



OPERATIONAL DOCUMENT

ECS 028

**Recognition of components
within the ECS**

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Recognition of components within the ECS

Foreword

This operational document contains definitions and basic principles for acceptance of components within the ECS Schemes (ENEC, CCA, CCA-EMC). The intended implementation of this document is to provide recommendations for the Certification Bodies (CBs) participating in the Schemes and to be accepted by the CBs in that sense. Any differences between the operational document and corresponding requirements of the CB shall be clearly identified and published.

1. Scope

This document describes component related situations and decisions in the process of issuing and accepting Test Reports and Certificates for end products.

2. Definitions

2.1 Component

For the purpose of this document a component has been defined as follows:

Component – safety relevant part or subassembly intended to be installed into an end product in a factory by the end product manufacturer. Some examples are: switches for end products, capacitors, filters, fuse holders, build-in power supply, internal CD Rom or hard drive, and similar.

2.2 Harmonised standard

For the purpose of this document a harmonised standard has been defined as follows:

Harmonised standard - means a European Standard (EN) or Harmonisation Document (HD) that is nationally recognised. If there are national or regional differences they have to be published and to be made readily available.

Guidelines for components acceptance are given in Annex 1.

3. Potential situations for component requirements

The following cases can be identified:

- There is an existing harmonised standard for the component;
- There is no harmonised standard, but there is an IEC or a national/regional standard for the component;
- The end product standard contains component requirements;

- There are no component requirements existing.

3.1 Existing harmonised standard for the component

CB issuing the licence for the end-product shall verify that the component complies with the requirements of the harmonised standard for the component:

- CB issuing the licence for the end-product shall accept components already certified by another ECS member as a result of testing to a current harmonised standard. Evidence of component certification must be available.
- Components not already certified shall be subjected to testing by an ECS accepted laboratory according to the requirements of the actual applicable harmonised standard.

When a component is tested according a harmonised standard by a CB TL or SMT/MPL operating under the supervision of a CB TL, the test report shall be accepted by CB TL assessing a luminaire for ENEC Mark or/and ENEC+.

For example, for a luminaire to be ENEC approved it has to comply with EN 60598. Its components must be complying with the respective applicable safety standards only and not necessarily be ENEC certified.

3.2 No existing harmonised standard, but an IEC Publication or a national/regional standard for the component exists

CB issuing the licence for the end product shall satisfy itself of the actual situation e.g. by stating that the component is certified and indicating the relevant standard.

3.3 The end-product standard contains component requirements

The component shall be checked for correct application and use in accordance with its specified ratings. It shall be subjected to the applicable tests of the end product standard, as part of the end product, under the conditions occurring in the end product. The applicable tests shall be reported in the Test Report.

3.4 No component requirements existing

The component shall be subjected to the applicable tests of the end product standard, as part of the end product under the conditions occurring in the end product. The applicable tests shall be reported in the Test Report.

4. Surveillance - General Principles

4.1 Surveillance of components

Surveillance of components shall be carried out according to PDs CIG 021 to 024.

4.1.1 Component already certified

CB issuing the licence for the end product shall accept components already certified by another ECS member as a result of testing to a current harmonised standard and which assures the minimum agreed level of surveillance.

4.1.2 Component not certified or certification does not include the minimum agreed level of surveillance

CB issuing the licence for the end product shall ensure the minimum agreed level of surveillance also for the component.

NOTE

Surveillance of the component may form part of the yearly factory inspection of the end product.

4.2 Information in the Test Report of the end product

The list of safety relevant components shall be attached to the Test Report of the appliance including all data of the components (manufacturer, type designation, technical data, test specifications / standards, existing certifications).

	Guidelines for Component Acceptance Situation for Component Conformity Evidence	Verdict
1	All components do have an ENEC mark	acceptable
2	One component has the private certification mark granted by an ENEC CB and no further tests done	acceptable
3	One component has the private certification mark granted by an ENEC CB and is tested with the product (the ENEC TL has the component standard in its ENEC scope)	acceptable
4	One component has the private certification mark granted by an ENEC CB and is tested with the product (the ENEC TL does not have the component standard in its ENEC scope)	acceptable
5	One component has no mark and no further tests done	not acceptable
6	One component has no mark and is tested with the product (the ENEC TL has the component standard in its ENEC scope)	acceptable
7	One component has no mark and is tested with the product (the ENEC TL does not have the component standard in its ENEC scope)	not acceptable