

**2018 Canadian Electrical Code**  
**Rule 2-024 Use of approved equipment**

## PURPOSE

Industry has identified an issue with the approval requirements for Meter Mounted Transfer Equipment and the limitations in quantity of units permitted for Field Evaluation by SPE-1000.

## CODE REFERENCES

### Rule 2-024 Use of approved equipment

- 1) Electrical equipment used in electrical installations within the jurisdiction of the inspection department shall be approved and shall be of a kind or type and rating approved for the specific purpose for which it is to be employed.
- 2) Notwithstanding Subrule 1), equipment described in Rule 16-222 1) a) shall not be required to be approved.

### Electrical Code Regulation - Electrical systems equipment

**2(1)** If a code, standard or body of rules declared in force under the Act with respect to electrical systems requires approved equipment, that equipment must meet the requirements of this section.

**(2)** No person shall manufacture, install, sell or offer for sale any equipment related to electrical systems for use in Alberta unless the equipment has been

- (a) certified by a certification body in accordance with the certification body's terms of accreditation with the Standards Council of Canada, or
- (b) inspected by an inspection body in accordance with the inspection body's terms of accreditation with the Standards Council of Canada.

**(3)** Subsection (2) does not apply to electrical equipment of an electric distribution system or a transmission line as defined in the *Hydro and Electric Energy Act*.

(Note: "certification body" is defined as 'an organization accredited by the Standards Council of Canada as a certification body;' and "inspection body" is defined as 'an organization accredited by the Standards Council of Canada as an inspection body.')

### SPE-1000

#### 1.2

The following are examples of where this Model Code applies:

- c) equipment sold in quantities of not more than 500 on a national basis, per model, per year, per inspection body;

Issue of this STANDATA is authorized by  
the Provincial Electrical Administrator

[Original Signed]

Clarence C. Cormier, P.Eng.

The logo for the province of Alberta, featuring the word "Alberta" in a stylized, cursive font with a small blue square at the end of the word.

## DISCUSSION

Rule 2-024 requires that electrical equipment be approved. Section 2 of the *Electrical Code Regulation* mandates the approval requirements: <https://open.alberta.ca/dataset/4d953ad0-bc89-41f1-aae4-6b92782ac601/resource/807d582d-4e44-4557-a7aa-0b00004c7957/download/330-leg-ecr-2-rev25.pdf>

There is seldom occasion where we cannot meet this requirement. Situations do exist however, where the requirement may be onerous or impracticable.

In the specific situation of Meter Mounted Transfer Equipment, there is no Canadian standard for evaluation of this equipment. A US standard, UL 1008M, does exist and inspection bodies are able to use this standard, in conjunction with SPE-1000, to approve this equipment for Canada.

Efforts are underway to develop a Tri-National standard for Canada, the US, and Mexico based on the published version of UL 1008M. Unfortunately, this may not be completed until 2021.

In the meantime, demand for these units in Canada is steadily increasing which exceeds the 500 unit limitation of SPE-1000-1.2(c).

An interim solution would be to accept certification of these devices to UL-1008M and SPE-1000, while striking the 500 unit limitation.

## VARIANCE

### **Rule 2-024 & SPE-1000**

Item 1.2(c) of the SPE-1000, which establishes a 500 unit limitation, shall not apply to Meter Mounted Transfer Equipment in Alberta until an applicable Canadian Standard has been published. The equipment shall otherwise meet the requirements of the SPE-1000 as well as UL 1008M.

Persons contemplating the use of meter mounted transfer equipment are advised to check with their local Supply Authority to ensure the proposed installation is acceptable.

This variance provides approximately equivalent or greater safety performance with respect to persons and property as that provided for by the Safety Codes Act.

This VARIANCE is applicable throughout the province of Alberta and remains in force until a Canadian standard for meter mounted transfer equipment is published.