



# QPS Evaluation Services Inc.

Testing, Certification and Field Evaluation Body  
Accredited in Canada, the USA and Internationally

Page 1 of 4

**March 21<sup>st</sup>, 2022**

## **Special Notice to Users of QPS Field Evaluation Services**

As a valued customer, we are providing you with advanced notice announcing the publication of a **new edition of CSA Model Code SPE1000-21**, containing new and revised requirements for the field evaluation and approval of electrical products and equipment.

### **Background**

The CSA Model Code SPE 1000 contains the technical requirements for the Field Evaluation of electrical products and equipment. The requirements of this Model Code are established by a committee of experts operating under the auspices of the Canadian Council on Electrical Safety (CACES) which is made up of all the Provincial and Territorial Chief Electrical Inspectors. Given the state of new technologies and the need to update the Model Code, CACES requested the SPE 1000 Committee to update existing requirements and develop new requirements for product categories for which no specific requirements existed. The above referenced new edition of SPE 1000 is the result of this undertaking.

### **Effective Date**

The requirements of the new edition of CSA Model Code SPE 1000-21 will be applied starting **May 2, 2022**.

### **Scope of Changes**

The list of changes made to the current edition of SPE 1000 is shown in the attached document.

### **Direction**

- No action is required by customers using QPS's Field Evaluation services.
- Commencing May 2<sup>nd</sup>, 2022, QPS will use the new requirements outlined in SPE 1000-21, for the field evaluation of electrical products and equipment.

If you have any questions please contact the QPS FE Inspector you currently interface with, or **Ron Pakalns at ext. 237**.



# QPS Evaluation Services Inc.

Testing, Certification and Field Evaluation Body  
Accredited in Canada, the USA and Internationally

## ATTACHMENT

CSA Model Code SPE1000-21 List of changes from the previous edition (2013)	
Clause	Change
Definitions	Complex Installation / Multiple interconnected System
4.0	Construction
4.1.1.1	Compliance with Standards
4.1.1.1.1	New Clause
4.1.1.1.2	New Clause
4.1.1.1.3	New Clause
4.1.1.1.4	New Clause
4.1.1.1.5	New Clause
4.1.1.1.6	New Clause
4.1.1.1.7	New Clause
4.1.1.2	Safety & Protection – New Clause
4.1.1.2.1	Relocated
4.1.1.2.2	Relocated
4.1.1.2.3	Relocated
4.1.1.2.4	Relocated
4.1.1.2.5	Relocated
4.1.1.3	Relocated
4.1.1.4	Relocated
4.2.5	Wall or Ceiling Mounted Equipment - Reworded
4.2.8.1	Reworded
4.2.8.2	Reworded
4.2.8.3	Service Equipment - New Clause
4.2.9	New Clause
4.2.10	New Clause
4.3.1.7	New Clause
4.4.6	Reworded
4.13	Current Carrying Parts – Relocated
4.13.1	Relocated
4.13.1.1	Relocated
4.13.1.2	Relocated
4.13.1.3	Relocated
4.13.1.4	Relocated
4.13.2	Ampacity of Wires & Cables – Reworded – New Requirements
4.13.2.1	New Clause
4.13.2.2	New Clause
4.13.2.3	New Clause
4.13.4	Electrical Insulation – Relocated
4.13.4.1	Relocated
4.13.4.2	Relocated
4.19.1	Reworded
4.25.1	Reworded-New Requirements
4.27	Reworded – New Requirement
4.32.3	High Voltage Transformers – New Clause



# QPS Evaluation Services Inc.

Testing, Certification and Field Evaluation Body  
Accredited in Canada, the USA and Internationally

4.32.3.1	New Clause
4.32.3.2	New Clause
4.32.3.3	New Clause
4.34	Additional Requirements For Wind Turbines
4.34.1	Reworded
4.34.2	Deleted
4.34.2.1	Deleted
4.34.2.2	Deleted
4.34.2.3	Deleted
4.34.3	Deleted
4.34.4	Deleted
4.34.4.1	Deleted
4.34.4.2	Deleted
4.34.4.3	Deleted
4.34.4.4	Deleted
4.34.5	Deleted
4.34.6	Deleted
4.34.6.1	Deleted
4.34.6.2	Deleted
4.34.6.3	Deleted
4.34.6.4	Deleted
4.34.6.5	Deleted
4.34.6.6	Deleted
4.34.6.7	Deleted
4.34.6.8	Deleted
4.34.7	Deleted
4.34.8	Deleted
4.34.9	Deleted
4.34.9.1	Deleted
4.34.9.2	Deleted
4.34.9.3	Deleted
4.34.9.4	Deleted
4.36	Additional Requirements for equipment incorporating lasers – New Clause
4.36.1	New Clause
4.36.2	New Clause
4.36.3	New Clause
4.37	Additional requirements for non-medical x-ray
4.37.1	New Clause
4.37.1.1	New Clause
4.37.1.2	New Clause
4.37.1.3.	New Clause
4.37.1.4	New Clause
4.37.2	Breaker & Disconnecting Means – New Clause
4.37.2.1	New Clause
4.37.2.2	New Clause
4.37.3	High Voltage Cables
4.37.3.1	New Clause



# QPS Evaluation Services Inc.

Testing, Certification and Field Evaluation Body  
Accredited in Canada, the USA and Internationally

4.38	Additional Requirements for Non -Medical Cosmetic & Hygiene Products – New Clause
4.38.1.1	New Clause
4.38.2	New Clause
4.38.2.1	New Clause
4.38.3	New Clause
4.38.4	New Clause
4.39	Additional Requirements for Non Residential Air Cleaners That Intentionally Produce Ozone – New Clause
4.39.1	New Clause
4.39.2	New Clause
4.40	Additional Requirements for Energy Storage Systems – New Clause
4.40.1	New Clause
5.1.1	Reworded
5.1.19	Reworded
5.1.21	New Marking Requirements – New Clause
5.1.22	New Marking Requirements – New Clause
5.5.6	New Marking Requirements – New Clause
5.6	Replaced - <u>Additional requirements for Complex Installations/Multiple Interconnected Systems</u>
5.6.1	Deleted
5.6.1.1	Deleted
5.6.1.2	Deleted
5.6.1.3	Deleted
5.6.2	Deleted
5.7	Marking Requirements For X-Ray Systems – New Clause
5.7.1	New Clause
5.7.2	New Clause
6.1	Tests – Reworded – New Clause
6.1.1.1	Dielectric – DC Voltage Added – New Clause
6.1.1.3	Reworded – New Clause
6.1.1.4	Deleted
6.1.1.4	Deleted
6.1.1.5	Deleted
6.1.2	Flame Test – Reworded – New Clause
6.1.3.1	Strain Relief – New Clause
6.2.5.1	Leakage Current – Reworded – New Clause
6.2.8	Wall or Ceiling Mount- New Clause
Table 18	New Table - Ampacity correction factors for multiple conductor groupings
Annex A	Deleted – Relocated
Annex B	Reworded to Annex A