code.

Code users should review all changes identified in the code and incorporate them into their design and installations where appropriate.

Section 0 – *Object, scope and definitions*

- Voltage definitions have been modified for dc circuits.
- Extra-low voltage: 42.4 V dc replaced with 60 V dc
- Low voltage: 42.4 V dc replaced with 60 V dc
- High voltage: 1000 V dc replaced with 1500 V dc

Section 8 – *Circuit loading and demand factors*

- Electrical vehicle supply equipment loading calculations have been updated.
- Table 38 was deleted to further simplify the method.

Section 12 – *Wiring Methods*

- New rules for non-metallic jacketed cable added (12-500 to 12-524)

Section 18 – *Hazardous Locations*

- Several updates to sealing requirements throughout the section and annex.

Section 36 – *High-voltage installations*

- Updates to the special terminology for coupler (36-002)
- Added series of rules on High-voltage couplers (36-400 to 36-410)

Section 62 – *Fixed electric heating systems*

- Updates to the special terminology for heating device to include water heaters. (62-102)

Section 64 – *Renewable energy systems, energy production systems, and energy storage systems*

- Updates to the special terminology for energy storage system (64-002)
- Contains revisions for energy storage systems and renewable energy systems.
- Several updates to solar photovoltaic system requirements such as voltage, wiring methods, overcurrent protection for conductors, rapid shutdown, etc.

- New subsection has been added for the installation of energy storage systems at residential occupancies (64-1100).

*Section 66 – Amusement parks, midways, carnivals, film and TV sets, TV remote broadcasting locations, and travelling shows*

- New requirements for use of ground fault circuit interrupter for outdoor or in damp locations (66-400)

*Section 68 – Pools, tubs, and spas*

- Updates to the special terminology for conductive pool shell (68-050)
- Updated requirements for pools (68-058)
- New requirements for disconnecting means (68-072)

These changes are just a few of the high-level changes in the 2024 CE Code and only provides a brief description of the actual changes. They do not include, in some instances, further requirements or details specific to the code change.

To fully understand all the proposed changes in the 2024 CE Code, it is strongly recommended that all affected or interested parties sign up for a code seminar when offered.

As in the past, code seminars are typically offered by NS Power, Canadian Standards Association, Electricity Forum and Dalhousie University, starting after the code had been published.

Any questions regarding the CE Code portion of this bulletin may be forwarded to the:

Provincial Chief Electrical Inspector



## Contact us

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