




Both a national and an international recognition

Accreditation, certification, recognition, official designation and certification agreements

<p>Recognition of quality – Accreditation and certification</p> <p><i>LCIE is accredited by the French Committee for Accreditation (COFRAC) for most of its testing, product certification and quality systems activities. LCIE is also certified under the standard ISO 9001.</i></p>	<p>Recognition of quality – Accreditation and certification</p> <p>Accreditation N° 1-1633 (Moirans Premises):</p> <ul style="list-style-type: none"> Electromagnetic compatibility – emission (program No 27-1) Electromagnetic compatibility – immunity (program No 107) Electromagnetic compatibility – Tests on telecommunication terminals (program No 120) IT equipment: electrical safety testing (program No 27-2) Medical devices (not associated to any program) 	<p>Recognition of quality – Accreditation and certification</p> <p>COFRAC Accreditation for Products Certification -NF EN 45011 – Guide ISO/IEC 65</p>
<p>COFRAC Accreditation for Tests NF EN ISO/IEC 17025-</p>	<p>Accréditation N° 1-2230 (Pulversheim Premises) :</p> <ul style="list-style-type: none"> Electromagnetic compatibility – emission (program No 27-1) Electromagnetic compatibility – immunity (program No 107) Electromagnetic compatibility – Tests on telecommunication terminals (program No 120) 	<p> Accreditation n° 5-0014 Scope available on www.cofrac.fr</p> <p>Accreditation No 5-0014</p> <p>Industrial Products certification for the following marks:</p> <ul style="list-style-type: none"> NF for the electrical and electronic equipment, LCIE being appointed by the AFAQ AFNOR Certification (French Standards Association) IECEX for electrical equipment to be used in potentially explosive atmospheres ENEC for luminaires, lighting equipment and accessories, household appliances, data processing equipment HAR (USE) for conductors and electric cables GS: safety of electrical and electronic equipment, domestic appliances and data processing equipment CE marking for radio equipment and telecommunications terminal equipment (R&TTE) IECEE OC/CB Certificates for type conformity certification.
<p> Accreditations n° 1-0311, 1-0312, 1-1633, 1-2230 Scope available on www.cofrac.fr</p> <p>Accreditation No 1-0311 (Fontenay-aux-Roses Premises):</p> <ul style="list-style-type: none"> Switchgear components for domestic or similar installations (program No 21) Low-voltage industrial switchgear components program (program No 13) Equipment used in high or medium-voltage distribution (program No 58) Equipment for low-voltage insulated transmission line networks <ul style="list-style-type: none"> - accessories (program No 44-1) - insulated cables (program No 44-2) Equipment used to equip underground and HV/LV isolated industrial networks. Part related to accessories (program n° 44-5) Equipment used in potentially explosive atmospheres (not associated to any program) Climatic and mechanical atmosphere (program No 38) 	<p>Accréditation N° 1-2447 (Villebon Premises) :</p> <ul style="list-style-type: none"> Electromagnetic compatibility – emission (program No 27-1) Electromagnetic compatibility – immunity (program No 107) 	<p>ISO 9001 Certification</p> <p>Certification and testing for electrical and electronic products, and related products. Certificate FS 34143</p>
<p>Accreditation N° 1-0312 (Fontenay-aux-Roses premises):</p> <ul style="list-style-type: none"> Household electrical appliances and luminaires (program No 2) Electromagnetic compatibility – emission (program No 27-1) Electromagnetic compatibility –immunity (program No 107) Electromagnetic compatibility – Tests on telecommunication terminals (program No 120) Equipment: electrical safety testing (program No 27-2) Medical devices (not associated to any program) Electromagnetic dosimetry for mobile phones (SAR) (not associated to any program) 	<p>COFRAC Accreditation for Company and Personnel Certification NF EN ISO/IEC 17021</p> <p> Accreditation n° 4-0019 Scope available on www.cofrac.fr</p> <p>Accreditation No 4-0019</p> <p>- Certification of Quality Management systems according to NF EN ISO 9001: 2008 for activities according to the EA/IAF Codes No :</p> <ul style="list-style-type: none"> 14 : Rubber and plastic products 17 : Basic metal & fabricated metal products 18 : Machinery and equipment 19 : Electrical and electronic equipment 	



Other types of recognition at national level : LCIE is a Body approved by the French government for application of several technical regulations in various fields

European directives: LCIE is a notified and competent Body for the following European directives:

Fontenay-aux-Roses premises (identification No 0081)

- Low voltage – LV: notified Body (article 8)
- Electromagnetic compatibility – EMC: competent Body (article 20.2), notified Body (article 10.5)
- Equipment for potentially explosive atmospheres (94/9/EC) - ATEX: notified Body for all modules
- Machinery: notified Body for B1-B2 safety components (appendix IV)
- Personal Protective Equipment – PPE: notified Body for personal electric shock protection equipment (articles 10 and 11 A)
- R&TTE: notified Body for conformity tests on radioelectric terminals (appendixes III and IV)



Moirans premises (identification No 1905):

- Low voltage – LV: notified Body (article 8)
- Electromagnetic compatibility – EMC: competent Body (article 20.2), notified Body (article 10.5)



> Conformity Assessment – Product Certification

At national level, the French Standard Association AFAQ



AFNOR CERTIFICATION, authorizes LCIE to issue the NF mark for:

- **Electrical and electronic equipment :**
NF Electricité, NF Electricité-Performance (electrical household appliances), NF Luminaires, NF AEAS (autonomous emergency lighting units).
- **Electrical installation and communication equipment:**
 - NF and NF USE (conductors and cables, conduits and ducting, switchgear)
 - NF Réseaux COM (communication network infrastructures)
- **Other categories:**
 - NF composants électroniques (electronic components)
 - « Open » NF mark for products not mentioned above.

At European level:

- LCIE is signatory of the CCA Agreement promoting access of the other signatory countries' trademarks.

- is a Body authorized to issue the German mark **GS-Bureau Veritas** for the safety of electrical and electronic equipment and household appliances.



- Is a Body authorized by ZLS to issue the mark GS, to use the recognition tests of the electrical equipment to be used in a non-industrial environment, performed by the ADT Taiwan and the LCIE China (Shanghai) laboratories.

- Is a body authorized by ZLS to perform testing (ISO/IEC 17025) and certification (EN 45011) of electrical equipment to be used in a non-industrial environment.

LCIE also issues the following:

- **ENEC:** for luminaires, data Processing equipment, transformers, electrical household appliances, conductors and cables



- **HAR :**



cables and conductors

- **EMC :** for products meeting electromagnetic compatibility standards.



At international level

▪ **IECEE OC/CB** Certification under the aegis of the International Electrotechnical Commission (IEC) - around 50 signatory countries-

▪ **IECEx** Certification of equipment for use in potentially explosive atmospheres under the aegis of the International Electrotechnical Commission (IEC)

LCIE issues the **IECQ-CECC** mark for electronic components.



▪ **Bilateral recognition agreements with the following testing and certification bodies:**

- **IRAM** (Argentina): recognition of tests and factory inspections for access to the IRAM mark for low-voltage electrical equipment

- **SAI Global** (Australia): recognition of tests and inspections for low-voltage electrical inspection in Australia, Malaysia and Thailand

- **Japan Electrical Testing** (JET, Japan): recognition of tests and factory inspections for access to the Japanese S and PSE marks

- **PREDOM** (Poland): recognition of tests for access to the B mark for low-voltage electrical equipment

- **GOST Re** (Russia): recognition of tests and factory inspections for access to the GOST R mark, for low-voltage electrical equipment

▪ **Other mutual of agreements with the following bodies for testing and factory inspections :**

- Singapore Productivity and Standards Board (PSB, Singapore),

- ANCE (Mexico)

- Bellis (Belarus)

- UNIT (Uruguay)

- SII (Israel)

- KETI, ERI, KTL, KAITECH (Korea)

-TUV Rheinland Division UCIEE (Brazil: Recognition of factory inspections for low-voltage electrical equipment and equipment used in potentially explosive atmospheres)

▪ **Bilateral recognition agreements specific to potentially explosive atmospheres for access to the marks of the following certification bodies:**

- CQST (China)
- NEPSI/SIPAI (China)
- PCEC (China)
- FM (United States)
- KGS (Korea)
- KTL (Korea)
- TIIS (Japan)

▪ **Other official recognition**

- **Federal Communications Commission** (FCC, United States): accreditation for electromagnetic compatibility tests on various types of equipment

- **Electrical and mechanical Services Department** (EMSD, Hong Kong): recognition of tests on low voltage electrical equipment

- **US Coast Guard** (United States): recognition of tests on equipment for use in potentially explosive atmospheres

- **Jordan Institution for Standards and Metrology** (JISM/Daman Program, Jordan): recognition of tests

- **Involvement in Mutual Recognition Agreements** (MRA) between the European Union and other countries: Australia, Canada, Japan, New-Zealand.

▪ **Japan MRA :**

Conformity assessment body for telecommunication terminal equipment and radio equipment.

▪ **ASEFA:**

Testing and type certification of low and high voltage industrial switchgear, part of the European Agreement Group, LOVAG



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