

LIA Laboratory reports and certificates – explanation

LIA REPORT

Standard report provided including result of over section assessed.

- Initial type testing
- Test report
- Additional independent evaluation of test data
- Regular update of test report
- Availability in online database
- Certification logo use (*)
- HYPER LINK

TEST REPORT FORM (TRF)

Detailed test report including result of every clause assessed

- Initial type testing
- Test report
- Additional independent evaluation of test data
- Regular update of test report
- Availability in online database
- Certification logo use (*)

LIA CERTIFICATE

- Initial type testing
- Test report
- Additional independent evaluation of test data
- Regular update of test report
- Availability in online database
- Certification logo use (*)

CB CERTIFICATE

- Initial type testing
- Test report
- Additional independent evaluation of test data
- Regular update of test report
- Availability in online database
- Certification logo use (*)

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1 Introduction

There are several ways of reporting results of assessment at LIA Laboratory:

- LIA Laboratory Report,
- IECEE TRF (Test report form),
- Test Report Summary,
- LIASC Certificate,
- IECEE CB certificate

The LIA Laboratory shall be informed by customer about the way of reporting of results before the starting the testing/certification process.

LIA Laboratory report, IECEE TRF and Test report summary are test reports, not certificates. Test reports only presents data of type assessment (one sample, one test process, not on-going assessment). Those document are not listed in LIA Laboratory online certificates database <https://www.lialabcert.org.uk/certificates-search>

However, LIA Laboratory can be always contacted to confirm the validity of the test report.

In addition, client is not allowed to use LIA Laboratory certification logo. However, client can refer (on datasheet, website, installation instruction), that product was tested by LIA Laboratory.

2 Test Reports

2.2 LIA Laboratory report

The LIA Laboratory report provides the resume of the assessment. Unlike IECEE TRF it's a short version and it doesn't contain results of all tests. It's a short summary, around 8 pages.

results of partial testing, like IP tests, flammability tests (Glow wire, Needle flame, TP(a)/TP(b) test), impact tests (IK), UV-C or Blue light hazard tests, etc.

The LIA Laboratory report contains at least:

- Unique report number,
- Customer information,
- Specification of the tested product,
- Specification of the testing standard or process,
- Date of testing, date of report issue,
- Signatures of testing staff and approver,
- Results,
- Deviations from test standard explanation,
- Photo of the product.

For more information refer to document LIA Laboratory Test Report – Example

2.3 IECEE TRF

The IECEE Test Report Form, unlike the LIA Laboratory report, contains all tests results, national differences, photographs of the tested sample (front face, back side, opened product, critical components photos, etc.). The document is normally 40 pages and more (depending on the amount of attachments, photographs, national differences, etc.).

For example of IECEE TRF refer to document IECEE TRF Example.

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2.4 Test Report Summary

Test report summary is a 1 page short version of the test report. It contains all necessary information as specified in IEC ISO 17025. The test report summary always refers to the relevant test report.

Customer can request for Test report summary before the start of the testing process. However it can be requested also once test report (LIA test report or IECEE TRF) is finished.

For example of Test Report Summary refer to document Test Report Summary – Example.

3 Certificates

Certification is higher level of the product evaluation. It contains initial product assessment (by testing laboratory), additional independent evaluation of the test data (by certification body) and ongoing evaluation of the product (constructional changes, verification if product fulfills requirements of the newest version of the relevant safety standard).

There are several different types of certification (type 1a, type 3, type 5, etc.). Based on the type of certification scheme, different ongoing evaluation is required. Ongoing product verification is specified in certification scheme document. For LIA Laboratory certification schemes refer to https://www.thelia.org.uk/page/Lab_Certification_Services

In general, after successful certification process, client is awarded with a certificate, which validity can be checked online.

In addition, based on the type of certification scheme, client may be awarded with certification logo. Certification logo can be placed on product if there is a regular factory inspection conducted by certification body (LIASC schemes – LIA Laboratory Safety Certification - TSD-001, TSD-008, TSD-009). Those certificates are updated annually.

Certificates issued against type 1a certification scheme (LIASC – TSD-010 <https://www.thelia.org.uk/page/LIASCERT>, IECEE CB scheme <https://www.iecee.org/about/cb-scheme/>) can be verified online in certificates database, however client is not allowed to use certification logo. LIASC certificate (TSD-010) is valid for 3 years. Certificate can be renewed for another 3 years. In such case limited assessment of the sample will be conducted (to check for possible constructional changes or to re-test the product against requirements of the newest version of the safety standard).

IECEE CB certificate validity can be checked online. There is no official due date of the certificate, however safety standards are renewed every 3-5 years. Therefore it's recommended to update CB certificate once newer version of the safety standard is issued.

3.1 LIASC Certificate

Client can request LIASC certification before the start of the testing process. In this case LIA Laboratory certification body is involved in the testing process and communicates any issues identified during assessment with client. However, client can request for LIASC certification also once LIA Laboratory report was issued. But in this case, there may be some additional assessment required (to update existing test report).

LIASC certification can be also used to accept test report and/or certificate of other accredited testing laboratory and based on that to issue LIASC certificate. Process of acceptance test report and/or certificates of other accredited testing laboratories is explained in document TSD-010 <https://www.thelia.org.uk/page/LIASCERT>

LIASC certificate can be upgraded to IECEE CB certificate. Additional fees for certification applies and more evidence can be required.

For example of LIASC certificate refer to document LIASC Certificate – Example.

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3.2 IECEE CB Certificate

IECEE CB scheme it's international scheme owned by IECEE. There are around 50 countries that accept IECEE CB certificate. For more information about IECEE CB certification refer to <https://www.iecee.org/about/cb-scheme/>

After the successful certification process, client is awarded by CB certificate. However client is not allowed to use certification IECEE CB logo.

On client request, LIA Laboratory will issue LIASC certificate (against LIASC scheme TSD-010) together with IECEE CB certificate without any additional charge. Only condition is, that United Kingdom national differences shall be considered during assessment.

For example of IECEE CB certificate refer to document CB certificate – Example.

For CB certificates database refer to https://certificates.iecee.org/ods/cb_hm.xsp

4 Overview

4.1 Test report – Certificate comparison

	Test Report	Certificate
Initial type testing	✓	✓
Test report	✓	✓
Additional independent evaluation of test data	✗	✓
Regular update of test report	✗	✓
Availability in online database	✗	✓
Certification logo use (*)	✗	✓
(*) Note: Certification logo usage is based on type of certification schemes (IECEE CB or LIASC (TSD-010) certification doesn't allow usage of certification logo).		

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4.2 Certificates comparison

	LIASC (TSD-001, TSD-009)	LIASC Certificate (TSD-010)	IECEE CB certificate
Renewal interval	Annually	Every 3 years	No due date (1*)
Acceptance	UK, Europe (CENELEC), South Africa, Australia, New Zealand, most of countries of Middle East (Saudi Arabia accepts only CB certificates)	UK, Europe (CENELEC), South Africa, Australia, New Zealand, most of countries of Middle East (Saudi Arabia accepts only CB certificates)	IECEE member countries (2*) https://www.iecee.org/dyn/www/f?p=106:40:0
Factory audits	Annually	No factory audit	No factory audit
Product verification tests (PVT)	Annually Sample(s) is collected for PVT during the audit by auditor	No PVT	No PVT
Certification logo use (*)	Certification logo can be placed on product, product documentation and website	No certification logo use is allowed (however client can refer in the product documentation that product is certified against LIASC certification scheme and can list number of certificate in the documentation)	No certification logo use is allowed (however client can refer in the product documentation that product is certified against IECEE CB certification scheme and can list number of certificate in the documentation)

(*) Note: There is not a due date of IECEE CB certificate. However, in case of constructional change of the product, or if obsolete safety standard is listed on certificate, it may lose its relevance.

(2*) Note: There may be some additional requirements for acceptance of IECEE CB certificate by IECEE member country. National requirements apply. Also some countries (e.g. USA, Mexico, etc.), however they are members, may not accept IECEE CB certificate (as they accept different standards as IEC, /EN, e.g. UL safety standards). National differences evaluation and acceptance of IECEE CB certificate should be discussed with Certification body.