

COLLECTION OF CTL DECISIONS

Decision Sheet

Standard(s): IEC 60950, 3 rd Ed (1999) IEC 60950-1, 1 st Ed. (2001)	Sub clause(s): 1.5.1	DSH - 558 Page 1 (3)
Subject: Identification of Critical Components – Minimum description criteria for disk drives	Key words: Components	Decision confirmed by CTL at its 42 nd meeting 2005 in Cancun
<p>Question: Within an IECEE CB Report for an end product that contains a component disk drive(s) (e.g., CD-ROM, CD-RW, DVD, Hard, Floppy, Tape), if the disk drive(s) has its own certification to IEC 60950 (-1), is it acceptable to identify such a critical component by technical data, standard, and mark(s) of conformity, as in the example below, without specifying manufacturer's name and type number for each component?</p> <p>Decision: For component disk drives covered by a CB Test Report and Certificate, there are two options for component descriptions, depending on the type of disk drive:</p> <ol style="list-style-type: none"> 1. Non-laser based drives – The parts list should state "Mfr: Company A or equivalent," and "Model: Model B or equivalent," so there is traceability for the construction of the sample tested. The description should also include the technical data (input voltage rating, load current rating, flammability rating of the bezel), standard, and mark of certifying body/organization. 2. Laser based drive - The parts list should state: "Mfr: Company A or equivalent", and "Model: Model B or equivalent," so that there is traceability (to IEC60950-1 and applicable laser requirement(s)) for the construction of the sample tested. The description should also include technical data (input voltage rating, load current rating, flammability rating of the bezel, and, when applicable, laser classification), and standard, and indicate that the component is covered by a CB Test Report and Certificate. <p style="margin-top: 20px;">Object/part No. Manufacturer/ trademark Type/model Technical data Standard Mark(s) of conformity¹⁾</p> <p style="margin-top: 10px;">Tape Drive (Mfr. Name) or equivalent (Type No.)</p>		

or equivalent
5 Vdc, 1.2 A
12Vdc, 0.5A
Bezel min. 2.5 mm thick, rated min.V-1.
IEC/EN/60950
CSA/UL60950

-mark of certifying body

Hard Drive

(Mfr. Name) or equivalent
(Type No.) or equivalent
5 Vdc, 1.0 A
12 Vdc, 0.4A
No bezel provided.

IEC/EN/60950
CSA/UL60950

-mark of certifying body

CD-ROM

(Mfr. Name) or equivalent
(Type No.) or equivalent
5/12 Vdc, 1.0/0.3A
Bezel rated V -1.
Class 1 laser product.
IEC/EN/60950
CSA/UL60950
IEC/EN 60825-1
21 CFR 1040

-IECEE CB Scheme Certificate and Test Report.

DVD Drive

(Mfr. Name)
or equivalent
(Type No.) or equivalent
5 Vdc, 1.0 A
12Vdc, 0.4A;
Class 1M laser product.
Bezel min. 2.5 mm thick, rated min.V-1.
IEC/EN/60950
CSA/UL60950
IEC/EN 60825-1
21 CFR 1040

-IECEE CB Scheme Certificate and Test Report.

For a rare case when a device is used in an application where the standard requires a more complex set of requirements to be applied, or the evaluation is part of the end product evaluation, the manufacturer's name and type number, in addition to the technical information, shall be described/controlled for each component.

Explanatory Notes: Component Disk Drives (e.g., CD-ROM, CD-RW, DVD, Hard, Floppy, Tape) are common critical components in ITE. Although they are allowed to be investigated as part of the end product, almost all of these devices already have been investigated to IEC 60950 (-1).

Within ITE, Industry practice is to substitute one drive for another drive based on desired function of the end product. Generally, this is an acceptable practice because ITE products are tested with maximum load configurations. Therefore, substitution of one device with another device can be accomplished without retesting the end product with each component drive.

Regarding drives with lasers (e.g., DVD), although some regions have Group and National differences declared for lasers (e.g., U.S. CFR 1040), the description of the standard(s) covered by the CB Test Report and Certificate will ensure the devices demonstrate compliance with the applicable Group and/or National Difference laser requirements.

It should also be considered that some national certification marks (e.g. GS approval) may require their own minimum requirements be detailed in the list of critical components (for GS: Constructional Data Form). In the case of GS certification the applicant will be asked to provide additional information to that given within the CB test report (means again manufacturer, type designation, ratings, marks of conformity). This will be decided by the accepting NCB.