



ExMC/146/R
2002 10

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC SCHEME FOR CERTIFICATION TO STANDARDS FOR SAFETY OF ELECTRICAL EQUIPMENT FOR EXPLOSIVE ATMOSPHERES (IECEx SCHEME)

**Title: IECEx Assessment Report for the acceptance of LCIE S.A as an
Accepted Certification Body within the IECEx Scheme.**

This document contains the IECEx Assessment Report for LCIE S.A

Following assessment the Assessment team recommends acceptance of LCIE S.A
as an Accepted Certification Body within the IECEx Scheme.

Due to the overall size of the document only Annexes 1, 2 and 7 are attached. Other
Annexes will be available for perusal, if required during the Meeting.

This report has been issued for consideration during the next ExMC
Meeting being held in Seoul October 2002 under Item 8 of Draft Agenda
ExMC/127B/DA.

LCIE have requested that the following be recorded in relation to the overall timing of
their assessment

- 1) The major first reason is that LCIE was considering that the Scheme had no
interest without USA and China. China and USA have joined therefore our attitude has
changed.
- 2) The second major reason is that LCIE considered that the initial rules governing the
scheme were incomplete. Fortunately, a great progress has been done so far, allowing
LCIE to maintain its interest in the Scheme.

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IECEX ASSESSMENT REPORT
(ACCEPTED CERTIFICATION BODY-ACB)

1. PROFILE OF ASSESSMENT

1.1 : **FRANCE**

1.2 Name of Candidate A CB

LCIE S.A
33, Avenue du General Leclerc
92260 Fontenay aux Roses
FRANCE

1.3 Name And Title Of Principal Contact

Name	Title
Michel Brenon	Deputy Director for Certification

1.4 Members Of The Assessment Team

Mr Roy Jacobi (Lead Assessor)
Dr Jockers (Technical expert)
V.K. Varma (Technical expert)

Note: Owing to claimed accreditation, visit performed only by lead assessor.

1.5 Place And Date Of Assessment

Assessment was conducted on the TL operations on 9 July 1998 but were discontinued for the ACB since accreditation scope for LCIE S.A certification functions did not include Ex equipment certification. Notwithstanding this, same commonality of functions for both TL and ACB operations were determined during the assessment and these can be credited to the assessment of the ACB. Where issues of commonality occur between the TL operations and ACB operations, these are noted.

Subsequent to the TL assessment, LCIE S.A obtained accreditation for Ex equipment certification functions on 3rd of August 2000. COFRAC Accreditation No 5-014197 refers (See Appendix VII). LCIE S.A. provided some information subsequent to the accreditation in response to requests from the lead assessor however complete details were not forthcoming until the update by electronic correspondence received late August 2002.

1.6 Assessment References

Documents:

- i) IECEx 04 First Edition 1995-03
- ii) ExCC/27/iNF November 1997
- iii) ISO/IEC Guide 65 1996 (Superseding ISO/IEC Guide 40)



1.7 Scope Of Application

Determine which of the following standards are covered by accreditation:

Product Category	Standard*
General Requirements	IEC 60079-0
Flameproof Enclosures	IEC 60079-1
Pressurised Enclosures	IEC 60079-2
Sand-Filled Apparatus	IEC 60079-5
Oil-Immersed Apparatus	IEC 60079-6
Increased Safe	IEC 60079-7
Intrinsic Safe	IEC 60079-11
Type "n" Protection	IEC 60079-15
Type "m" Protection (encapsulation)	IEC 60079-18
Apparatus for combustible dust atmospheres	IEC 61241-1-1

*Last edition

1.8 Candidate ACB Persons Interviewed

Name	Position
Mr M. Brenon	Deputy Director for Certification
Mr D Gaillard ⁰	Head of <u>LCIE</u> Quality Department
Mr P. Fournier*	Quality Department

⁰Replaced by Mr. H. CERVELLO since April 2001

*Replaced by Miss S. LETHEULE since April 2001

1.9 Associated Testing Laboratories

LCIE S.A ACB and TL are integrated functions.

1.10 Associated Certification Functions

ISO 9000 audits are an integrated part of the LCIE S.A certification process.

Auditors who perform ISO 9000 audit activities relating to Ex activities undergo training by AFNOR (Association Française de Normalisation) and then undergo supervised auditing accompanied by qualified and/or registered lead auditors prior to qualification by LCIE S.A. A number of auditors also have qualifications with Ex technical matters.

Experience is also described from audits performed within the scope of ATEX Directive 94/9/CE (see Appendix IV and VII of the Directive, attached Appendix IV and see the European ATEX Notified Bodies Group document (audit reference) ref. 98/06/005/DS and pr EN 13 980 that are attached in appendix V.

1.11 National Marks And Certificates

Certificates are issued on the basis of product conformity to Ex standards. (French and European) This includes the Directive 94/9/CE.



1.12 History

LCIE S.A has been functioning in France for more than 30 years, operating under the laws of France as an authorised body to issue conformity certificates for Ex equipment. When LCIE S.A became registered as a company in 1996, it absorbed the certification services previously under the control of UTE. (Union Technique de l'Electricite acting in the field of ATEX on behalf of AFNOR). On 5th March 2000, LCIE S.A. came under new ownership when it was purchased by Bureau Veritas.

2. ORGANISATION

2.1 Legal Entity Of The Candidate ACB

LCIE S.A is registered as a company with the French Department of Commerce (Registration B 408 363 174). The Test Laboratory is a department that functions under the organisational. structure of LCIE S.A.

2.2 Financial Stability

LCIE S.A is governed by the ATEX directive (Annex 11) to have liability insurance. LCIE S.A financials are controlled through the provisions required of limited companies.

2.3 Impartiality

Shareholders consist of 100% Bureau Veritas*.

The impartiality is covered through accreditation to IEC/ISO guide 65/EN 45004.

*Since 5th of March 2001.

2.4 Organisational Structure

References at Appendix I, II and III.

2.5 Senior Executives and their functions

Name	Title	Responsibility and Authority
Jean-Pierre Gome ¹	Chief Executive Officer	Management of LCIE S.A (1) (2)
Isabelle Heller	Certification Manager	LCIE S.A Certification Department Committee (1) (2)
Michel Brenon	Deputy Certification Manager	LCIE SA Certification Department (1) (2)
Severine Letheule ²	Quality Manager	Implementation and supervision of quality system.

(1). Those responsible for decisions relating to granting, maintaining, extending, suspending and withdrawal of certification.

(2). Those responsible for performance of inspection, evaluation and certification, formulation of policy relating to operations, supervision of implementation of policy, supervision of finance, delegation of authority and formulation of technical basis for granting certification.



¹Since 29th of June 2001

²Since April 2001

2.6 Name, Title and Experience of the "Quality Management Representative"

Name	Title	Experience
Severine Letheule	Quality Manager	See attached resume

2.7 Name and Title of Signatory/s for Certification

Name	Title	Comments
Jean-Pierre Gomel	Chief Executive Officer	Management of LCIE S.A (1)(2)
Isabelle Heller	Certification Manager	LCIE S.A Certification Department Committee (1)()2
Michel Brenon	Deputy Certification Manager	LCIE Certification Department (1) (2)

- (1). Those responsible for decisions relating to granting, maintaining, extending, suspending and withdrawal of certification.
- (2). Those responsible for performance of inspection, evaluation and certification, formulation of policy relating to operations, supervision of implementation of policy, supervision of finance, delegation of authority and formulation of technical basis for granting certification.

2.8 Employees

Function	Numbers	Training/Qualifications
Operation(s) manager(s)	1	See appendix III
Supervisors	1	See appendix III
Engineers	2	See appendix III
Technicians	2	See appendix III

Include verification details of ISO 9000, verification of Quality System under Annex IV and VII of Directive 94/9/CE, audit credentials of staff eg., Registered by IRCA or national equivalent or internally qualified.

3. RESOURCES

Assessment based on COFRAC accreditation as satisfactory. From interview it was established that additional resource may be considered for ISO 9000 activities through contracting suitable organisations or registered individuals. Preference would normally be for AFAQ, BVQI or BSI.

4. COMMITTEES

LCIE S.A is currently participating to different subcommittees of CENELEC TC31 (Experts) and has held the position of Secretary for SC31D "p" IEC.

4.1 Committees and their Functions



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Ex TAG	Michel BRENON	Secretary/French representative to National Committee
IECEX CMC	Michel BRENON	Representative to National Committee
UTE/CEF31 (1)	Michel EQUI Marc GILLAUD Michel BRENON	LCIE expert LCIE expert LCIE expert
ExNB Group	Marc GILLAUD	LCIE delegate
CLATEX (2)	Marc GILLAUD	LCIE delegate
CEN/TC305	Michel BRENON	Delegate in French committee
CENELEC/TC31	Marc GILLAUD Michel EQUI	Delegate in French committee Dele ate in French committee
Appeal committee ISO 65	Isabelle HELLER	LCIE representative
SC31D (IEC)	Michel BRENON	Former secretary

(1) Comité Électrotechnique Français (UTE)

(2) Comité de Liaison Atmospheres Explosibles (Governmental)

5. CERTIFICATION OPERATIONS

5.1 National Approval/Certification Methods

CASCO level 5 certification activities.

5.2 Certification Policy

Controlled by the ATEX directive.

ExNB 98/06/005 DS.doc

And see also attached IECEx Certification Rules (in French)

5.3 Competencies

Certification Activity	Competence Level of person/organisation performing work	Applicable Standard/Does
Product Assessment evaluation	SENIOR	ISO 65/ EN 450011 / Rules for IECEx certification*
Factory pre-certification quality system audits*	SENIOR	CENELEC M6 / 98/06/005DS
Quality system surveillance audits*	SENIOR	ISO 9000, 98/06/005DS

*See Appendix VI

5.4 Staff Work Instructions

Accepted on the basis of COFRAC accreditation.

5.5 Application for Certification

Accepted on the basis of COFRAC accreditation.



6. CERTIFICATION EXPERIENCE

Numbers of issued certificates in preceding two years

Type Protection	IEC Standard	Test reports issued
Flame proof "d"	79-01	192
Pressurised enclosure "p"	79-02	48
Powder filling "q"	79-05	4
Oil Immersed "o"	79-06	4
Increased safety "e"	79-07	116
Intrinsic safety "i" -	79-11	171.
Non-sparking "n"	79-15	22
Encapsulation "m"	79-18	26

Note: above figures are based on Cenelec standards.

6.1 National Differences To IEC Standards

See documents sent to the IECEx Secretary on behalf of French National Committee.

7. QUALITY SYSTEM

7.1 Quality Manual

Accepted on the basis of accreditation by COFRAC.

7.2 Documentation

Accepted on the basis of accreditation by COFRAC.

7.3 Procedures

Accepted on the basis of accreditation by COFRAC.

7.4 Records

Accepted on the basis of accreditation by COFRAC.

8. CONFIDENTIALITY

Accepted on the basis of accreditation by COFRAC.

9. PUBLICATIONS

Accepted on the basis of accreditation by COFRAC.

10. APPEALS

Regulated according to ISO 65/EN 45011, LCIE Certification Management Committee is the last instance in LCIE S.A. Process is first contacted, if problem is not solved then appeal to:

- (1) Certificate signatory, if problem is not solved then appeal to:
- (2) Deputy Certification Manager, if problem is not solved then appeal to
- (3) Certification Manager, if problem is not solved then appeal to
- (4) Certification Management Committee, if problem is not solved then appeal to



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- (5) IECEx or Ministry of Industry (ATEX Committee) depending if problem is in regulatory or voluntary area.

11. NATIONAL ACCREDITATION

Accreditation by COFRAC with scope to cover Ex product certification.

12. RECOGNITION AND AGREEMENTS

LCIE S.A has MOU's with QAS, FM, UL, CSA, Test safe.

LCIE S.A is recognized by US Coast Guard since end of 2001 (IEC series 60079 and UL 913).

13. COMMENTS

The latest data received from LCIE S.A. in response to requests from the lead assessor has arrived 4 years after the assessment visit which was discontinued as a result of non-accreditation of the certification operations of LCIE.

During this time, the Ownership of LCIE S.A. has changed from essentially an industry committee governed operation to a fully owned subsidiary of Bureau Veritas (5th March 2000). Personnel and organizational structure and responsibilities appear to be much the same.

A review of the updated information with the latest received in August 2002 from LCIE S.A., provides evidence that CORFRAC accreditation now includes scope for the evaluation of equipment covered under the IECEx scheme. QMS elements of the scheme will be contracted to other accredited parties.

14. RECOMMENDATION

The recommendation of the lead assessor is for full acceptance of LCIE S.A. for the scope of Standards claimed. Owing to the time duration between the assessment visit by the lead assessor and the provision of all data from LCIE S.A. and the potential effect of operation under new ownership, it is recommended that the five year re-assessment for the Certification body and associated TL be calculated from the date of the original assessment visit.

Signatures:

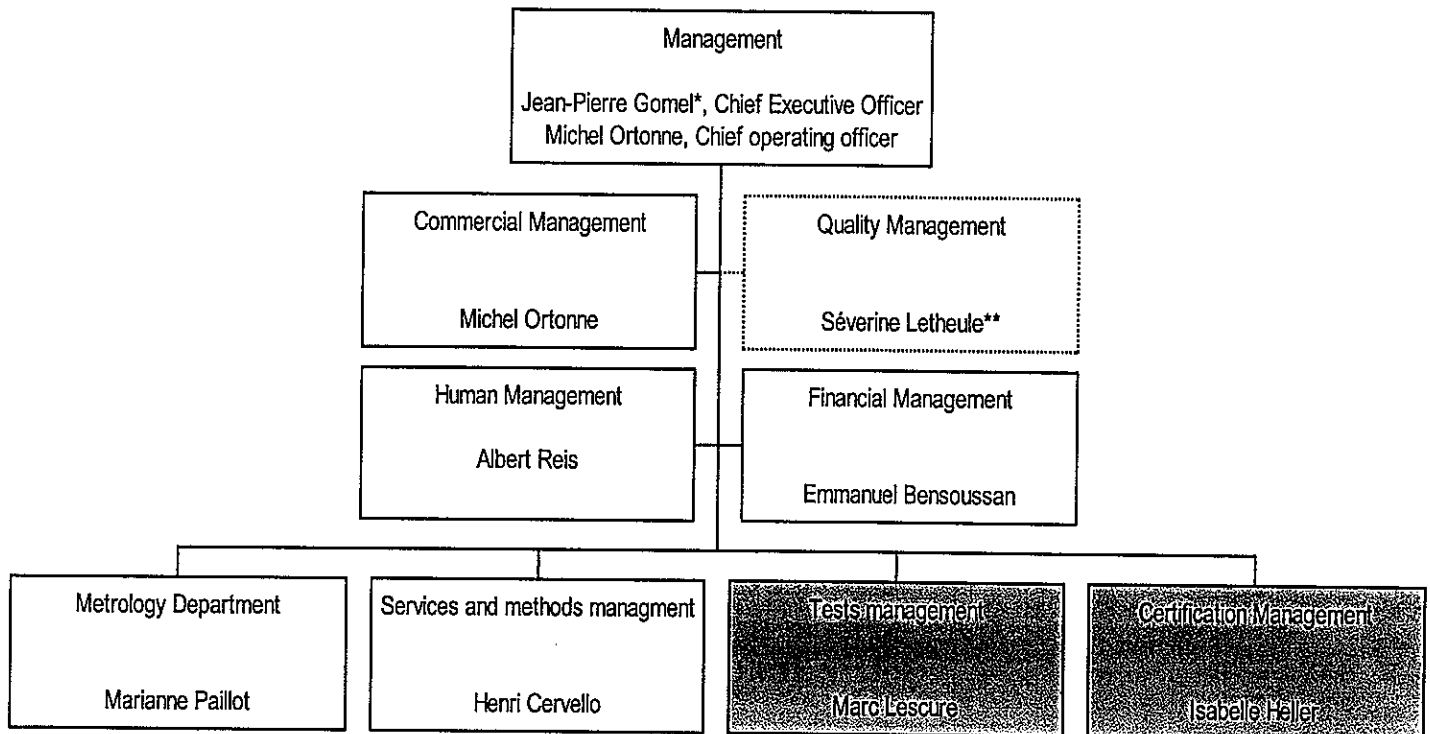
A handwritten signature in black ink, appearing to be 'R. Paul', is written over a horizontal dashed line.

APPENDIX I

Organization of LCIE S.A.



Organization of LCIE S.A



* Since 29th of June 2001

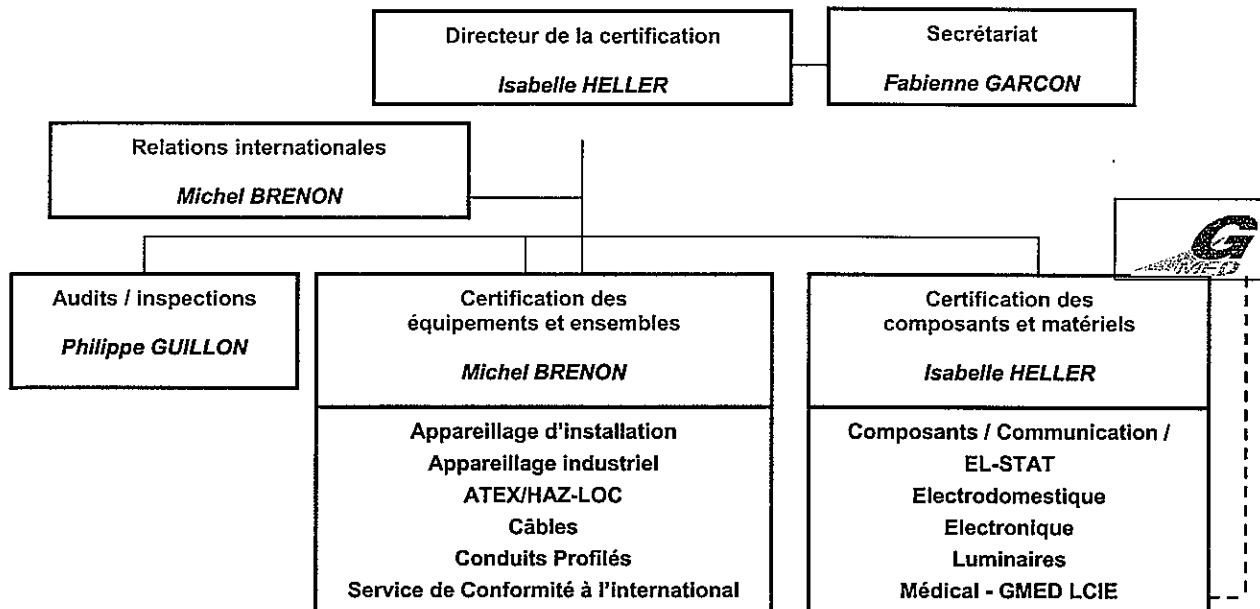
** Since April 2001

APPENDIX II

**Organization of Certification management
on July 1st, 2002**

NOTE D'ORGANISATION CERT N°1n

Organigramme nominatif de la direction de la certification au 1^{er} juillet 2002



Domaine	Responsables de certification
Appareillage d'installation	Roland GRESSE
Appareillage industriel (ASEFA / Certifelec)	Jean-François BRUEL
Atmosphères Explosibles	Marc GILLAUX *
Câbles	Jean-Paul RAYNAL
Conduits / Profilés	Roland GRESSE
Composants électroniques - SNQ	Philippe GUILLON
Equipements de communication	Philippe GUILLON
Electricité statique	Didier BOURGES
Matériels électrodomestiques	Didier BOURGES
Appareils électriques autonomes de sécurité	Rémi HANOT
Eclairage de blocs opératoires	Rémi HANOT
Luminaires	Rémi HANOT
Matériel médical – GMED / LCIE	Michel GREC
Tensionmètres	Michel GREC
Matériel électronique / traitement de l'information	Vincent TRAVERS
Compatibilité électromagnétique / Marque ouverte	Chaque responsable pour son secteur
Service de Conformité à l'International - GS	Vincent TRAVERS
Attestations CE de type pour EPI	Vincent TRAVERS

(Pour l'ensemble de ses activités, Vincent TRAVERS est rattaché à Michel BRENON).

* après qualification

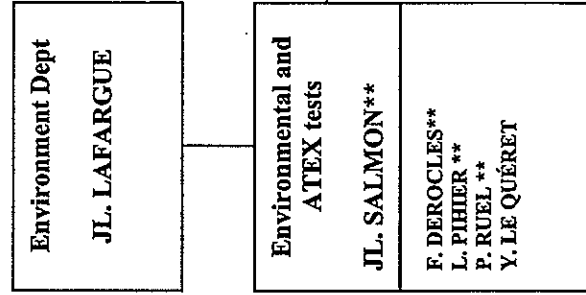
<u>Diffusion papier</u> : Comité de Direction Personnel de la Direction de la certification Accès INTRANET <u>Original</u> : Secrétariat de la Direction de la Certification	Revue et approbation 2002/07/01 Isabelle HELLER Directeur de la Certification
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APPENDIX III

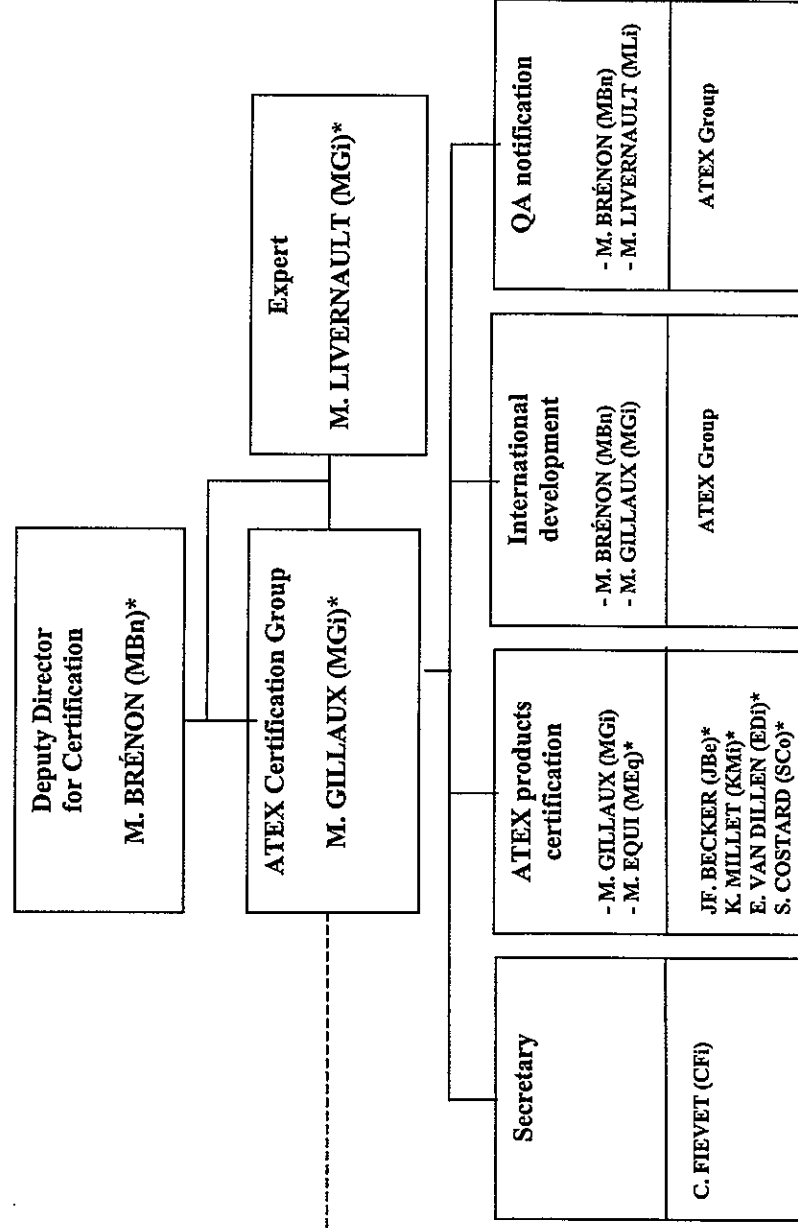
FONCTIONNAL DIAGRAMM

FONCTIONNAL DIAGRAMM

Tests organisation according to ISO 25



HAZLOC certification and organisation according to ISO 65



** CV attached (See Ex TL Doc)

* Cv attached (See ACB Doc)

EVALUATION STAFF

Standards	JBe	MEq	EDi	KMi	MGi	SCo
IEC 60079-0	X	X	X	TRAINING	X	X
IEC 60079-1	X	X	X		X	
IEC 60079-2	X	X			X	
IEC 60079-5	X	X			X	
IEC 60079-6	X	X			X	
IEC 60079-7	X	X	X		X	
IEC 60079-11		X	T		T	X
IEC 60079-15	X	X	X		X	
IEC 60079-18	X	X			X	
EN 50039		X				X
Date of Qualification	1994	1992	2001	–	1984	1996

T = Training

VERIFICATION STAFF

Standards	MGi	MEq
IEC 60079-0	X	X
IEC 60079-1	X	X
IEC 60079-2	X	X
IEC 60079-5	X	X
IEC 60079-6	X	X
IEC 60079-7	X	X
IEC 60079-11		X
IEC 60079-15	X	X
IEC 60079-18	X	X
EN 50039		X
Qualification	*	1997

As a rule, an evaluation person cannot be a verification person on the same project

* See note of organization CERT N° 65 attached

AUDITOR STAFF

According to Annexes IV (ISO 9002 Based) and (ISO 9003 Based) of Directive 94/9/EC

Position	MBn	MLi	JBe	MEq	EDi	MGi	SCo
Lead auditor	X	X					
Auditor			X	X ⁽¹⁾			
Pre auditor					X ⁽²⁾		X
Observer						X ⁽²⁾	
Qualification	1994	1984	1997	1997	2002		2000

(1) In training to be lead auditor

(2) In training to be auditor

NB : Training is done on the basis of ISO 9002 (1994) or ISO 9001 (2000)

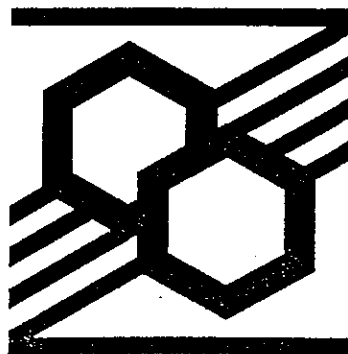
DECISION : M. BRÉNON (since 1995)

APPENDIX VII

**COFRAC ACCREDITATION N° 5.014/97
FOR CERTIFICATION**

Updated with amendment n° 3

cofrac



**CERTIFICATION
DE PRODUITS
INDUSTRIELS**

Diplôme d'Accréditation

Ce document atteste que :

LCIE

(Laboratoire Central des Industries Electriques)

33, avenue du Général Leclerc BP 8 - 92260 FONTENAY-AUX-ROSES

est accrédité par la Section « Produits Industriels » du COFRAC pour la

Certification de produits industriels

sous le numéro 5-014/97

*La portée et la validité de l'accréditation sont précisées dans l'attestation ou
l'avenant en vigueur qui lui a été délivré.*

Le Président
du Comité de Section :

Fait à Paris, le 11 juin 1997.

Le Directeur du Cofrac :

ATTESTATION D'ACCREDITATION

Avenant n° 3 : Extension d'accréditation
 Annule et remplace l'avenant n° 2

Bénéficiaire :

LCIE

33, avenue du Général Leclerc
 92260 FONTENAY-AUX-ROSES

Numéro d'accréditation : 5-014/97

NF EN 45011 et règles d'application du COFRAC

Extension de la portée d'accréditation :

Certification selon la norme NF EN 45011 des produits industriels suivants :

NATURE DES PRODUITS CERTIFIES	REFERENTIELS
<u>Marque NF dans le cadre d'un mandatement par l'AFNOR</u>	Règlement technique NF n°
★ Conducteurs et cables électriques	003
★ Conduits profilés et matériels analogues pour canalisation électriques	004
★ Composants électroniques	011
★ Appareillages électriques domestiques et analogues	012
★ Appareils électriques autonomes de sécurité	015
★ A2P Détection d'intrusion	086
★ Electricité Appareils électrodomestiques	089
★ Performance Appareils Electrodomestiques	089
★ Luminaires	105
★ Matériels électriques non couverts par une application particulière	208
★ Machines de protection charge électrostatique	213
★ Sécurité des appareils électriques de mesurage et de régulation de laboratoire	Référentiel GS-LCIE fondé sur les normes : NF EN 61010 CEI 1010
★ Sécurité des matériels de traitement de l'information y compris les matériels de bureau électriques et les écrans	NF EN 60950 CEI 950

<p>★ <i>Sécurité des appareils électroniques et appareils associés, à usage domestique ou à usage général, reliés à un réseau, appareils de hi-fi, TV, video</i></p> <p>★ <i>Sécurité des appareils électrodomestiques et analogues y compris appareils chauffants et appareils pour cuisines industrielles</i></p> <p>★ <i>Sécurité des luminaires</i></p> <p>★ <i>Sécurité des outils électroportatifs</i></p>	<p>NF EN 60065 CEI 65</p> <p>NFC 73 100 / HD 251 51 NFC 73 200 / HD 251 53 NFC 73 600 / HD 251 52 NF EN 335-1 / CEI 335-1</p> <p>NF EN 598-1 / CEI 598-1</p> <p>NF EN 50144</p>
<p><u>Marque IECEX, sous l'autorité de la Commission Electrotechnique Internationale (C.E.I.)</u></p> <p>★ <i>Matériels électriques destinés à être utilisés en atmosphères explosives</i></p>	<p><u>Règlement LCIE :</u> Reg-IECEX</p> <p><u>Publications C.E.I. :</u> IECEX 01 IECEX 02</p>

Périmètre d'accréditation :

Certifications délivrées par le site de FONTENAY-AUX-ROSES pour tous pays.


Cette attestation d'accréditation prend effet à compter du : **3 août 2000**

Jusqu'à la date de fin d'accréditation : **31 mai 2005**

Pour le COFRAC

fait à PARIS, le 3 août 2000

Le Directeur du COFRAC


Daniel PIERRE