Secretariat

INTERNATIONAL ELECTROTECHNICAL COMMISSION (IEC) SCHEME FOR CERTIFICATION TO STANDARDS RELATING TO EQUIPMENT FOR USE IN EXPLOSIVE ATMOSPHERES (IECEx SCHEME)

Ex Management Committee, ExMC

TITLE: IECEx Assessment Report for acceptance of *QPS Evaluation Services, Inc.* as an IECEx Certification Body (ExCB)

INTRODUCTION

This document contains the IECEx Assessment Report for the acceptance of *QPS Evaluation Services, Inc.* - as an IECEx Certification Body (ExCB) within the IECEx Scheme.

This report is hereby submitted for voting.

Please consider this assessment report and return the completed voting form (separate - in Word Format) to the Secretariat by 2nd April 2007. Your speedy response to the voting process will be very much appreciated.

Chris Agius
IECEx Secretariat

Address: **IECEx Secretariat** **SAI Building** **286 Sussex Street** **Sydney 2000** **Australia**	**Tel: +61 2 8206 6940** **Fax: +61 2 8206 6272** **Email: chris.agius@iecex.com** **Internet: www.iecex.com**

Secretariat

IECEx ASSESSMENT REPORT FOR QPS EVALUATION SERVICES INC
ExCB (IECEx Certification Body)

Type of Assessment:

Initial Assessment for Candidate ExCB **X**

1. OBJECT AND FIELD OF APPLICATION

1.1. Country:

Canada

1.2. Name of Candidate ExCB

QPS Evaluation Services, Inc.

1.3. Members of the Assessment Team

Jim Munro	Lead assessor - Chairman of the Panel of Assessors
Heinz Berger	Assessor - IECEx Officer
Alexander Zalogin	Assessor - NANIO CCVE

1.4. Place and Date of Assessment

81 Kelfield Street, Unit 8
Toronto, Ontario, M9W 5A3
Canada

29 November to 1 December 2006 - 9 man days on site

1.5. Assessment References

i) IECEx 02 Second Edition 2003-06 IECEx Scheme rules of procedure
ii) IECEx OD/003 IECEx Assessment procedures
iii) IECEx OD 005V2 Quality System requirements for manufacturers
iv) IECEx OD/009 Issuing of CoCs, ExTRs and QARs
v) IECEx Document ExMC/161/CD Management of assessment and surveillance programs for manufacturers (includes QAR forms)
vi) ISO/IEC Guide 65:1996
vii) IECEx Document OD 17 Drawing and documentation guidance
viii) ExCB application documents dated 15 June 2006

1.6. *Scope of Application (to be selected)*

Number	Title
60079-0	Electrical apparatus for explosive gas atmospheres Part 0: General requirements
60079-1	Electrical apparatus for explosive gas atmospheres Part 1: Construction and verification test of flameproof enclosures of electrical apparatus
60079-2	Electrical apparatus for explosive gas atmospheres Part 2: Electrical apparatus, type of protection 'p' (Pressurization)
60079-5	Electrical apparatus for explosive gas atmospheres Part 5: Powder filling "q"
60079-6	Electrical apparatus for explosive gas atmospheres Part 6: Oil-immersion 'o'
60079-7	Electrical apparatus for explosive gas atmospheres Part 7: Increased safety 'e'
60079-11	Electrical apparatus for explosive gas atmospheres Part 11: Intrinsic safety 'i'
60079-15	Electrical apparatus for explosive gas atmospheres Part 15: Electrical apparatus with type of protection 'n' (Non-Sparking)
60079-18	Electrical apparatus for explosive gas atmospheres Part 18: Encapsulation 'm'
61241-0	Electrical apparatus for use in the presence of combustible dust Part 0: General requirements
61241-1	Electrical apparatus for use in the presence of combustible dust Part 1: Electrical apparatus protected by enclosures

1.7. *Candidate ExCB Persons Interviewed*

Name	Position
Maalouf Nick	Vice President
Morrison Jim	Vice President
O'Kane Dori	Quality Manager
Koopstra Donna	Quality Coordinator
Mattucci Alfonso	Technical Coordinator / Quality Control Engineer

1.8. *Legal Entity of the Candidate ExCB*

QPS is a private, wholly owned Canadian Corporation incorporated under the laws of Canada and operates as a federally incorporated Canadian company. QPS advised that it does not engage in the promotion or sale of any products, suppliers or vendors or any products tested and certified by QPS. The assessment team did not find evidence to the contrary. It further advised that trade associations and clients of QPS have

neither control nor influence over QPS policies or the employment security of its employees.

1.9. *Associated Testing Laboratories*

The QPS ExTL is integral with the ExCB
81 Kelfield Street, Unit 8
Toronto, Ontario, M9W 5A3
Canada

1.10. *Associated Certification Functions*

In Canada, QPS is accredited by the Standards Council of Canada as a Certification and Inspection Body with the right to certify products for the Canadian market.
QPS also has acceptance for certification activities with the US states Idaho and Washington.

1.11. *National Marks and Certificates*

For the Canadian market QPS provides the QPS Mark of Conformity following the Standard Council of Canada, covering electrical safety.

1.12. *Financial Support*

QPS is funded from income derived from certification, testing and inspection fees.

1.13. *History*

QPS was established in 1995, operating as an independent Agency performing factory follow-up inspections and Special Inspection/Field Evaluation services for Canadian Standards Association (CSA).

QPS Field Evaluation Services
CSA and US STANDARDS/CODES

In 1998, QPS entered into a contractual agreement with Entela, Inc., a Certification Body accredited in the US and Canada as their exclusive Special Inspection and Field Evaluation Agency world-wide.

In 1999, QPS established a test laboratory to provide testing services for Entela, as well as for customers seeking CSA, UL and other NRTL certification.

In 2003, QPS expanded its test laboratory and obtained National accreditation from the Standards Council of Canada (SCC) as a Testing Organization for over 300 CSA, UL and IEC standards, including standards for products intended for use in hazardous locations. In the same year, QPS also

obtained accreditation in the IECEE/CB Scheme as a CBTL for Entela for the following product categories: MED, TRON, ITE, OFF, MEAS, HOUS

In December 2004, QPS obtained national (SCC) accreditation as a Certification Body and in 2005, achieved full recognition of its Certification Mark and program by all Provincial and Territorial authorities across Canada.

Currently, QPS employs 65 people, and offers a full complement of certification, testing, inspection and CE Marking services (including ATEX Directive) covering a wide variety of electrical and electronic equipment for customers selling their products in Canada and the USA.

1.14. *Standards Accepted*

See clause 1.6 of this report

1.15. *National Differences to IEC Standards*

National differences to IEC standards are listed in the latest version of the IECEx Scheme Bulletin.

2. ORGANISATION

2.1. *Names, Titles and Experience of the Senior Executives*

Name	Title	Exp. in Ex	Overall
John Gulino	President	1 years	28
Nick Maalouf	Vice President	4 years	31
Jim Morrison	Vice President	8 years	28
Tom Mah	Testing & Certification Manager	6 years	32

2.2. *Name, Title and Experience of the Quality Management Representative*

Name	Title	Exp. In Ex	Overall
Dori O'Kane	QA Manager	1 year	25

2.3. *Name and Title of Nominated Principal Contact*

Name	Title	Comments
Nick Maalouf	Vice President	nmaalouf@qps.ca

2.4. *Name and Title of Signatories for Certification*

Name	Title
Nick Maalouf	Vice President
Jim Morrison	Vice President
Alfonso Mattucci	Technical Coordinator / Quality Control Engineer

The CVs of the persons above were checked and found to have the appropriate qualifications and experience.

2.5. *Other Employees in ExCB activity*

Name	Title	Responsibility
Dori O'Kane	Quality Manager	QAR Reviewer
Alfonso Mattucci	Quality Control Engineer	QAR Reviewer
Bill Shao	Senior Engineer	Technical Certification Reviewer
Rob Pellizze	Senior Engineer	Technical Certification Reviewer
Brian Schneider	Technical Leader	Technical Certification Reviewer

The CVs of the persons above were checked and found to have the appropriate qualifications and experience.

2.6. *Organizational Structure*

See organization charts of QPS Evaluation Services Inc. (Annex 1) and the HazLoc / IECEx Organization (Annex 2).

2.7. *Administration*

2.7.1. Administrative Structure
The assessment team confirmed that the organization has administrative support for QPS to operate in accordance with IECEx Scheme requirements.

2.7.2. Indemnity Insurance

QPS holds indemnity insurance from SW Pro Lines Insurance Company, Burlington, Ontario, Canada. The certificate of insurance shows adequate coverage and validity until January 9th, 2007. The contract can be renewed every year.

3. RESOURCES

QPS has all the necessary resources for IECEx certification operation.
Four persons are active in the Certification Body concerning IECEx. One person is supporting the certification team on an administrative basis.

4. COMITTEES / Governing Board / Advisory Board

QPS Evaluation Services Inc. uses a Certification & Testing Advisory Board, made of members from industry, regulators and consumer representatives. The last meeting was held on November 2nd, 2006.

5. CERTIFICATION OPERATIONS

5.1. *National Approval/Certification Methods*

QPS operates an ISO type 4-5 certification programs described in the company's operating procedures manual (OPM). The program consists of testing and evaluation of submitted products and issuance of a certificate of compliance granting the use of the QPS registered certification mark on compliant products. The mark is recognized in Canada and US states Washington and Idaho.

5.2. *Certification Policy*

Certification policy is described in the Quality Policy Manual in clause 25. The IECEx certification policy and the procedures are described in clause 21 of the Operating Procedure Manual (OPM). Clause 21 is a comprehensive description of IECEx Operational Documents. The policy and the procedures were found to meet IECEx Scheme requirements.

5.3. *Application for Certification*

QPS is using an application form described in clause 21 of the OPM. It carries the number QSD 20Ex.

5.4. *Withdrawal and Cancellation of Certificates*

QPS is following the procedure described in clause 21.19, sub-clause b) and c) of the OPM, which was found to comply with IECEx Scheme rules and Operational Documents.

6. STATISTICS

6.1. Certificates Issued

Number of certificates issued under national or regional schemes in the preceding 2 years for each type of protection:

Standards	Title	Number of issued certificates		
		2005	2006	Total
60079-0	Electrical apparatus for explosive gas atmospheres Part 0: General requirements		0	Part 0 included in numbers below
60079-1	Flameproof Enclosures “d”		7	7
60079-2	Pressurization “p”		4	4
60079-5	Powder Filling “q”		1	1
60079-6	Oil-Immersion “o”		1	1
60079-7	Increased Safety “e”		4	4
60079-11	Intrinsic Safety “I”		3	3
60079-15	Non-sparking “n”		3	3
60079-18	Encapsulation “m”		2	2

Standards	Title	Number of issued certificates		
		2005	2006	Total
61241-0	Electrical apparatus for use in the presence of combustible dust Part 0: General requirements		0	Part 0 included in numbers below
61241-1	Electrical Apparatus for use in the presence of combustible dust. Electrical Apparatus protected by enclosures		2	2

7. DOCUMENTATION

7.1. Quality Manual

QPS has a corporate Quality Assurance System documented in the Quality Policy Manual (QPM), containing requirements covering the company's objectives and commitments to quality, as well as the quality system elements and policies. The QPM is used by all departments of the company as applicable.

The Operating Procedures Manual (OPM) contains operational policies, procedures, and practices pertaining to the various conformity assessment activities carried out by the company, including work performed within the IECEx Scheme.

The Quality Support Documents (QSDs) consists of work documents and formal documents used in support of testing and certification activities.

7.2. Procedures

All the procedures required for IECEx operation are available in the OPM, clause 21.

7.3. Work Instructions

All the procedures required for IECEx operation are available in the OPM, clause 21.

7.4. Records

Certification records are available on the QPS website www.qps.ca

7.5. Document Change Control

The document change control procedure is described in the OPM, clause 10.3.

8. CONFIDENTIALITY

The confidentiality procedure, which requires each employee to sign a confidentiality / impartiality agreement, is described in OPM, clause 11.6.

9. PUBLICATIONS

Publications are provided on the website of QPS www.qps.ca . Printed material is available upon request.

10. NATIONAL ACCREDITATION

QPS is accredited by the Standards Council of Canada as a Certification Body (ISO Guide 65), and as an Inspection Body (ISO/IEC 17020), with the right to certify products for the Canadian market and grant the use of the registered QPS certification mark. The scope of accreditation covers all electrical products and equipment, including equipment used in classified hazardous locations.

Annex 3 shows the Accreditation Certificate issued by the Standard Council of Canada (SCC) valid until November 2008. The latest annual audit was successfully performed during the week of November 21st, 2006. In the scope of standards position 29.260.20 mentions “Electrical apparatus for explosive atmospheres”.

Annex 4 shows the Accreditation Certificate issued by the SCC for “Inspection Body”. The certificate is valid until November 2008. The latest annual audit was successfully performed during the week of November 21st, 2006. The assessment team confirmed that the scope of accreditation, clause c) covers “Equipment for use in Hazardous Locations”.

11. RECOGNITION AND AGREEMENTS

QPS participates in the IECEE CB Scheme as a CBTL. In addition, QPS has agreements with the following certification bodies:

- TRL Compliance Services Ltd., an ATEX Notified Body located in UK;
- Intertek N.A. Ltd. In Canada and the US (HazLoc products);
- Maryland Electrical Testing (MET), HazLoc products;

12. INTERNAL AUDIT AND PERIODIC MANAGEMENT REVIEW

Internal audit and management review are described in clauses 10.4 and 10.5 in the OPM. Internal audits took place in 2006. The records have been reviewed and found to be acceptable.

The latest management review took place on February 3rd, 2006. The next meeting is planned for February 2007.

13. SUBCONTRACTING, USE OF OTHER LABS AND USE OF OTHER LOCATIONS

There is presently no subcontracting. All tests are performed in the QPS location with own resources. However, they do not have the capability to do the Resistance to Light test in IEC 60079-0 and 61241-0 but have a subcontracting procedure that can be used if this is needed (11.29 of the Operating Procedures Manual).

14. TRAINING

The training procedure is described in the OPM, clause 11.17. QSD No. 906 deals with the Training Master Plan. Training records are kept in the personnel file.

A comprehensive IECEx training for all employees involved in IECEx activities took place starting in 1st week of September, 2006 until the beginning of the IECEx initial assessment.

15. ASSESSMENT OF MANUFACTURERS AND ISSUE OF QARS

During the assessment, the assessment team confirmed that QPS have in place documented systems that meet the IECEx Scheme requirements. The following Quality Assessment Reports (ATEX) were checked.

XU 1375 / 7100: (manufacturer located in Pittsburg PA, USA): with this QAR protection type “d” is covered

XU1132/5449: (manufacturer located in Cleveland, Ohio, USA): with this QAR protection type “ia” is covered

XU1138/5600: (manufacturer located in Fredonia, PA, USA): with this QAR protection type “ia” is covered

XU1043/4508: (manufacturer located in Waltham, MA, USA): with this QAR protection type “ib” is covered

16. COMPLAINTS AND APPEALS (Including appeals to IECEx)

Complaints and appeal procedures are described in clauses 11.9 and 11.10 of the OPM respectively. For IECEx activities the appeal process is described in clause 21.24 (inclusion of IECEx Board of Appeal).

17. SPECIAL FACTS TO BE NOTED

17.1. Supporting Documentation

Copies of additional supporting information for this assessment have been provided to the applicant and the IECEx Secretariat. These include:

- Details of issues raised and how these have been resolved
- Checklist for ISO/IEC Guide 65

17.2. Technical Certification Reviewer

QPS Evaluation Services Inc. operates a certification procedure using “Technical Certification Reviewers”. The Technical Certification Reviewer is an expert having competence in one or more functions within the conformity assessment process. The functions are: testing, verification of test reports, auditing and certification.

Personnel involved in IECEx activities are listed on a competence matrix (scope of standards against personnel and their functions). Evidence was given during the assessment that no infringement of independency occurs.

18. COMMENTS (Including issues found during assessment)

Only minor issues were found during the assessment and these were corrected prior to completion of the assessment.

It was noted that QPS has extensive experience in certification and inspection, but has not had the opportunity to demonstrate its ability to produce IECEx Quality Assessment Reports (QARs).

19. RECOMMENDATION

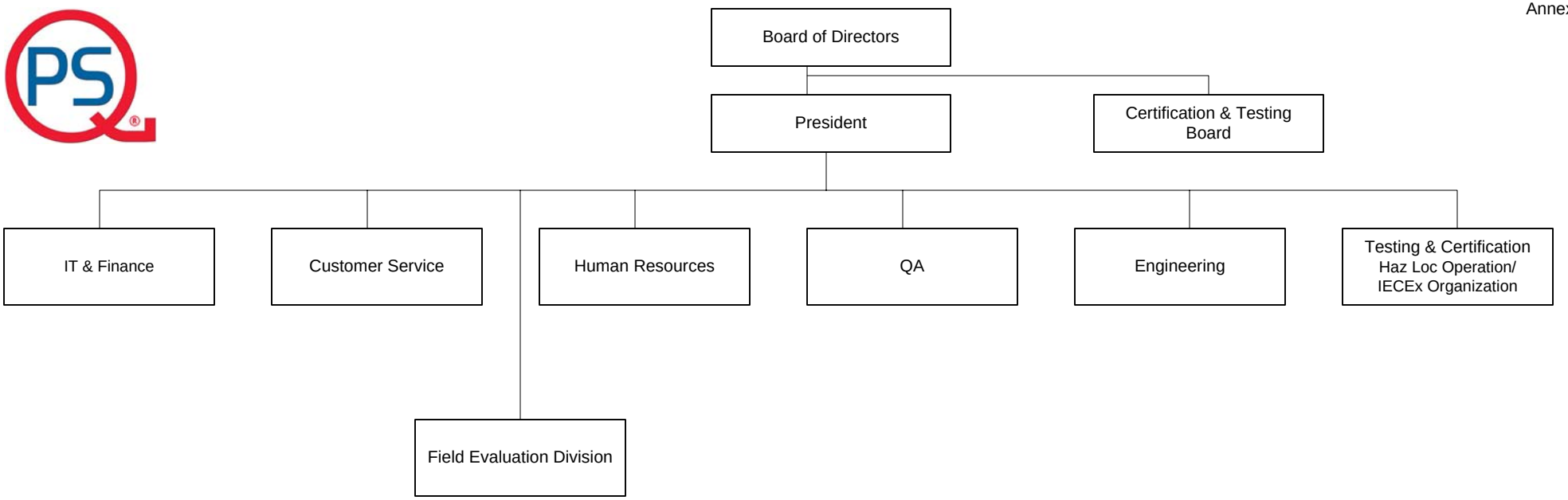
Based on the initial assessment from 29 November to 1 December 2006, the assessment team recommends acceptance of QPS as an ExCB.

Jim Munro Team Leader Chairman Panel of Assessors	Heinz Berger Assessor, IECEx Officer	Alexander Zalogin Assessor, NANIO CCVE

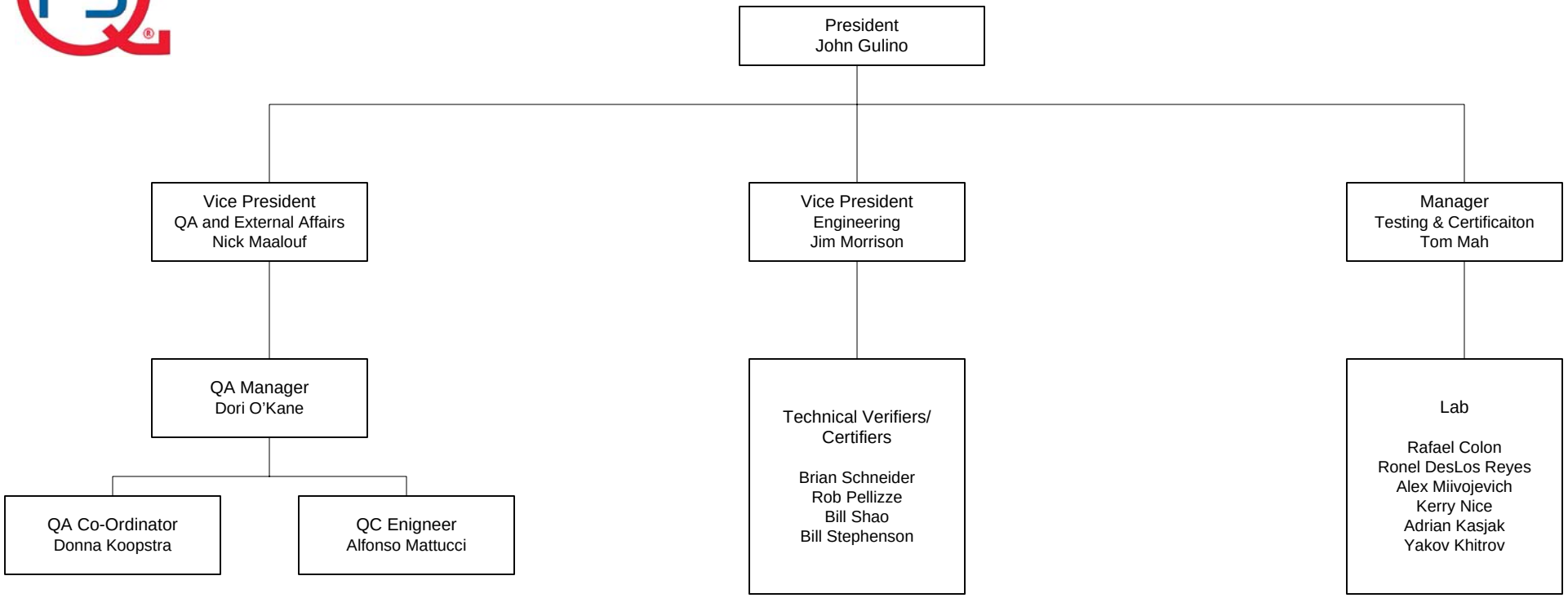
Date: 9 January 2007

List of Annexes:

1. Overall Organization Chart of QPS
2. Organization Chart of the QPS Hazard Location Department
3. Accreditation Certificate Product Certification (Subject Areas Of Accreditation attached)
4. Accreditation Certificate Inspection Body


Board of Directors
President
Certification & Testing Board
IT & Finance
Customer Service
Human Resources
QA
Engineering
Testing & Certification
Haz Loc Operation/
IECEx Organization
Field Evaluation Division

Haz Loc Operation
IECEx Organization Chart



ANNEX 3

CERTIFICATE OF ACCREDITATION

Standards Council of Canada
Conseil canadien des normes

CERTIFICAT D'ACCRÉDITATION

QPS EVALUATION SERVICES, INC.

81 Kelfield Street, Unit 8, Toronto, Ontario

having been assessed under the authority of the *Standards Council of Canada Act* and found to comply with the criteria established by the Council is hereby recognized as an

ACCREDITED CERTIFICATION BODY

in specific subject areas as identified under "Product Certification – Accredited Clients" on www.scc.ca

ayant été soumis à une évaluation selon la *Loi sur le Conseil canadien des normes* et ayant été trouvé conforme aux critères établis par le Conseil est de fait reconnu comme étant un

ORGANISME DE CERTIFICATION ACCRÉDITÉ

dans les domaines d'activité spécifiés à l'adresse : www.ccn.ca sous la rubrique « Certification des produits – Clients accrédités ».

Accreditation date: / Date d'accréditation : 2004-11-29

Issued on: / Délivré le : 2004-11-29

Expiry date: / Date d'expiration : 2008-11

Chairman (SCC) / Président (CCN)

Assessment performed according to the *General Requirements for Bodies Operating Product Certification Systems* (CAN-P-3) (ISO/IEC Guide 65), the *Additional Requirements for Accreditation of Certification Bodies* (CAN-P-1500) and other requirements. To verify the validity of the certificate, please see the listing of Accredited Clients on www.scc.ca

Évaluation effectuée conformément aux *Exigences générales relatives aux organismes procédant à la certification de produits* (CAN-P-3) (Guide ISO/CEI 65), aux *Exigences supplémentaires relatives à l'accréditation des organismes de certification* (CAN-P-1500) et autres exigences. Pour vérifier la validité du présent certificat, consultez la liste des clients accrédités à l'adresse www.ccn.ca

QPS EVALUATION SERVICES, INC. (Addition to Annex 3)

81 Kelfield Street, Unit 8
TORONTO, ON
M9W 5A3
Telephone: (416) 241-8857
Telefax: (416) 241-0682
Email: nmaalouf@qps.ca

CERTIFICATION MARK

SUBJECT AREAS OF ACCREDITATION

Electrical and Electronic products and components for compliance with standards for quality, performance and safety, such as for:

- Communications, audio, audio-visual, telephones, televisions, projectors, stage and studio equipment, musical instruments.
- Electrical instrumentation and controls, switchgear, panels, valve actuators, motors, relays, switches, tools, transformers, cables.
- Electrical appliances, heaters, dishwashers, lighting lamps and fixtures, luminaires, medical devices for diagnostics and treatment..
- Electrical Hazardous Location Equipment, pertaining to electrical equipment for use in hazardous locations Class I (Zones 0, 1, 2); Class I (Divisions 1, 2); Class II (Divisions 1, 2) and Class III (Divisions 1, 2) as defined in the Canadian Electrical Code.

ICS No.	Title	Purpose
11.040.10	Aneasthetic, respiratory and reanimation equipment	Electrical Safety
11.040.20	Transfusion, infusion and injection equipment	Electrical Safety
11.040.30	Surgical instruments and materials	Electrical Safety
11.040.50	Radiographic equipment	Electrical Safety
11.040.55	Diagnostic equipment	Electrical Safety
11.040.60	Therapy equipment	Electrical Safety
11.060.20	Dental equipment	Electrical Safety
11.140	Hospital equipment	Electrical Safety
13.260	Protection against electric shock	Electrical Safety
13.310	Protection against crime	Electrical Safety
13.320	Alarm and warning systems	Electrical Safety
19.080	Electrical and electronic testing	Electrical Safety
21.180	Housings, enclosures, other machine parts	Safety
23.080	Pumps	Electrical Safety

23.100.50	Control components	Electrical Safety
23.120	Ventilators. Fans. Air-conditioners	Electrical Safety
23.140	Compressors and pneumatic machines	Electrical Safety
25.040.40	Industrial process measurement and control	Electrical Safety
25.080.10	Lathes	Electrical Safety
25.080.20	Boring and milling machines	Electrical Safety
25.080.25	Planing machines	Electrical Safety
25.080.30	Broaching machines	Electrical Safety
25.080.40	Drilling machines	Electrical Safety
25.080.50	Grinding and polishing machines	Electrical Safety
25.080.60	Sawing machines	Electrical Safety
25.140.20	Electric tools	Electrical Safety
25.160.30	Welding equipment	Electrical Safety
25.180.10	Electric furnaces	Electrical Safety
27.080	Heat pumps	Electrical Safety
29.020	Electrical engineering in general	Safety, Performance
29.060.10	Wires	Electrical Safety and Performance
29.060.20	Cables	Electrical Safety and Performance
29.080.30	Insulation systems	Electrical Safety
29.100.10	Magnetic components	Electrical Safety
29.100.20	Electrical and electromechanical components	Electrical Safety
29.120.10	Conduits for electrical purposes	Electrical Safety
29.120.20	Connecting devices	Electrical Safety
29.120.30	Plugs, socket-outlets, couplers	Electrical Safety
29.120.40	Switches	Electrical Safety
29.120.50	Fuses and other overcurrent protection devices	Electrical Safety
29.120.70	Relays	Electrical Safety
29.130.10	High voltage switchgear and controlgear	Electrical Safety
29.130.20	Low voltage switchgear and controlgear	Electrical Safety
29.140.10	Lamp caps and holders	Electrical Safety
29.140.20	Incandescent lamps	Electrical Safety
29.140.30	Fluorescent lamps. Discharge lamps	Electrical Safety, Energy Efficiency
29.140.40	Luminaires	Electrical Safety
29.140.50	Lighting installation systems	Electrical Safety
29.160.20	Generators	Electrical Safety
29.160.30	Motors	Electrical Safety
29.160.40	Generating sets	Electrical Safety
29.180	Transformers. Reactors	Electrical Safety
29.200	Rectifiers. Convertors. Stabilized power supply	Electrical Safety
29.260.10	Electrical installations for outdoor use	Electrical Safety
29.260.20	Electrical apparatus for explosive atmospheres	Electrical Safety
31.040.10	Fixed resistors	Electrical Safety
31.040.20	Potentiometers, variable resistors	Electrical Safety
31.040.30	Thermistors	Electrical Safety
31.060.10	Fixed capacitors	Electrical Safety
31.060.20	Ceramic and mica capacitors	Electrical Safety
31.060.30	Paper and plastics capacitors	Electrical Safety
31.060.40	Tantalum electrolytic capacitors	Electrical Safety
31.060.50	Aluminum electrolytic capacitors	Electrical Safety
31.060.60	Variable capacitors	Electrical Safety
31.060.70	Power capacitors	Electrical Safety
31.100	Electronic tubes	Electrical Safety
31.120	Electronic display devices	Electrical Safety
31.160	Electric filters	Electrical Safety

31.180	Printed circuits and boards	Electrical Safety
31.190	Electronic component assemblies	Electrical Safety
31.220.10	Plug-and-socket devices. Connectors	Electrical Safety
31.220.20	Switches	Electrical Safety
31.260	Optoelectronics. Laser equipment	Electrical Safety
33.040.40	Data communication networks	Electrical Safety
33.050.10	Telephone equipment	Electrical Safety
33.060.20	Receiving and transmitting equipment	Electrical Safety
33.160.20	Radio receivers	Electrical Safety
33.160.25	Television receivers	Electrical Safety
33.160.30	Audio systems	Electrical Safety
33.160.40	Video systems	Electrical Safety
33.160.50	Accessories	Electrical Safety
33.160.60	Multimedia systems and teleconferencing equipment	Electrical Safety
35.020	Information technology (IT) in general	Electrical Safety
35.160	Microprocessor systems	Electrical Safety
35.180	IT terminal and other peripheral equipment	Electrical Safety
35.260	Office machines	Electrical Safety
37.040.10	Photographic equipment. Projectors	Electrical Safety
39.040.20	Clocks	Electrical Safety
43.040.10	Electrical and electronic equipment	Electrical Safety and Performance
43.040.20	Lighting, signalling and warning devices	Electrical Safety
43.060.50	Electrical and electronic equipment. Control systems	Electrical Safety and Performance
47.020.60	Electrical equipment of ships and of marine structures	Electrical Safety
55.040	Packaging materials and accessories	Safety
55.200	Packaging machinery	Electrical Safety
55.230	Distribution and vending machines	Electrical Safety
61.080	Sewing machines and other equipment for the clothing industry	Electrical Safety
79.120.10	Woodworking machines	Electrical Safety
91.140.50	Electricity supply systems	Electrical Safety
91.140.65	Water heating equipment	Performance, Energy Efficiency and Safety
91.160.10	Interior lighting	Electrical Safety
91.160.20	Exterior building lighting	Electrical Safety
93.080.40	Street lighting and related equipment	Electrical Safety
97.030	Domestic electric appliances in general	Electrical Safety
97.040.20	Cooking ranges, working tables, ovens and similar appliances	Performance, Energy Efficiency and Safety
97.040.30	Domestic refrigerating appliances	Electrical Safety
97.040.40	Dishwashers	Electrical Safety
97.040.50	Small kitchen appliances	Electrical Safety
97.060	Laundry appliances	Electrical Safety
97.080	Floor treatment appliances	Electrical Safety
97.100.10	Electric heaters	Electrical Safety
97.130.20	Commercial refrigerating appliances	Electrical Safety
97.170	Body care equipment	Electrical Safety
97.195	Items of art and handicrafts	Electrical Safety
97.200.10	Theatre, stage and studio equipment	Electrical Safety
97.200.20	Musical instruments	Electrical Safety
97.200.50	Toys	Electrical Safety

ANNEX 4

CERTIFICATE OF ACCREDITATION

Standards Council of Canada
Conseil canadien des normes

CERTIFICAT D'ACCRÉDITATION

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in specific subject areas as identified under "Inspection Bodies – Accredited Clients" on www.scc.ca

ayant été soumis à une évaluation selon la *Loi sur le Conseil canadien des normes* et ayant été trouvé conforme aux critères établis par le Conseil est de fait reconnu comme étant un

ORGANISME D'INSPECTION ACCRÉDITÉ

dans les domaines d'activité spécifiés à l'adresse : www.ccn.ca sous la rubrique « Organismes d'inspection – Clients accrédités ».

Accreditation date: / Date d'accréditation : 2004-11-29

Issued on: / Délivré le : 2004-11-29

Expiry date: / Date d'expiration : 2008-11

Chairman (SCC) / Président (CCN)

Assessment performed according to the *General Criteria for the Operation of Various Types of Bodies Performing Inspection* (CAN-P-8) (ISO/IEC 17020: 1998) and other requirements. To verify the validity of the certificate, please see the listing of Accredited Clients on www.scc.ca.

Évaluation effectuée conformément aux *Critères généraux pour le fonctionnement de différents types d'organismes procédant à l'inspection* (CAN-P-8) (ISO/CEI 17020: 1998) et autres exigences. Pour vérifier la validité du présent certificat, consultez la liste des clients accrédités à l'adresse www.ccn.ca.