

LEGISLATION

Electrical Code Regulation

SUBJECT: Section 2 - Electrical Systems Equipment

Definition

Rule 2-024 of the Canadian Electrical Code (CEC) requires that electrical equipment be approved. The CEC defines “approved” in Section 0.

In Alberta, section 2 of the *Electrical Code Regulation* prescribes the conditions for the use of equipment related to electrical systems and applies these requirements to the term “approved” as referenced in the Code. Section 2 of the *Electrical Code Regulation* reads as follows:

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 Standards Council of Canada, or

(b) inspected by a inspection body in accordance with the inspection body’s terms of accreditation with Standards Council of Canada

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







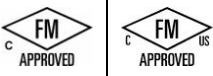
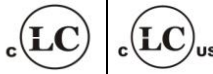




The regulation defines “certification body” and “inspection body” as follows:





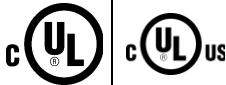

“certification body” means an organization accredited by the Standards Council of Canada as a certification body.


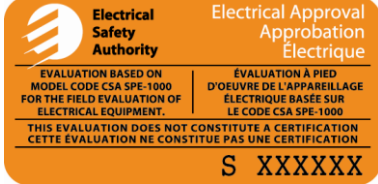
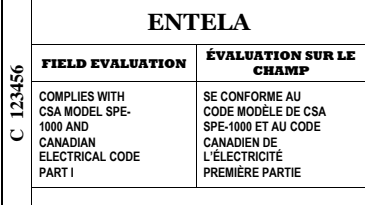

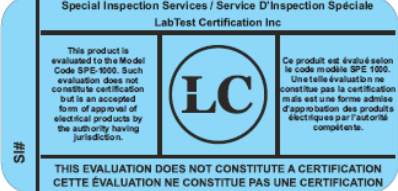







“inspection body” means an organization accredited by the Standards Council of Canada as an inspection body.

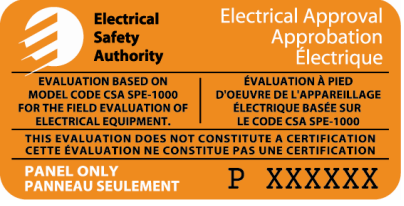
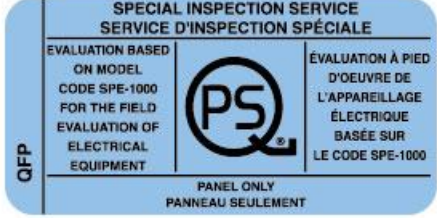
Products certified by an accredited certification body are approved; also, products deemed acceptable by an inspection body through a field evaluation process are also approved.

The tables on the following pages provide reference to Certification Bodies, Inspection Bodies and acceptable markings that would identify that a product is approved.

| Certification Body | Certification Marks | |
|------------------------------|---|---|
| CSA International |  | <p>The CSA certification mark alone without any identifier indicates products approved to Canadian National Standards. If another country's identifier is present (i.e., US, NRTL), then the small 'c' Canadian identifier is required to indicate that the product also complies with Canadian National Standards.</p> |
| |  | |
| |  | <p>The 'Blue Flame' certification mark is a Canada only mark indicating compliance to Canadian National Standards. They do not require a small 'c' Canadian identifier.</p> |
| Curtis-Straus LLC |  | <p>The Curtis-Straus LLC certification mark requires the small 'c' Canadian identifier at the 8 o'clock position to indicate compliance to Canadian National Standards.</p> |
| ETL Intertek Entela |  | <p>The ETL Intertek Entela certification mark requires the small 'c' Canadian identifier at the 8 o'clock position to indicate compliance to Canadian National Standards. Identifiers for other countries may be present but in all cases, the small 'c' is required.</p> |
| ETL Intertek Semko |  | <p>ETL Intertek Semko has 2 certification marks, the ETL mark and the WH mark. Each mark requires the small 'c' Canadian identifier to indicate compliance to Canadian National Standards. Identifiers for other countries may be present but in all cases, the small 'c' is required.</p> |
| FM Approvals |  | <p>The FM certification mark requires the small 'c' Canadian identifier to indicate compliance to Canadian National Standards. Identifiers for other countries may be present but in all cases, the small 'c' is required.</p> |
| LabTest Certification Inc. |  | <p>The Labtest Certification Inc. certification mark requires the small 'c' Canadian identifier to indicate compliance to Canadian National Standards. Identifiers for other countries may be present but in all cases, the small 'c' is required.</p> |
| Met Laboratories |  | <p>The MET certification mark requires the small 'c' Canadian identifier to indicate compliance to Canadian National Standards. Identifiers for other countries may be present but in all cases, the small 'c' is required.</p> |
| Nemko Canada Inc. |  | <p>The Nemko certification mark requires the small 'c' Canadian identifier to indicate compliance to Canadian National Standards.</p> |
| NSF International |  | <p>The NSF International certification mark requires the small 'c' Canadian identifier to indicate compliance to Canadian National Standards. Identifiers for other countries may be present but in all cases, the small 'c' is required.</p> |
| OMNI-Test Laboratories, Inc. |  | <p>The OMNI-Test Laboratories Inc. certification mark requires the small 'c' Canadian identifier to indicate compliance to Canadian National Standards. Identifiers for other countries may be present but in all cases, the small 'c' is required.</p> |

| Certification Body | Certification Marks | |
|---------------------------------------|--|--|
| Quality Auditing Institute |  | <p>The QAI certification mark requires the small 'c' Canadian identifier to indicate compliance to Canadian National Standards.</p> <p>Identifiers for other countries may be present but in all cases, the small 'c' is required.</p> |
| QPS Evaluation Services Inc. |  | <p>The QPS certification mark requires the small 'c' Canadian identifier to indicate compliance to Canadian National Standards.</p> <p>Identifiers for other countries may be present but in all cases, the small 'c' is required.</p> |
| TÜV Rheinland of North America |  | <p>The TÜV Rheinland certification mark requires the small 'c' Canadian identifier to indicate compliance to Canadian National Standards.</p> <p>Identifiers for other countries may be present but in all cases, the small 'c' is required.</p> |
| TÜV Product Service |  | <p>The TÜV Product Service certification mark requires the small 'c' Canadian identifier to indicate compliance to Canadian National Standards.</p> <p>Identifiers for other countries may be present but in all cases, the small 'c' is required.</p> |
| Underwriters Laboratories Inc. |  | <p>The UL certification mark requires the small 'c' Canadian identifier to indicate compliance to Canadian National Standards.</p> <p>Identifiers for other countries may be present but in all cases, the small 'c' is required.</p> |
| |  | <p>The ULC certification mark is a Canada only mark indicating compliance to Canadian National Standards. It does not require a small 'c' Canadian identifier.</p> |

| Inspection Body | Special Inspection Label | Inspection Body | Special Inspection Label |
|---|---|---|---|
| <p>CSA International</p> |  | <p>ESA- Electrical Safety Authority</p> |  |
| <p>ETL Intertek Entela</p> |  | <p>ETL Intertek Semko</p> |  |
| <p>Labtest Certification Inc.</p> |  | <p>Met Laboratories</p> |  |
| <p>NEMKO Canada Inc.</p> |  | <p>Quality Auditing Institute</p> |  |
| <p>QPS</p> |  | <p>TÜV America Inc.</p> |  |
| <p>TÜV Rheinland of North America Inc.</p> |  | <p>Underwriters Laboratories of Canada</p> |  |

| Inspection Body | Special Inspection Label Panel-Only* Markings | Inspection Body | Special Inspection Label Panel-Only* Markings |
|--|---|-------------------|--|
| <p>ESA- Electrical Safety Authority</p> |  <p>The image shows an orange rectangular label. On the left is the ESA logo (a stylized 'E' with three horizontal lines). To the right of the logo, the text reads: 'Electrical Safety Authority' and 'Electrical Approval Approbation Électrique'. Below this, there are two columns of text: 'EVALUATION BASED ON MODEL CODE CSA SPE-1000 FOR THE FIELD EVALUATION OF ELECTRICAL EQUIPMENT.' and 'ÉVALUATION À PIED D'ŒUVRE DE L'APPAREILLAGE ÉLECTRIQUE BASÉE SUR LE CODE CSA SPE-1000'. A disclaimer line reads: 'THIS EVALUATION DOES NOT CONSTITUTE A CERTIFICATION CETTE ÉVALUATION NE CONSTITUE PAS UNE CERTIFICATION'. At the bottom, it says 'PANEL ONLY PANNEAU SEULEMENT' followed by 'P XXXXXX'.</p> | <p>QPS</p> |  <p>The image shows a blue rectangular label. At the top, it reads 'SPECIAL INSPECTION SERVICE SERVICE D'INSPECTION SPÉCIALE'. Below this, there are two columns of text: 'EVALUATION BASED ON MODEL CODE SPE-1000 FOR THE FIELD EVALUATION OF ELECTRICAL EQUIPMENT' and 'ÉVALUATION À PIED D'ŒUVRE DE L'APPAREILLAGE ÉLECTRIQUE BASÉE SUR LE CODE SPE-1000'. In the center is a circular logo with 'PS' inside. To the left of the logo, the letters 'QPS' are written vertically. At the bottom, it says 'PANEL ONLY PANNEAU SEULEMENT'.</p> |

*Note: “Panel Only” label identifies that the panel has been evaluated to the SPE-1000. It does not cover equipment that is added or connected to the panel.

The following page is a contact list for certification and inspection bodies accredited by the Standards Council of Canada. For more details on these certification and inspection bodies scope of accreditation, visit the Standards Council of Canada web pages at:

http://www.scc.ca/en/programs/product_cert/accredited_clients.shtml

http://www.scc.ca/en/programs/inspec_bodies/accredited_clients.shtml

Alternatively, you can contact SCC at:

45 O'Connor Street, Suite 1200

OTTAWA, ON K1P 6N7

Tel: (613) 238-3222 Fax: (613) 995-4564

Email: info@scc.ca Web site: www.scc.ca

| ACCREDITED BODIES | | |
|---|---|--|
| | PRODUCT CERTIFICATION | SPECIAL INSPECTION |
| CSA International 178 Rexdale Boulevard TORONTO, ON M9W 1R3 Canada | Mr. Walter Vance, Manager Accreditations & Conformity Assessment Ph: (216) 524-4990 ~ Fax: (216) 328-8138 E-mail: walter.vance@csa-international.org Web site: http://www.csa-international.org/ | Mr. Walter Vance, Manager Accreditations & Conformity Assessment Ph: (216) 524-4990 ~ Fax: (216) 328-8138 E-mail: walter.vance@csa-international.org Web site: http://www.csa-international.org/ |
| Curtis-Straus LLC 527 Great Road LITTLETON, MA 01460 U.S.A. | Mr. Jon Curtis, Director Bureau Veritas Electrical and Electronic Product Services Ph: (978) 486-8880 ~ Fax: (978) 486-8828 E-mail: jon.curtis@us.bureauveritas.com Web Site : http://www.electrical.bureauveritas.com | N/A |
| Entela, Inc. 3033 Madison Avenue SE GRAND RAPIDS, MI 49548 U.S.A. | Mr. P. Moliski, Director of Accreditation Ph: (607) 753-6711 ~ Fax: (607) 756-6699 E-Mail: paul.moliski@intertek.com Web Site: http://www.entela.com | Mr. Vince Pietracupa, Electrical and SI Manager Ph: 604-528-8733 ~ Fax: 604-524-9186 E-mail: vince.pietracupa@intertek.com Website: http://www.intertek.com |
| Electrical Safety Authority Field Evaluation Services 1 Terence Matthews Cres. Suite 130 OTTAWA, ON K2M 2G3 Canada | N/A | Electrical Safety Authority Ph: 1-800-559-5356 ~ Fax: 1-800-559-5358 E-Mail: field.evaluation@electricalsafety.on.ca Web Site: http://www.esapa.biz/ |
| FM Approvals 1151 Boston-Providence Turnpike P.O. Box 9102 NORWOOD, MA 02062 U.S.A. | Mr. J. Hill Group Manager, Technical Auditing Services Ph: 781 - 255-4972 Fax: 781 - 762-9375 E-mail: john.hill@fmglobal.com Web Site: http://www.fmglobal.com | N/A |
| Intertek Testing Services NA Inc. 24 Groton Avenue CORTLAND, NY 13045-2014 U.S.A. | Mr. P. Moliski, Director of Accreditation Ph: (607) 753-6711 ~ Fax: (607) 756-6699 E-Mail: paul.moliski@intertek.com Web Site: http://www.intertek-etlsemko.com | Mr. Vince Pietracupa, Electrical and SI Manager Ph: 604-528-8733 ~ Fax: 604-524-9186 E-mail: vince.pietracupa@intertek.com Website: http://www.intertek.com |
| Labtest Certification Inc. 3133-20800 Westminster Highway RICHMOND, BC V6V 2W3 Canada | Mr. K. Dhillon, President Ph: (604) 247-0444 ~ Fax: (604) 247-0442 E-mail: kdhillon@labtestcert.com Web Site: http://www.labtestcert.com | Mr. K. Dhillon, President Ph: (604) 247-0444 ~ Fax: (604) 247-0442 E-mail: kdhillon@labtestcert.com Web Site: http://www.labtestcert.com |
| MET Laboratories, Inc. 914 West Patapsco Avenue BALTIMORE, MD 21230-3432 U.S.A. | Mr. Rick Cooper Ph: (410) 354-3300 ~ Fax: (410) 354-3313 E-Mail: rcooper@metlabs.com Web site: http://www.metlabs.com | Mr. Mike Baldwin Ph: 410 - 354-3300 ~ Fax: 410 - 354-3313 E-Mail: mbaldwin@metlabs.com Web Site: http://www.metlabs.com |
| Nemko Canada Inc. 303 River Road OTTAWA, ON K1V 1H2 Canada | Mr. K. Dowling P. Eng, Senior Technical Assessor Ph: 1-800-563-6336 Ph: (613) 737-9680 ~ Fax: (613) 737-9691 E-mail: ken.dowling@nemko.com Web Site : http://www.nemko.com | Mr. K. Dowling P. Eng, Senior Technical Assessor Ph: 1-800-563-6336 Ph: (613) 737-9680 ~ Fax: (613) 737-9691 E-mail: ken.dowling@nemko.com Web Site : http://www.nemko.com |
| NSF International 789 Dixboro Road ANN ARBOR, MI 48105 U.S.A. | Mr. Craig S. Morr, M.S., EMCF Corporate Quality & Organizational Safety Manager Ph: (734) 769-5143 ~ Fax: (734) 827-7182 E-mail : cmorr@nsf.org Web Site : http://www.nsf.org | N/A |

| ACCREDITED BODIES | | |
|---|--|--|
| | PRODUCT CERTIFICATION | SPECIAL INSPECTION |
| OMNI-Test Laboratories Inc. 5465-SW Western Avenue, Suite G, PO Box 743 BEAVERTON, OR 97075 U.S.A. | Ms. A. Smith, Accreditation Manager Ph: (503) 643-3788 ~ Fax: (503) 643-3799 E-mail: asmith@omni-test.com Web Site : http://www.omni-test.com | N/A |
| QPS Evaluation Services 8-81 Kelfield Street, TORONTO, ON M9W 5A3 Canada | Mr. N. Maalouf, Vice President Ph: 416 - 241-8857 ~ Fax: 416 - 241-0682 E-mail: nmaalouf@qps.ca Web Site: http://www.qps.ca | Mr. N. Maalouf, Vice President Ph: 416 - 241-8857 ~ Fax: 416 - 241-0682 E-mail: nmaalouf@qps.ca Web Site: http://www.qps.ca |
| Quality Auditing Institute 2825 Murray Street PORT MOODY, BC V3H 1X3 Canada | Mr. S. Harris, Manager Ph: (604) 461-8378 ~ Fax: (604) 461-8377 E-Mail: sharris@qai.org E-Mail: info@qai.org Web Site: http://www.qai.org | Mr. Ben Barker, Director of Engineering Ph: 604.461.8378 ext 224 ~ Fax: 604.461.8378 E-mail: bbarker@qai.org Web Site: www.qai.org |
| TÜV Product Service, a division of TÜV America Inc. 5 Cherry Hill Drive DANVERS, MA 01923 U.S.A. | Mr. G. Minks, Director Certification Body Ph: (978) 739-7000 ~ Fax: (978) 777-8441 E-Mail: gminks@tuvam.com Web Site: www.tuvamerica.com | Mr. G. Minks, Director, Certification Body Ph: 978 - 739-7021 ~ Fax: 978 - 762-8414 E-mail: gminks@tuvam.com Web Site: http://www.tuvamerica.com |
| TÜV Rheinland of North America, Inc. 12 Commerce Road NEWTOWN, CT 06470 U.S.A. | Mr. T. R. Calland, P.E., Program Manager Product Safety and Quality International Approvals Ph: (203) 426-0888 ~ Fax: (203) 426-4009 E-Mail: tcalland@us.tuv.com Web Site: http://www.us.tuv.com | Kenneth Kamer NRTL/SCC Program Manager Ph:(203)278-4853 ~Fax: (203)-426-4009 E-mail: kkamer@us.tuv.com Web Site: www.us.tuv.com |
| Underwriters Laboratories Inc. 333 Pflingsten Road NORTHBROOK, IL 60062-2096 U.S.A. | Mr. R. Titus, Manager Accreditation Services Ph: (847) 644-2381 ~ Fax: (847) 313-3281 Telex: 6502543343 E-Mail: Rick.A.Titus@us.ul.com Web Site: http://www.ul.com | N/A |
| Underwriters Laboratories of Canada 7 Underwriters Road TORONTO, ON MIR 3B4 Canada | Mr. Gunsimar Paintal, Regional Quality Manager & UL Mark Program Owner Ph: (416) 757-5250 ~ Fax: (416) 757-1781 E-Mail: gunsimarbir.paintal@ca.ul.com Web site: http://www.ulc.ca | Mr. Andrew Saunders, CAS Manager & IB Program Owner Ph: (416) 757-5250 ~ Fax: (416) 757-1781 E-Mail: andrew.saunders@ca.ul.com Web site: http://www.ulc.ca |