

ELECTRICAL INSPECTION BULLETIN

B-02-024.1

Approval of Electrical Equipment

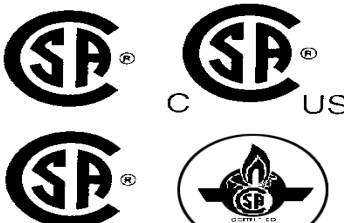


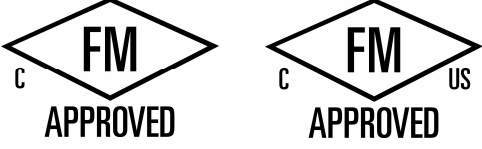
(Effective 03/01/2009)



The Nova Scotia Electrical Installation and Inspection Act and its subsequent regulations dated 4th day of October 1999 requires that all electrical devices, appliances, cables and equipment be approved by a certification organization acceptable to the Provincial Chief Electrical Inspector, Department Labour and Workforce Development.

Only equipment bearing one of the marks or labels shown in the chart below are approved by the Provincial Chief Electrical Inspector for use in Nova Scotia. All equipment must be certified to Canadian Standards

CERTIFICATION MARKS ACCEPTABLE UNDER THE N.S. ELECTRICAL INSTALLATION AND INSPECTION ACT

Canadian Standards Association (CSA)	 The image shows four certification marks: two CSA marks (one with 'C' and one with 'US') and two UL marks (one with 'C' and one with 'US').
Curtis-Straus LLC	 The image shows the Curtis-Straus LLC certification mark, which is a large 'S' with a 'C' to its left and a small figure inside the 'S'.
Entela	 The image shows the Entela Certified certification mark, which is a black rectangle with 'entela' in white lowercase letters and 'Certified' below it, with a 'C' to the left.
Factory Mutual	 The image shows two Factory Mutual FM Approved certification marks, each consisting of a diamond shape with 'FM' inside and 'APPROVED' below, with 'C' or 'US' to the left or right.



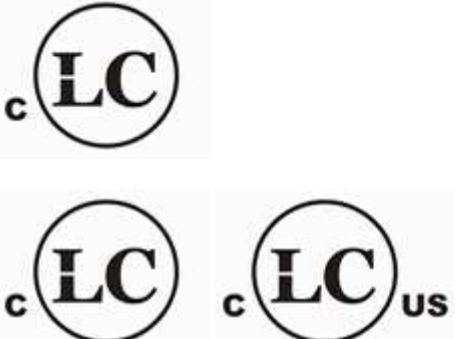




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<p>Intertek Testing Services (ETL)</p>	
<p>Intertek Testing Services (ETL)</p>	
<p>Labtest Certification Inc. Testing Services</p>	
<p>Met Laboratories Inc. (MET)</p>	
<p>Nemko Canada Inc.</p>	
<p>NSF International</p>	
<p>Quality Auditing Institute (QAI)</p>	

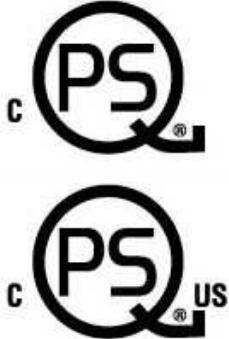

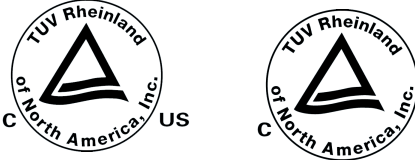


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<p>QPS Evaluation Services</p>	
<p>TUV America Inc.</p>	
<p>TUV Rheinland of North America, Inc.</p>	
<p>Underwriters Laboratories of Canada (ULC)</p>	
<p>Underwriters Laboratories Inc. (UL)</p>	

* Without the small "c" at the eight o'clock position, as shown on the chart above, the logos for Curtis-Straus LLC, ETL, Entela, FM, Met, Nemko, NSF, Labtest, TUV, UL and QAI are not acceptable for use in Nova Scotia. The small "c" indicates that the equipment has been certified to a Canadian Standard.

Canadian Gas Association (CGA)

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Appliances, equipment or accessories that are complementary to or form part of a product line which utilizes gas as a source of energy.

This includes electrical accessories and components provided they are used with the above.

Appliances, Equipment, Accessories and Components including electrical accessories and components used in the control, supply and conveyance of gas, including those that may be used in hazardous locations.

Note: The CGA mark has been replaced with a CSA Blue Flame mark.

Canadian Standards Association (CSA)

The CSA label is acceptable on the full range of electrical products which includes medical equipment.

Curtis-Straus LLC The Curtis-Straus label is acceptable on the full range electrical products

Entela The Entela label is acceptable on the full range electrical products.

Factory Mutual (FM)

The FM label is acceptable on a wide range of equipment which includes; Hazardous Location Electrical Equipment; Electrical & Electronic Products; and Fire Alarm and Signaling Equipment.

Intertek Testing Services

- **Engineering Testing Laboratories (ETL)**

The ETL label is acceptable on a wide range of Wiring Products, Industrial Products, Environmental and Consumer Products.

- **Warnock Hersey (WH)**

The Warnock Hersey (WH) label is acceptable on a wide range of Wiring Products, Industrial, Environmental and Consumer Products.

Labtest Certification Inc. The Labtest label is acceptable on the full range electrical products

Met Laboratories Inc. (MET)

The MET label is acceptable on the full range electrical products.

Nemko Canada Inc. The Nemko label is acceptable on the full range electrical products

NSF. The NSF label is acceptable on the full range electrical products

QPS Evaluation Service

The QPS label is acceptable on the full range of electrical products

Quality Auditing Institute (QAI)

The label is acceptable on a wide range of wiring products, commercial and consumer products.

TUV Rheinland of North America Inc

The label is acceptable on full range of electrical and electronic products.

TUV America Inc.

The label is acceptable on full range of electrical and electronic products.

Underwriters Laboratories Inc. (cUL)

The cUL label is acceptable on the full range of electrical products.

Underwriters Laboratories of Canada (ULC)

Burglary Protection Equipment pertaining to products, systems and services with respect to protection afforded against burglary, robbery or theft.

Fire Protection Equipment pertaining to products, systems and services relating to the prevention, detection, control and extinguishment of fire.

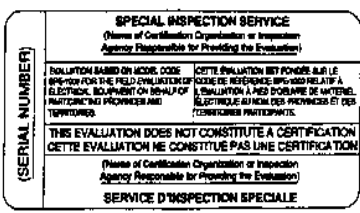
Fuel Burning Equipment pertaining to the safety in use of the following types of fuel burning equipment;

- solid-fuel burning;
- liquid-fuel burning;
- gaseous-fuel burning.

SPECIAL FIELD EQUIPMENT APPROVAL (Special Inspection)

Special field approval for one of a kind, unique, field modified, foreign equipment, etc., may be obtained through the following organizations listed below.

CERTIFICATION MARKS ACCEPTABLE UNDER THE N.S. ELECTRICAL INSTALLATION AND INSPECTION ACT FOR SPECIAL FIELD APPROVAL IN NOVA SCOTIA

Canadian Standards Association (CSA)	 <p>SPECIAL INSPECTION SERVICE (Name of Certification Organization or Inspection Agency Responsible for Providing the Evaluation) EVALUATION BASED ON N.S. CODE (CETTE EVALUATION N'EST FONDÉE QUE SUR LE RÈGLEMENT EN VIGUEUR POUR LE BÂTIMENT D'ÉLECTRICITÉ EN NOUVEAU-BRUNSWICK) ELECTRICAL EQUIPMENT ON BEHALF OF PARTICIPATING PROFESSIONS AND TRADESMEN (ÉVALUATION À MÊME D'ÉQUIPEMENT ÉLECTRIQUE AU NOM DES PROFESSIONS ET DES TRAVAILLEURS PARTICIPANTS) THIS EVALUATION DOES NOT CONSTITUTE A CERTIFICATION CETTE EVALUATION NE CONSTITUE PAS UNE CERTIFICATION (Name of Certification Organization or Inspection Agency Responsible for Providing the Evaluation) SERVICE D'INSPECTION SPÉCIALE</p>
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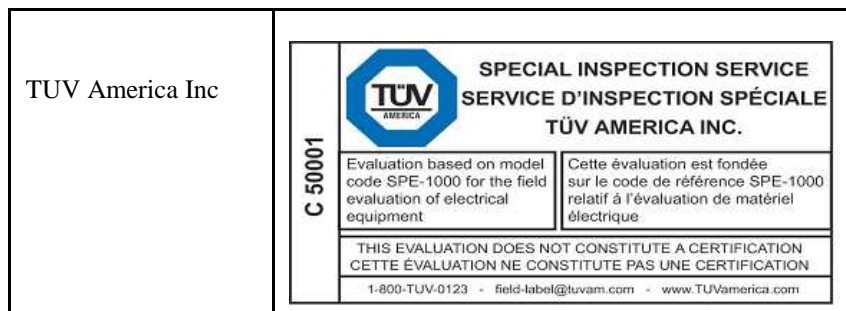
<p>Intertek Services</p>	
<p>QPS Evaluation Services</p>	
<p>Electrical Safety Authority (ESA)</p>	<p>For Electrical Panels only</p> <p>For other electrical equipment</p>

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SPECIAL INSPECTION PROGRAM CONTACTS

Canadian Standards Association Phone: (506) 388-3600
103 Saint Theresa St. 1-800-463-6727
Dieppe, N.B. E1A 1S8 Cell: (506) 856-0058
Attention: Mr. Fred Cormier Fax: (506) 382-9651

Quality Product Services (QPS) Phone: (902) 860-1619 (Office)
20 Arthur Joseph Drive Cell: (902) 452-5942
Fall River, N.S. B2T 1E8 Fax: (902) 860-1618
Attention: Mr. Phil Weeden

Quality Product Services (QPS) Phone: (506) 858-7880
500 St. George Blvd. Cell: (506) 856-0856
Moncton, NB E1C 1Y3 Fax: (506) 855-7015
Attention: Mr. Mike McGraw

ESA
M.A. (Mike) Moore Phone: (613) 283-5816
General Manager Fax: (613) 283-7638
ESA Field Evaluation Services
Email: mike.moore@electricalsafety.on.ca
website: www.esapa.biz

TUV America Inc.
Gary Minks Phone: (978) 739-7021
General Manager Fax: (978) 762-8414
Email: gminks@tuvam.com
website: www.tuvamerica.com

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General:

When modifications are made to electrical equipment such as switchboards, motor control centers, panels etc. in addition to the special inspection by a certification agency a letter from the manufacturer is required indicating the modifications do not change the electrical withstand or mechanical strength of the equipment, or the intent or purpose of the equipment or that it in any way effects the equipment with regard to it's certification and safe use. Information or questions regarding acceptance of certified equipment or agencies permitted to perform special inspections should be forwarded to the Provincial Chief Electrical Inspector, Department of Labour and Workforce Development.

Where a gas device with associated electrical components has no acceptable certification or no certification at all it will require a special inspection to be performed prior to the device being placed into permanent operation.

No special inspection can be performed on gas devices unless prior permission is obtained from the N.S. Chief Inspector of Fuel Safety .CSA is the only certification organization permitted to perform special inspections for gas devices in N.S. at this time.

Where a special inspection is permitted on a gas device with associated electrical components that inspection shall ensure that both the gas and electrical aspects of the device are safe and have been inspected.