

CTL (PROVISIONAL) DECISION SHEET

Standards- IEC 60065 ed 7:2001	Subclause(s): 12.1.2	No. PDSH-765	Year 2010
Category: TRON		Developed by: ETF 2	
Subject: Vibration Test	Key words: Vibration Test	To be approved at the 2011 CTL Plenary Meeting	

Question:

Clause 12.1.2 states “TRANSPORTABLE APPARATUS intended to be used for audio amplification of musical instruments, PORTABLE APPARATUS and apparatus having a metal enclosure, are subjected to a vibration endurance conditioning by sweeping, as specified in IEC 60068-2-6.”

To what kind of equipment is clause 12.1.2 applicable?

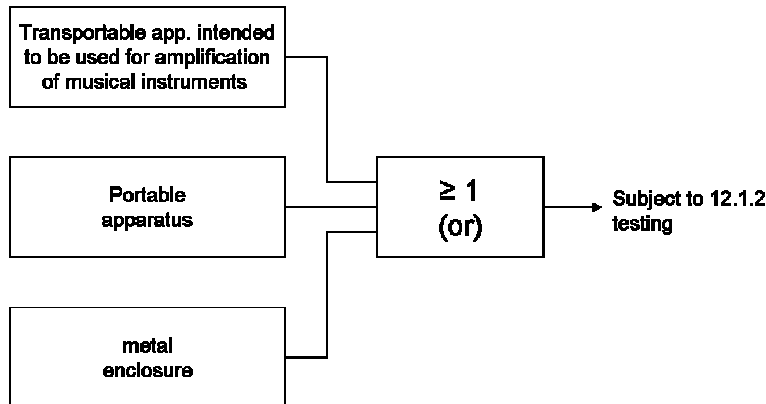
- a) Is it applicable to equipment with metal enclosure, even if it is not portable or transportable such as a Class I or Class II satellite receiver with metal enclosure?
- b) What about “TRANSPORTABLE APPARATUS” intended to be used for audio amplification of musical instruments with a plastic enclosure?
- c) What about “PORTABLE APPARATUS” with a plastic enclosure?
- d) What about rack mounted audio equipment with a metal enclosure for ELA equipment?

Decision:

The answer to all the above questions is “YES.” The test has to be conducted in every case.

Explanatory Notes:

Interpretation



Here is an excerpt from the Minutes of the TC92/WG1 meeting held in Wellington, 21 - 25 February 2000 on the same issue.

Clause 12.1.2; 1st Paragraph - A vibration test is to be conducted on ALL equipment with a metal enclosure, without exception.

This brings up the following questions.

- 1) Are metal enclosed, permanently connected apparatus, subject to this test? YES
- 2) Are heavy (>100kg) apparatus subject to this test? YES
- 3) If only the back cover is metal, is the apparatus subjected to this test? NO
- 4) Is an apparatus with only a “small” metal access panel on the exterior of a polymeric enclosure subject to this test? NO
- 5) If the outer enclosure is not relied upon for accessibility, such as a jukebox, and the inner metal enclosure is relied upon for the prevention of shock hazard, is the apparatus subjected to this test? YES