

### CANADIAN ELECTRICAL CODE

**SUBJECT: Section 80 - Cathodic Protection**

#### **Rule 80-004 Conductors**

Some types of conductors that have been used in the past are not listed in Table 19 as referenced in the rule. For D.C. circuits, conductors other than those listed in Table 19 will continue to be accepted.

#### **Rule 80-008 Branch Circuit**

Paragraph (c) requires that the branch circuit supplying a rectifier be supplied from a switch or circuit breaker capable of being locked in the on position. This requirement is intended to provide the owner of cathodic protection the ability to prevent inadvertent de-energization of the circuit as deemed necessary. Suitable devices attached to the handle of a circuit breaker designed to prevent the operation of the handle are considered acceptable.

The Rule only requires that there be provisions for locking capability. The owner of the equipment is responsible for deciding whether the switch or circuit breaker needs to be locked.

#### **Rule 80-009 Disconnecting Means**

A new Rule is being proposed to the Canadian Electrical Code Part I to read as follows:

- (1) A separate disconnecting means shall be installed within sight and within 9 m of a rectifier unit of a cathodic protection system.
- (2) A disconnecting means integral to the rectifier unit shall be permitted to serve as the disconnecting means required in Subrule (1) provided all components of the AC portion of the rectifier unit are made effectively inaccessible to unauthorized persons servicing the downstream components of the rectifier unit.

In anticipation of this proposal being approved, industry is encouraged to implement it at cathodic protection systems installations at their earliest convenience.

**Rule 80-012 Warning Signs and Drawings**

Care is required in all cases to ensure that equipment is not disconnected from protected structures while the system is energized. Please observe warning signs and consult drawings before working on cathodic protection installations.