

Commercial/Industrial Metering Installations

Distribution Company Awareness

The requirement for LDCs to have approved Commercial/Industrial meter installation plans, standard design drawings or standard design specifications when the equipment is owned by the LDC has been identified by ESA as a result of compliance audits conducted for Regulation 22/04.

Overview

Commercial/Industrial meter installations that are owned by the LDC and are located on the load side of the customer service box, (i.e. located beyond the ownership demarcation point) are electrical installations with electrical equipment which expose employees and other persons to potential electrical hazards. The following sections of Regulation 22/04 are applicable:

Section 2(4): states that Regulation 22/04 applies to revenue metering equipment and associated equipment, current transformers, voltage transformers and remote terminal units located beyond the ownership demarcation point;

Section 4: requires that electrical installations and electrical equipment meet the established safety standards;

Section 6: revenue billing meters, and instrument transformers are deemed to be approved if they have a Measurements Canada Approval number. However, LDC owned wiring within the meter cabinet which may be considered as “associated equipment” is required to meet the requirements of Regulation 22/04;

Section 7: requires that before beginning work on an electrical installation that is or may form part of a distribution system, a distributor shall ensure that the installation work is based on approved plans or standard design drawings or standard design specifications;

Section 8: requires that before putting a distribution system into use the construction must be inspected and approved in accordance with the Regulation.

ESA Direction

Commercial/Industrial meter installations owned by the LDC shall comply with all sections of Regulation 22/04, as outlined above. These installations shall be subject to the normal audit process conducted annually for Regulation 22/04 compliance.

ESA Recommends

- LDCs ensure that all equipment used in metering installations is approved.
- LDCs ensure that all metering installations are based on approved plans or standard design drawings or standard design specifications.
- LDCs ensure that before putting the distribution system into use that the installation is inspected and approved.