

COLLECTION OF CTL DECISIONS

Decision Sheet

Standard(s): IEC 60950-1:2001, 1st ed.	Sub clause(s): 4.3.13.5	DSH – 557 page 1 (1)
Subject: Products employing plug-in laser transceivers	Key words: Plug-in, lasers, transceivers, communications. Not applicable for basic consumer ITE as specified in the Explanatory Notes	Decision confirmed by CTL at its 42nd meeting 2005 in Cancun
<p>Question:</p> <p>For equipment intended for use with field installable, plug-in laser device modules (LDMs) not provided with the equipment, how should the laser safety aspects of the equipment be addressed in an IECEE CB Test Report?</p> <p>Decision :</p> <p>The equipment shall be investigated to IEC 60950-1 and IEC 60825-1 and –2 with representative LDMs during the Type Test investigation. The LDMs shall be described in the List of Critical Components, but may or may not be shipped with the equipment from the original equipment manufacturer.</p> <p>The CB Test Report for the equipment shall state the following in the General Product Information:</p> <ul style="list-style-type: none"> a) This end product is for use with field installable LDMs not provided with the product when shipped from the original equipment manufacturer. This end product was evaluated with representative LDMs during the Type Test investigation. b) The end product with LDMs installed is required to comply with IEC 60950-1 and IEC 60825-1 and –2, including any declared national differences. c) The decision on certification of the end product without the LDMs rests with the recognizing NCB. <p>Explanatory Notes:</p> <p>Modern communication equipment often use plug-in laser transceivers (LDM) that are field installed because the LDMs used for a particular installation must be matched to the specific needs of the installation. The decision on what LDMs to use is made by the installer. For example, equipment may use one of a multiple of different LDMs depending on path length of the laser communication signal. This equipment is not basic consumer ITE. This equipment is installed and maintained by qualified staff from the end user communications company or subcontractor of the end user organization. The end product user and/or installer are solely responsible for ensuring that the correct devices are utilized in the equipment and the equipment with LDMs installed complies with applicable laser safety requirements.</p>		