



IECEE OPERATIONAL DOCUMENT

**IEC System of Conformity Assessment Schemes for Electrotechnical Equipment
and Components (IECEE System)**

Committee of Testing Laboratories (CTL)

CTL Decision Sheet (DSH)





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Bottom openings of particular fire enclosure design

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INTERNATIONAL
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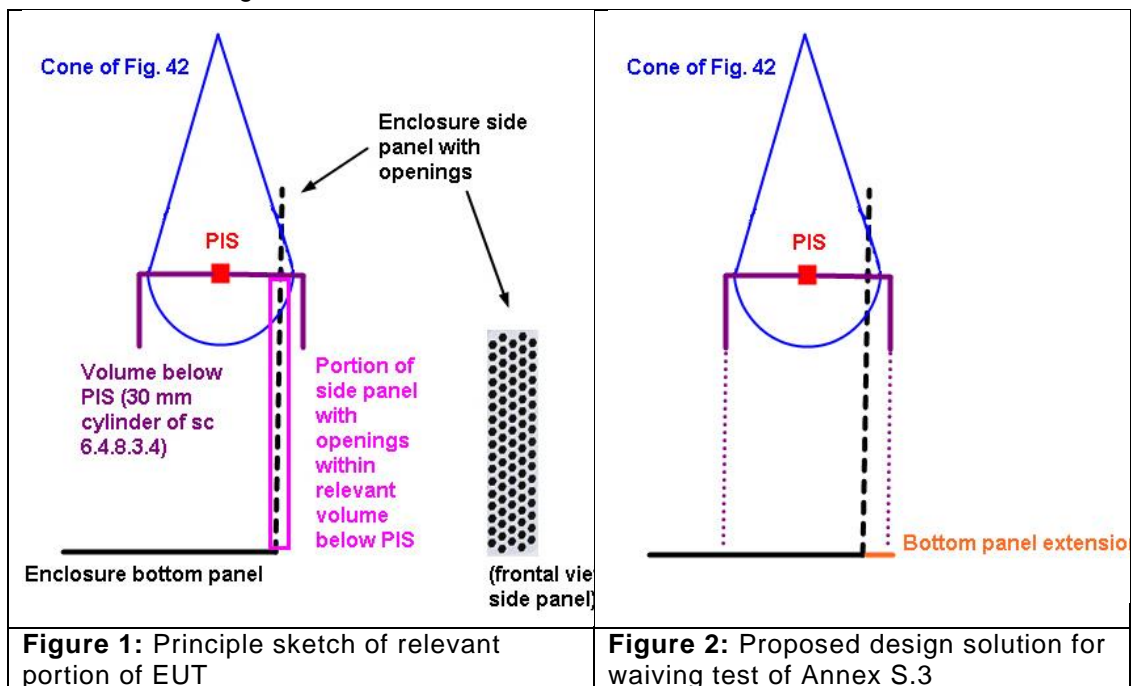
CTL DECISION SHEET (DSH)

Standard(s) (incl. year)	Subclause(s)	Tracking No.	Year
IEC 62368-1:2014	6.4.8.3.4	DSH 2053	2016
Category			
OFF / TRON			
Subject	Keywords	Developed by	Approved at
Waiving of tests for bottom openings of particular fire enclosure design	Fire enclosure design, bottom opening requirements	ETF 2	2017 CTL Plenary Meeting

Question

Is it acceptable to waive the test of Annex S.3 and disregard opening dimension/design requirements of sub clause 6.4.8.3.4 if the bottom panel of the fire enclosure is extended such that the 30 mm cylinder extending below the PIS is not projecting beyond this bottom panel extension?

For more details see figures



Decision

The proposed design solution of Fig. 2 (bottom panel extension) is not accepted for waiving the test described in Annex S.3.

Either have the openings to be subjected to the test of Annex S.3, or comply with exemptions (design requirements) as outlined in sub clause 6.4.8.3.4.

TC 108 meeting 2016 in Frankfurt - discussed and accepted.

Explanatory notes

An electronic product (such as a Personal Computer) contains a PIS. Within the volume outlined in Figure 42 of IEC 62368-1:2014 is located part of a side panel which contains openings.

The proposed design solution of Fig. 2 (bottom panel extension) will not prevent combustible material external to the equipment to enter the cylinder volume below the PIS projecting through openings of the side panel. Flammable drips from burning thermoplastic could still ignite combustible material that got too close to the discussed side panel openings, e.g. due to negligent setting up of the equipment or accidental entering the relevant restricted volume.

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