

## **2-024 - Use of Approved Equipment**

All electrical equipment shall be approved as per Rule 2-024 and Appendix B note with the exception as per Rule 16-222

### **Labels Required for Manufactured Homes and Movable Equipment wired under a Saskatchewan Electrical Permit**

Skids and movable equipment that have been wired off site shall have a suitable, weatherproof if required, label affixed to the electrical panel or skid. The label shall include the Saskatchewan Electrical Contractor's name, the permit number that was issued for the installation and the date.

Manufactured homes (Ready to Move Homes) shall have a label affixed to the electrical panel or the inside of the kitchen cabinet. The label shall include the Saskatchewan Electrical Contractor's name, the permit number that was issued for the installation and the date. If you require labels, please contact your local electrical inspector to make arrangements.

### **Equipment Approval Certification**




All electrical equipment requires an overall approval from a Saskatchewan recognized Certification Body prior to being sold, advertised, electrically connected or reconnected. This includes locally manufactured products, used or rebuilt equipment, solar powered generating units used for temporary construction power or lighting, and may also include Mobile Homes, and Ready To Move Homes (RTM). For a complete list of approved certification bodies and certification marks, please visit the website at [www.saskpower.com](http://www.saskpower.com).

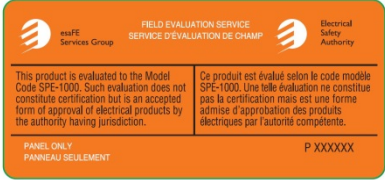


### **Field Inspection Certification**

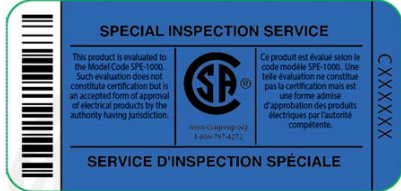

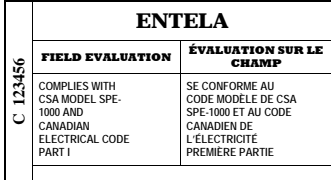

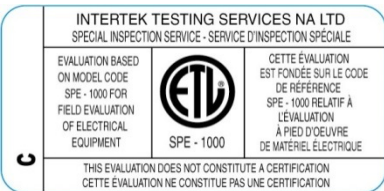

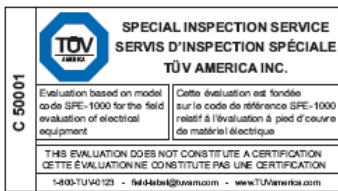

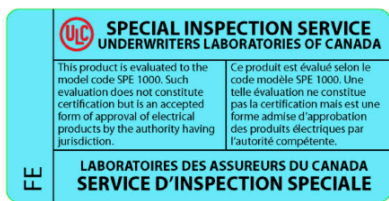

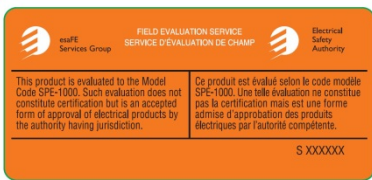

For a list of current recognized field certification labels for the Province of Saskatchewan, contact SaskPower Electrical Inspections at our Toll-Free number 1-888-757-6937, or visit us online at [www.saskpower.com](http://www.saskpower.com).




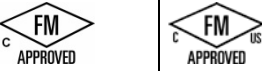


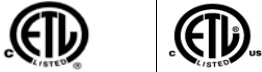
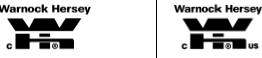
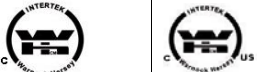


### **Field Inspection Reports**

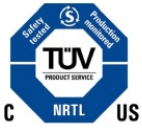






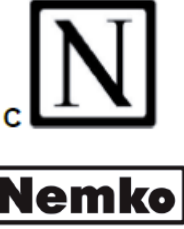

Field Inspection reports on skids or moveable equipment shall become part of the equipment and shall be made available on request. Report shall remain with the equipment.







Name of Field Inspection Agency	Special Inspection <u>Medical Equipment Label</u> All labels must read: “ <u>CSA SPE-3000</u> ”	Name of Field Inspection Agency	Special Inspection <u>Medical Equipment Label</u> All labels must read: “ <u>CSA-SPE-3000</u> ”
CSA Group		QPS	
<b>ELECTRICAL SAFETY AUTHORITY FIELD EVALUATION (ESAFE)</b>			

Name of Field Inspection Agency	Special Inspection <u>Panel Label</u> All labels must read: “ <u>CSA SPE-1000</u> ”	Name of Field Inspection Agency	Special Inspection <u>Panel Label</u> All labels must read: “ <u>CSA-SPE-1000</u> ”
<b>ELECTRICAL SAFETY AUTHORITY FIELD EVALUATION (ESAFE)</b>		CSA Group	
QPS			

Name of Field Inspection Agency	Special Inspection Product Label All labels must read: “CSA SPE-1000”	Name of Field Inspection Agency	Special Inspection Product Label All labels must read: “CSA-SPE-1000”
CSA Group		QPS	
ETL Intertek Entela		INTERTEK TESTING SERVICES	
ETL Intertek Semko		QAI Laboratories Ltd.	
TÜV America Inc.		TÜV Rheinland of North America, Inc.	
Underwriter's Laboratories of Canada		Nemko Canada Inc.	
ELECTRICAL SAFETY AUTHORITY FIELD EVALUATION (ESAFE)		LabTest Certification	

Name of Certification Body	<u>Certification Marks</u>	
CSA International		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.
		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.
QPS Evaluation Services Inc.		The QPS 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
FM Approvals		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.
Met Laboratories		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.
Intertek Testing Services NA Ltd. (ETL) (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> <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.</p> <p>Identifiers for other countries may be present but in all cases, the small 'c' is required.</p>
QAI Laboratories Ltd.		The QAI 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.
		The QAI <u>Hazardous Equipment field certification</u> will certify the equipment to the part 2 standard

Name of Certification Body	Certification Marks	
TÜV Product Service		<p>The TÜV Product Service 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>
TÜV Rheinland of North America		<p>The TÜV Rheinland 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>
Underwriter’s Laboratory		<p>The UL 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>
		<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>
		<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>
Curtis-Straus LLC		<p>The Curtis – Straus LLC 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>
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>
Nemko North America, Inc.		<p>The Nemko North America, 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>
OMNI Environmental Services Inc.**		<p>The OMNI Environmental 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>

Name of Certification Body	<u>Certification Marks</u>		
<b>LabTest Certification Inc.</b>			<p>The LabTest 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>
<b>ENEFEN Energy Efficiency Engineering Ltd.</b>			<p>The ENEFEN certification mark is a Canada only mark indicating compliance to Canadian National Standards. It does not require a small 'c' Canadian identifier.</p>
<b>SGS NORTH AMERICA, INC.</b>			<p>The SGS North America 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>
<b>ELECTRICAL SAFETY AUTHORITY Field Evaluation (ESAFE)</b>			<p>The ESAFE 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>

<u>Certification Body</u>		<b>SPECIAL/FIELD INSPECTION AGENCIES</b>
<p><b>CSA Group</b> 1707 94th Street NW Edmonton, Alberta T6N 1E6 Canada</p>	<p>General Queries – (780) 450-2111 Standard Sales &amp; Seminars - (780) 490-2007 1-800-463-6727 Fax: (780) 490-2059</p> <p>E-mail: <a href="mailto:info@csagroup.org">info@csagroup.org</a></p> <p>Website: <a href="http://www.csagroup.org">http://www.csagroup.org</a></p>	<p>Dora Vendrig SI Field Representative II Regina &amp; Saskatoon, SK Office Phone # (306) 882-3448 Cell Phone # (306) 301-0049 E-mail: <a href="mailto:dora.vendrig@csagroup.org">dora.vendrig@csagroup.org</a>.</p> <p>Jeff Tuttle Field Service Representative, Factory Inspections Saskatoon, SK Office Phone # (306) 882-3399 Cell Phone # (306) 716-2306 E-mail: <a href="mailto:jeff.tuttle@csagroup.org">jeff.tuttle@csagroup.org</a></p>
<p><b>CSA Group</b> 178 Rexdale Boulevard TORONTO, ON M9W 1R3 Canada</p>	<p>Mr. Stephen Morley, Senior Manager, Field Evaluations and Verifications (416) 747-4144 Fax: (416) 747-4149 E-mail: <a href="mailto:stephen.morley@csagroup.org">stephen.morley@csagroup.org</a> Website: <a href="http://www.csagroup.org">http://www.csagroup.org</a></p>	<p>See link for applicable marks:  <a href="http://www.csagroup.org/service/certification/north-american-field-evaluation-services/">http://www.csagroup.org/service/certification/north-american-field-evaluation-services/</a></p>
<p><b>QPS Evaluation Services Inc.</b> Units 7-10 81 Kelfield St. Toronto, ON M9W 5A3 Canada</p>	<p>P: 416-241-8857 F: 416-241-0682 1-877-746-4777 Website: <a href="http://www.qps.ca">http://www.qps.ca</a> E-mail: <a href="mailto:info@qps.ca">info@qps.ca</a></p>	<p>Performs field inspections <b>Testing Tech</b> #150-3919 Arthur Rose Avenue Saskatoon, SK S7P 0C8 P: 306-664-2415 F: 306-934-1004 E-mail: <a href="mailto:inspections@testing-tech.com">inspections@testing-tech.com</a></p>
<p><b>Intertek Testing Services NA Ltd. (ETL)</b> 1500 Brigantine Drive COQUITLAM, BC V3K 7C1</p>	<p><b>Mr. Heiko Neugebauer</b> <b>Inspections Body Program Manager</b> <b>Electrical Safety Manager</b> 12010 – 111 Ave. Edmonton, Alberta T5G 0E6 Phone: (604) 520-3321 Fax: (604) 524-9186 Toll-Free: (800) 668-8378 Sales: (778) 903-1180 E-mail: <a href="mailto:heiko.neugebauer@intertek.com">heiko.neugebauer@intertek.com</a> Website: <a href="http://www.intertek.com">http://www.intertek.com</a> <b>Hazardous Locations</b> Brian Whittle Edmonton, Alberta Office (780) 440-4455</p>	<p>Collin Sinclair Saskatoon, Saskatchewan Mobile: (306) 277-5484 1-800-668-8378 Website: <a href="http://www.intertek.com">http://www.intertek.com</a> E-mail: <a href="mailto:collin.sinclair@intertek.com">collin.sinclair@intertek.com</a></p> <p>Brad Helgason Regina, Saskatchewan Phone (306) 545-3551 Fax (306) 790-7267 Website: <a href="http://www.intertek.com">http://www.intertek.com</a> E-mail: <a href="mailto:brad.helgason@intertek.com">brad.helgason@intertek.com</a></p>
<p><b>FM Approvals</b> 1151 Boston Providence Turnpike; P.O. Box 9102 NORWOOD, MA. 02062 USA</p>	<p>Technical Auditing Services Ph: (781) 762-4300 Fax: (781) 762-9375 E-mail: <a href="mailto:information@fmaprovals.com">information@fmaprovals.com</a> E-mail: <a href="mailto:servicedeskglobal@fmglobal.com">servicedeskglobal@fmglobal.com</a> Website: <a href="http://www.fmglobal.com">http://www.fmglobal.com</a></p>	

<b><u>Certification Body</u></b>		<b>SPECIAL/FIELD INSPECTION AGENCIES</b>
<b>MET Laboratories, Inc.</b> 914 West Patapsco Avenue BALTIMORE, MD. 21230-3432 USA	Mr. R. Frier, President Ph: (410) 949-1805 Fax: (410) 354-3313 E-mail: <a href="mailto:rob.frier@metlabs.com">rob.frier@metlabs.com</a> Website: <a href="http://www.metlabs.com">http://www.metlabs.com</a>	
QAI Laboratories Ltd. 3980 North Fraser Way BURNABY, BC. V5J 5K5 Canada	Mr. Lawrence Gibson, Exec. V.P. Ph:604-527-8378 Fax: 604-461-8378 E-mail: <a href="mailto:Lgibson@qai.org">Lgibson@qai.org</a> E-mail: <a href="mailto:info@qai.org">info@qai.org</a> Website: <a href="http://www.Qai.org">www.Qai.org</a>	
<b>TÜV Product Service,            a division of TÜV            America Inc.</b> 5 Cherry Hill Drive DANVER, MA 01923 USA	Mr. G. Minks, Director Certification Body Ph: (978) 739-7000 Fax: (978) 777-8441 E-mail: <a href="mailto:gminks@tuvam.com">gminks@tuvam.com</a> Website: <a href="http://www.tuvamerica.com">www.tuvamerica.com</a>	Performs field inspections.
<b>TÜV Rheinland of North            America, Inc.</b> 12 Commerce Road NEWTOWN, CT 06470 USA	Mr. T. R. Calland, P.E., Program Manager Product Safety and Quality International Approvals Ph: (203) 426-0888 Fax: (203) 426-4009 E-mail: <a href="mailto:tcalland@us.tuv.com">tcalland@us.tuv.com</a> Website: <a href="http://www.us.tuv.com">http://www.us.tuv.com</a>	
<b>Underwriters'            Laboratories of Canada</b> 7 Underwriters Road TORONTO, ON M1R 3B4 Canada	Mr. Gunsimar Paintal Regional Quality Manager & UL Mark Program Owner Ph: (416) 757-5250 Fax: (416) 757-1781 E-mail: <a href="mailto:gunsimarbir.paintal@ca.ul.com">gunsimarbir.paintal@ca.ul.com</a> Website: <a href="http://www.ulc.ca">http://www.ulc.ca</a>	Mr. Andrew Saunders CAS Manager & IB Program Owner Ph: (416) 757-5250 Fax: (416) 757-1781 E-Mail: <a href="mailto:andrew.saunders@ca.ul.com">andrew.saunders@ca.ul.com</a> Website: <a href="http://www.ulc.ca">http://www.ulc.ca</a>
<b>CURTIS-STRAUS LLC</b> 527 Great Road Littleton, MA. 01460 USA	Mr. Jon D. Curtis, P.E. Director of Operations Ph: (978) 486-8880 Fax: (978) 486-3529 E-mail: <a href="mailto:jcurtis@curtis-straus.com">jcurtis@curtis-straus.com</a> Website: <a href="http://www.curtis-straus.com">http://www.curtis-straus.com</a>	
<b>NSF INTERNATIONAL</b> 789 Dixboro Road Ann Arbor, MI. 48105 USA	Mr. Craig S. Morr, CEI/CEM Q A & Organization Safety Manager Ph: (734) 769-5143 Telefax: (734) 827-6849 E-mail: <a href="mailto:information@nsf-isr.org">information@nsf-isr.org</a>	
<b>Nemko North America,            Inc.</b> 303 River Road, OTTAWA, ON. K1V 1H2 Canada	Mr. Stuart Beck Director of Certification Ph: (613) 737-9680, ex. 246 Fax: (613) 737-9691 E-mail: <a href="mailto:stuart.beck@nemko.com">stuart.beck@nemko.com</a> Website: <a href="http://www.nemko.com">http://www.nemko.com</a>	Performs field inspections



<u>Certification Body</u>		<b>SPECIAL/FIELD INSPECTION AGENCIES</b>
<b>OMNI-Test Laboratories, Inc.</b> 5465 SW Western Avenue Suite G Post Office Box 743 Beaverton, OR 97075 USA	Ms. Alana Smith Accreditation Manager Ph: (503) 643-3788 Fax: (503) 643-3799 E-mail: <a href="mailto:asmith@omni-test.com">asmith@omni-test.com</a> Website: <a href="http://www.omni-test.com">http://www.omni-test.com</a>	
<b>ELECTRICAL SAFETY AUTHORITY FIELD EVALUATION (ESAFE)</b> 4043 Carling Avenue, Suite 106 Ottawa Ontario, Canada, K2K 2A4	Jacques Martin Technical Manager Field Evaluation Services Ph: (613) 292-1372 E-mail: <a href="mailto:jacques.martin@electricalsafety.on.ca">jacques.martin@electricalsafety.on.ca</a>	Jacques Martin Technical Manager PH: (613) 292-1372 E-mail: <a href="mailto:Jacques.martin@electricalsafety.on.ca">Jacques.martin@electricalsafety.on.ca</a> URL: <a href="http://www.esafieldevaluation.ca">www.esafieldevaluation.ca</a> Application form (inspection): <a href="https://www.esafieldevaluation.ca/en/inspection-form/">https://www.esafieldevaluation.ca/en/inspection-form/</a>
<b>LabTest Certification Inc.</b> 205-8291 92 Street Delta, BC V4G 0A4	Toll Free: 1-855-346-0444 Tel: (604) 247-0444 Website: <a href="http://www.labtestcert.com">www.labtestcert.com</a> E-mail: <a href="mailto:info@labtestcert.com">info@labtestcert.com</a>	
<b>ENEFEN Energy Efficiency Engineering Ltd.</b> 9865 West Saanich Road, Suite 201, North Saanich, BC, V8L 5Y8, Canada	Tel: (780) 665-2863 Ext 17 Fax: 1-866-583-0520 E-mail: <a href="mailto:info@enefen.com">info@enefen.com</a>	Performs field inspections
<b>SGS NORTH AMERICA, INC.</b> 5825 Explorer Drive Mississauga Ont. L4W 5P6 Canada	Telephone: (905) 364-3771 Fax: (973) 575-7175	

## **2-024 - Use of Approved Equipment - Exceptions**

There may be occasions where certification standards do not exist to approve electrical equipment to. A deviation shall be applied for in accordance with Rule 2-030.

In the specific situation of liquid-filled transformers, certification organizations have yet to identify a demand for developing a product certification program around this particular electrical equipment. Consequently, certified liquid-filled transformers are not available.

## **Conditions**

Owners/users required to use liquid-filled transformers are permitted to deviate from Rule 2-024 of the Canadian Electrical Code provided they meet the following conditions:

### **1. a) Manufactured to Canadian Standards**

Liquid-filled transformers are acceptable when the manufacturer declares that they have manufactured, inspected and tested the transformer to the requirements of the appropriate and current Canadian standards. These standards include, but are not limited, to:

CAN/CSA-C2        Single Phase and Three Phase Distribution Transformers

CAN/CSA-C88       Power Transformers and Reactors

CAN/CSA-C227.3    Low Profile, Single Phase, Dead Front Pad-mounted, Distribution Transformers

CAN/CSA-C227.4   Three Phase, Dead Front Pad-mounted, Distribution Transformers

### **b) Manufactured to Other than Canadian Standards**

Where liquid-filled transformers are manufactured to other than Canadian standards, the manufacturer must declare that the product has equivalent safety performance as one manufactured to Canadian standards. Alternatively, a licensed engineering professional may evaluate and accept the product standard to which the liquid-filled transformer was manufactured if it compares favorably with the appropriate Canadian standards concerning safety performance.

## **2. Product Identification**

In addition to meeting the requirements of Rule 2-100 of the Canadian Electrical Code, the liquid-filled transformer must identify the standard to which it was manufactured. The following documentation of appropriate marking must also accompany the product;

- a) a manufacturer's declaration stating that they have manufactured the product to one or more appropriate Canadian standards, or
- b) when manufactured to other than Canadian standards:
  - i) a manufacturer's declaration that the product has equivalent safety performance as one manufactured to the appropriate Canadian standards, or
  - ii) a licensed engineering professional's evaluation report indicating the product as having equivalent safety performance as one manufactured to appropriate Canadian standards.

## **3. Maintenance**

The owner of the equipment shall ensure the product is maintained to industry standards and manufacturer's specifications.