



**ELECTRICAL INSPECTIONS** 

# **Approved Field Inspection Agencies** and Certification Bodies

Effective March 1, 2025 Amended July 16, 2025 V3.0

2024





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# WEBSITE INFORMATION

Publications Saskatchewan: <a href="https://publications.saskatchewan.ca/#/freelaw/acts">https://publications.saskatchewan.ca/#/freelaw/acts</a>

• Electrical Inspection Act, 1993: E-6.3

Electrical Inspection Regulations: E-6.3 R1, E-6.3 R16

Electrical Licensing Act: E-7.2

Electrical Licensing Regulations: E-7.2 R4

## TSASK: www.tsask.ca

- <u>2024 CEC Saskatchewan Interpretations</u>
- Approved Field Inspection Agencies and Certification Bodies
- Electrical Inspector Contact Search
- <u>Electrical Fee Schedule</u>
- Code for Electrical Installations at Oil & Gas Facilities
- Link to Electrical Inspection Act and Electrical Inspection Regulations





# **SECTION 2 – GENERAL RULES**

# 2-024 - USE OF APPROVED EQUIPMENT

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

Labels are 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 (RTM)] shall have a label affixed to the electrical panelboard 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*.

## **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 RTM's. For a complete list of approved certification bodies and certification marks, please visit the TSASK website at www.tsask.ca.

#### **Field inspection certification**

For a list of current recognized field certification labels for the Province of Saskatchewan, contact Electrical Inspections at our toll-free number 1-866-530-8599, or visit us online at www.tsask.ca.

#### Field inspection / Field evaluation 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  Medical Equipment Label  All labels must read:  "SPE-3000"
CSA Group			FIELD EVALUATION SERVICE  OPS EVALUATION SERVICES INC.  This product is evaluated to the model code SPE 2000 - Medical Electrical Equipment, Such evaluation does not constitute certification but is an accepted form of approval of electrical approximation of the authority and production of the authority in the a
Underwriter's Laboratories of Canada	Field Evaluation Service Service D'Evaluation A Pied D'eauvre  Libertine of the service option of the service of the service of the service option of the service of the se		



Name of Field Inspection Agency	Special Inspection Panel Label All labels must read: "SPE-1000"	Name of Field Inspection Agency	Special Inspection Panel Label All labels must read: "SPE-1000"
Electrical Safety Authority Field Evaluation (ESAFE)	FILE DEVALUATION SERVICE  Services Group  Blanks DEVALUATION SERVICE  Cap yourself evaluate scan le code modile constant e certification but in second sele constant e certification sele sele constant e certification sele sele sele sele sele sele sele sele	CSA Group	SPECIAL INSPECTION SERVICE CONTROL PANEL ONLY  This product is evaluabled grade in the product of the product o
QPS	SPECIAL INSPECTION SERVICE SERVICE D'INSPECTION SPÉCIALE  EVALUATION BASED ON CSA MODEL CODE SPE-1000 FOR THE FIELD EVALUATION OF ELECTRICAL PANEL ONLY PA	AC&E North America Inc.	SPECIAL INSPECTION SERVICE - SERVICE D'INSPECTION SPECIALE  THIS PRODUCT IS  SPECIAL TO THE PRODUCT IS THE  APPROACH THE PRODUCT IS  ASSOCIATED THE PRODUCT IS THE  APPROACH THE PRODUCT IS  ASSOCIATED THE PRODUC
Averifica	Averifica  P-1234567  This product is evaluated to the Model Code SPE-1000. Such evaluation does not constitute certification but it sim accept as form of approved of electrical products by the authority having jurisdiction.  SPECIAL INSPECTION SERVICE PANEL ONLY  PANNEAU SEULEMENT		



Name of Field Inspection Agency	Special Inspection <b>Product Label</b> All labels must read:  "SPE-1000"	Name of Field Inspection Agency	Special Inspection  Product Label  All labels must read:  "SPE-1000"
CSA Group	SPECIAL INSPECTION SERVICE  The product is revised to be precised to the product of the product	QPS	THELD EVALUATION SERVICE  OPS EVALUATION SERVICES INC.  THIS PRODUCT 6E EVALUATION TO THE MODEL CODE SPE-1000 SUPE FEALUATION DOES NOT CONSTITUTE CERTIFICATION BUT IS AN ACCEPTED FORM OF APPROVAL OF ELECTRICAL PRODUCTS BYTHE AUTHORITY HAVING UNINCOLTON OPE EVALUATION SERVICES INC. SERVICE D' ÉVALUATION SUR PLACE
ETL Intertek Entela	ENTELA  FIELD EVALUATION SUR LE CHAMP  COMPLIES WITH CODE MODELE DE CSA SPE-100 ET AU CODE LOCANDIAN CANADIAN CANADIAN ELECTRICAL CODE L'ELECTRICAL CODE PARTIE  ENTELA  SE CONFORME AU CODE MODELE DE CSA SPE-1000 ET AU CODE CANADIAN DE L'ELECTRICAL CODE PARTIE	INTERTEK Testing Services	INTERTER VESTING SERVICES NATUD STOOL INSECTAN SERVES SERVES GLASS TO DESCRIE  ENLISTOR SARRO ON NOOEL DOVE SEE- WAS FOR PED PRINCIPO OF ELECTRIC SCHEDULT SPS-1000 DATE: MORE ACCEPTANT DESCRIPTION SPS-1000 DATE: MORE ACCEPTANT DESCRIPTION SPS-1000 DATE: MORE ACCEPTANT DESCRIPTION D
ETL Intertek Semko	INTERTEK TESTING SERVICES NA LTD  SPECIAL INSPECTION SERVICE - SERVICE DI ASSECTION SPÉCIALE  EVALUATION BASED ON MODEL CODE SPÉ- 1000 FOR PIELD EVALUATION OF ELECTRICAL EQUIPMENT SPÉ- 1000  THIS SPIALUATION DOES NOT CONSTITUTE A CERTIFICATION CETTE ÉVALUATION NE CONSTITUTE PAS UNE CERTIFICATION	QAI Laboratories Ltd.	SPECIAL INSPECTION SERVICE I SERVICE D'INSPECTION SPÉCIALE  QAI LABORATORIES  SPE-1000  THIS PRODUCT IS EVALUATED TO THE MODEL CODE INTE-100, SUID-FEMILIATION DOES NOT COMMON INSPECIAL OF RELECTIVE AL PRODUCTS ONLE OF INCOLUME THE INTERACTION AND EST HAVE CONSTITUE AND INDICATE THE OTHER WWW.qai.org  WWW.qai.org  FORME ADMISS TO APPROBATION DES PRODUCTS ELECTROLES PAR L'AUTORITE COMPETENTE.
TÜV America Inc.	SPECIAL INSPECTION SERVICE SERVIS D'INSPECTION SPÉCIALE TÜV AMERICA INC.  Evaluation based on model opide SPE-1000 fetthe fold evolution of electrical equipment  THIS EVALUATION DOES NOT CONSTITUTE A CERTIFICATION CETTE EVALUATION CONSTITUTE A CERTIFICATION 1-400-TU W0 129 - Mediabeligituramoum - wew/TU/fetrerida.com	QAI Laboratories Ltd.	Field Evaluation/Inspection Spéciale  Quality Auditing Institute  EVALUATION BASED ON MODEL COOK SPICENBOOK MID POICE MED SE MATERIEL  THIS EVALUATION DOTS NOT CONSTITUTE A CERTIFICATION CETTE EVALUATION SE CONSTITUTE A CERTIFICATION WWW.qai.org
International Testing Laboratory Inc.	Special Inspection Services / Services D'Inspective Spéciale THE PRODUCT IN SPECIAL SP	Elspect Electrical (2007) Ltd.	ELSPECT ELECTRICAL (2007) LTD. SPECIAL INSPECTION SERVICE SERVICE D'INSPECTION SERVICE SERVICE D'INSPECTION SPECIALE  This product is evaluated to the Model code SPE-1000. Such evaluation does not constitute extilication but is an excepted form of approval of electrical products by the authority having jurisdiction.  Legion 1 (800) 430-7623  SI@Pelspect.com www.elspect.com



Name of Field Inspection Agency	Special Inspection  Product Label  All labels must read:  "SPE-1000"	Name of Field Inspection Agency	Special Inspection  Product Label  All labels must read:  "SPE-1000"
Underwriter's Laboratories of Canada	Field Evaluation Service Service D'évaluation À Pied D'oeuvre  L'inspection la maintaine de Conce to to.  This product is an activation from a mode of the Service  L'inspection is an activation from the continued pertit information to an acceptable from the continued pertit information to an acceptable from the product in the continued pertit information to an acceptable from the product of described products by the acceptable from the continued pertit information to an acceptable from the continued pertit information on a second pertition of the products of the pertition of th	TÜV Rheinland of North America, Inc.	SPECIAL INSPECTION SERVICE SERVICE D'INSPECTION SPÉCIALE TUV Rheinland of North America, Inc.  THES PRODUCT IS EVALUATED TO THE MODEL COOR SPÉ-IDEL. SUCH TRAILE STATE OOSS SON COOLSTITUS, CERTIVALIDATE BUT IS AN ACCUSTED FORM OF APPRICADE OF ELECTRODE, PRODUCT IS IT THE ALIENSATY MAYING APPRICACTION.  1-TUR-RHEINLAND (1-880-743-4552) - RESPUSS AVECOM - WWW.SE.AVE.COM
Electrical Safety Authority Field Evaluation (ESAFE)	Fruit System to Service Strong  Fruit System to Strong Str	Nemko Canada Inc.	Nemko Nemko Canada Inc.  This product is evaluate to the model code SPE 1000. Buch evaluation does not constitute certification but is an accepted from of approvial of lekindral products by the sithority having products by the sithority having products by the sithority having SPECIAL INSPECTION SERVICE SERVICE DINSPECTION SPECIALE
LabTest Certification	Special Inspection Services / Service D'Inspection Secciale  Lab Test Certification fine  who product is  evaluated to the Window  Costs MF-5505. But of  constitute certification  but as an acceptate  described products by  the nutrition of the second products by  the nutrition of the second products by  the nutrition of the second products by  Test EVALUATION DOES NOT CONSTITUTE A CERTIFICATION  CETTE EVALUATION ME CONSTITUTE PAS UNE CERTIFICATION  CETTE EVALUATION ME CONSTITUTE PAS UNE CERTIFICATION  CETTE EVALUATION ME CONSTITUTE PAS UNE CERTIFICATION  CETTE EVALUATION DOES NOT CONSTITUTE A CERTIFICATION  CETTE EVALUATION ME CONSTITUTE PAS UNE CERTIFICATION  CETTE EVALUATION ME CONSTI	AC&E North America Inc.	SPECIAL INSPECTION SERVICE - SERVICE D'INSPECTION SPÉCIALE  THE SPOONCY E EVALUATION THE HORSE, COOR SERVICE SUICH EVALUATION DOES NOT CONSTITUTE CHARTER-TON BETTON CONSTITUTE FOR SERVICE PRODUCTS BY THE APPROACE OF ELECTRIC UPPORT SERVICE PRODUCTS BY THE APPROACE OF ELECTRIC UPPORT SERVICE PRODUCTS BY THE APPROACE OF THE THE AP
Vision Intergrity Engineering Ltd.	FIELD EVALUATION  VISION INTEGRITY ENGINEERING ED  The product in creationed to the Model Code SPR-1000. Now positioned who not constitute certification but supposition for the constitute of electrical products by the certification and products by the certification but supposition for the certification but supposition for the certification of a supposition of electrical products by the minimum products of the certification of a supposition of the products of approximate one products on approximate one products one products on ap	SEAC Engineering Inc.	SEAC Engineer final Appropria SEAC Engineer of the
Q Test Inspection Ltd.	SPECIAL INSPECTION SERVICE  This product is evaluated to the reduction of the service of the ser	SEAC Engineering Inc. (Commercial & gas fired appliances)	SEAC COMPARAMENT OF AN Approval  SEA AND ADDRESS OF AN APPROVAL COMPARAMENT OF AN APPROVAL COMPARAMENT OF AN APPROVAL COMPARAMENT OF AN APPROVAL COMPARAMENT OF A COMPARAMENT OF





Name of Field Inspection Agency	Special Inspection  Product Label  All labels must read:  "SPE-1000"	Name of Field Inspection Agency	Special Inspection  Product Label  All labels must read:  "SPE-1000"
Averifica	Averifica S-1234567  This product is evaluated to the Model Code SPE-1000. Such evaluation does not constitute conflictation but is an accorded from of approval of telectrial products. by the authority having jurisdiction.  SPECIAL INSPECTION SERVICE SERVICE D'INSEPECTION SPÉCALE		



Name of Certification Body	Certification Marks		
CSA International	NRTL/C	US	The CSA certification mark alone without any identifier indicates products approved to Canadian National Standards. If another country's identifier is present (E.g. US, NRTL), then the small 'c' Canadian identifier is required to indicate that the product also complies with Canadian National Standards.
	( APPROVID	GE CENTRE OF THE	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.	c Certif	Us Gied	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	o FM APPROVED	C FM US APPROVED	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	ME	Us Dus	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	US Contilled	CONTAR.	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.
Services NA Ltd. (ETL) (Entela)	ervices NA Ltd. (ETL)	Warnock Hersey	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.
QAI Laboratories		QAI ® US	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.
Ltd.	FOURHENT FOR	IAZARDOUS	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	NRTL US		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.
TÜV Rheinland of North America	غ في الله الله الله الله الله الله الله الل		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.
	C UL)	C UL US	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.
Underwriter's		Do ATO DO	The ULC certification marks are Canada only marks indicating compliance to Canadian National Standards.  They do not require a small 'c' Canadian identifier.
Laboratory	CERT SAF E42	TIFIED ETY CA 6392	This style of UL certification mark does not require a small 'c' Canadian identifier however; it does require the ISO country code to be part of the mark. ("Safety CA", "Safety US-CA", or "Safety US-CA-EU")
Curtis-Straus LLC	NSF international emko North		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.
NSF International			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.
Nemko North America, Inc.			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.



Name of Certification Body			Certification Marks
LabTest Certification Inc.	De EC	S LC us	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.
ENEFEN Energy Efficiency Engineering Ltd.	Delas	7.9	The ENEFEN certification mark is a Canada only mark indicating compliance to Canadian National Standards. It does not require a small 'c' Canadian identifier.
SGS NORTH AMERICA, INC.	DC SES	SOS POP	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.
Electrical Safety Authority Field Evaluation (ESAFE)		ait électrique lÉ/CERTIFIED rical product	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.
IAPMO	A EG	Mo is Us	The IAPMO EGS 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.
International Testing Laboratory Inc.	COL	CINIL US	The INTL 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.
OMNI Environmental Services Inc.**	08	Topy	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.



Name of Certification Body	Certification Marks	
	EFL	The EEL certification mark is a Canada only mark indicating compliance to Canadian National Standards. It does not require a small 'c' Canadian identifier.
Elspect Electrical (2007) Ltd.	HAZARDOUS LOCATION CERTIFICATION The certification flow applies to photolic characterists that were evident during inspection. See full report.  1(800) 430-7623 Side-dispect.com www.elspect.com  HAZARDOUS LOCATION CERTIFICATION TO PROVIDE THE PROVIDENT OF THE P	The EEL Hazardous Equipment field certification will certify the equipment to the part 2 standard, specifically No.s 157 and 213



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



<u>Certification Body</u>		SPECIAL/FIELD INSPECTION AGENCIES
MET Laboratories, Inc. 914 West Patapsco Avenue Baltimore, MD 21230-3432 USA	Mr. R. Frier, President Ph: (410) 949-1805 Fax: (410) 354-3313 E-mail: rob.frier@metlabs.com Website: www.metlabs.com	
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: Lgibson@qai.org  E-mail: info@qai.org  Website: www.qai.org	
TÜV Product Service, a division of TÜV America Inc. 5 Cherry Hill Drive Danvers, MA 01923 USA	Mr. G. Minks, Director Certification Body Ph: (978) 739-7000 Fax: (978) 777-8441 E-mail: gminks@tuvam.com Website: www.tuvamerica.com	Performs field inspections.
TÜV Rheinland of North America, Inc. 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: tcalland@us.tuv.com Website: www.tuv.com	
Underwriters' Laboratories of Canada 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: gunsimarbir.paintal@ca.ul.com Website: 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 Website: www.ulc.ca
CURTIS-STRAUS LLC 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: jcurtis@curtis-straus.com Website: www.curtis-straus.com	



Certification Body		SPECIAL/FIELD INSPECTION AGENCIES
NSF INTERNATIONAL 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: information@nsf-isr.org	
Nemko North America, Inc. 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="mailto:www.nemko.com">www.nemko.com</a>	Performs field inspections
OMNI-Test Laboratories, Inc. 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: asmith@omni-test.com Website: www.omni-test.com	
Electrical Safety Authority Field Evaluation (ESAFE) 4043 Carling Avenue, Suite 106 Ottawa, ON K2K 2A4 Canada	Jacques Martin Technical Manager Field Evaluation Services Ph: (613) 292-1372 Website: www.esafe.org	Jacques Martin Technical Manager PH: (613) 292-1372 E-mail: Jacques.martin@electricalsafety.on.ca
LabTest Certification Inc. 205-8291 92 Street Delta, BC V4G 0A4 Canada	Toll Free: 1-855-346-0444 Tel: (604) 247-0444 Website: www.labtestcert.com E-mail: info@labtestcert.com	
ENEFEN Energy Efficiency Engineering Ltd.  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: info@enefen.com	Performs field inspections



Certification Body		SPECIAL/FIELD INSPECTION AGENCIES	
SGS NORTH AMERICA, INC. 5825 Explorer Drive Mississauga, ON L4W 5P6 Canada	Telephone: (905) 364-3771 Fax: (973) 575-7175		
AC&E North America Inc. Empire State Building 350 5 <sup>th</sup> Ave., 41 <sup>st</sup> Floor NYC, NY 10118 USA	Telephone: (941) 780-2110 Website: <u>www.acenorthamerica.com</u>	Matteo Marconi matteo.marconi@acenorthamerica.com	
IAPMO Ventures, LLC dba IAPMO EGS 5001 E. Philadelphia St. Ontario, CA 91761 USA	Tel: (909) 472-4100 Fax: (909) 472-4243 Website: <u>www.iapmoegs.org</u>	Contact: Shirley Dewi E-mail: shirley.dewi@aiapmort.org	
Vision Integrity Engineering Ltd. Suite 301, 620-12 Ave SW Calgary, AB T2R 0H5 Canada	SPE 1000  General Inquiries: (587) 353-6630	Trevor Davies P.Eng. SI Consultant Calgary, AB Office: (587) 353-6630 Cell: (403) 473-1184 trevordavies@visionintegrity.ca	
SEAC Engineering Inc. 43 Carringvue Drive NW Calgary, AB T3P 0W4 Canada  SPE 1000  Website: seacengineering.com		Muhammad Tauseef P.Eng., FS.Eng. Field Evaluations Calgary, AB Office: (587)999-6961 mutauseef@seacengineering.com	
Q Test Inspection Ltd. Bay 16, 7471 Edgar Industrial Bend Red Deer, AB T4P 3Z5 Canada	SPE 1000 Website: www.qtest.ca	Matt Ellis 403-887-5630 matt.ellis@qtest.ca	
International Testing Laboratory Inc. Unit 105-12031 Horseshoe Way Richmond, BC V7A 4V4	SPE 1000 Website: www.intertestlab.com	Aman Jathaul Richmond, BC 604-238-5060 aman.jathaul@intertestlab.com	





Certification Body		SPECIAL/FIELD INSPECTION AGENCIES
Elspect Electrical (2007) Ltd. 2801 18 Street NE Calgary, AB T2K 7K5 Canada	SPE 1000 Website: www.elspect.com	Garry Bickerstaff President Calgary, AB 403-250-3338 gbickerstaff@elspect.com
Averifica Labs Inc. Unit 513 - 218 Export Boulevard Mississauga, ON L5S 1Y4 Canada	SPE 1000 Website: www.averifica.com	Anthony Kerstens Technical Manager Mississauga, ON 905-758-0102 anthonykerstens@averifica.com

# 2-024 - USE OF APPROVED EQUIPMENT - EXCEPTIONS

There may be occasions where certification standards do not exist for approval of electrical equipment. A deviation shall be applied for in accordance with Rule <u>2-030</u>.

## LIQUID-FILLED TRANSFORMERS

In the specific situation of liquid-filled transformers, certification organizations have yet to identify a demand for developing a product certification program around this 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 CEC provided they meet the following conditions:

- 1. Manufacturing standards
  - 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 not limited, to:
    - CAN/CSA-C2.1 Single Phase and Three Phase Distribution Transformers
    - CAN/CSA-C88-16 Power Transformers and Reactors
    - CAN/CSA-C227.3-06(R17) Low Profile, Single Phase, Dead Front Pad-mounted, Distribution Transformers
    - CAN/CSA-C227.4-06(R17) 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





Professional Engineer 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 CEC, 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
  - a Professional Engineer'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.

# HV DOWNHOLE ESP'S (ELECTRICAL SUBMERSIBLE PUMPS)

Manufacturers, distributors, owners and installers of ESPs and associated down-hole cables shall be permitted to deviate from Rule 2-024 of the Canadian Electrical Code provided they meet the following conditions:

# **Conditions**

- 1. Manufacturing standards
  - a) Manufactured to North American Standards:

ESP's and/or associated down hole cables are acceptable when the manufacturer declares that they have manufactured, inspected, and tested the ESP's and/or associated down-hole cables to the requirements of the appropriate and current standards. These standards include but are not limited to:

- IEEE 252 Standard Test Procedure for Polyphase Induction Motors having Liquid in the Magnetic Gap.
- IEEE 1017 Recommended Practice for Field Testing Electric Submersible Pump Cable.
- IEEE 1018 Recommended Practice for specifying Electric Submersible Pump Cable Ethylene-Propylene Rubber Insulation.
- IEEE 1019 Recommended Practice for specifying Electric Submersible Pump Cable Polypropylene Rubber Insulation.
- Manufactured to Other than North American Standards:





Where ESPs and/or associated down-hole cables are manufactured to other than North American standards, the manufacturer must declare that the product has equivalent safety performance as one manufactured to North American standards. Alternatively, a licensed engineering professional may evaluate and accept the product standard to which the ESP's and/or associated down-hole cables were manufactured to, if it compares favourably with the appropriate North American standards concerning safety performance.

## 2. Product Identification

The following documentation for ESPs and associated down-hole cables must be readily accessible:

- A manufacturer's declaration stating that the product meets industry recognized standards; and
- Specification sheets stating the product's electrical ratings and characteristics.

## 3. Additional Requirements

- The installation is bonded to ground in accordance with Section 10;
- Proper overcurrent and overload protection must be provided in accordance with the CEC,
   Part 1; and
- All above ground components associated with the installations meets the requirements of the CEC Part 1.

NOTES:			

