

**COLLECTION OF CTL DECISIONS**  
**PROVISIONAL DECISION SHEET**

<b>Standard:</b> IEC 60950, 3 <sup>rd</sup> ed.	<b>Sub clause:</b>	<b>Sheet No.</b> P-DSH-446
<b>Subject:</b> Protection of users	<b>Key words:</b> Antenna, voltage surge test	<b>Provisional Decision assigned to ETF2 Question 32</b>
<b>Question:</b>  For protection of users and service persons from transients and voltage surges, what are the appropriate requirements between the following points for ITE connected to an external antenna:  (a) antenna connection and Primary circuits? (b) antenna connection and SELV circuits when the antenna cabling is coax? (c) Antenna connection and SELV circuits when the antenna cabling is unshielded twisted pair (UTP)?  See attached diagram.  <b>Decision:</b>  Since Clause 7 is in IEC 60950-1, but is not in IEC 60950 3 <sup>rd</sup> Ed, the requirements cannot be used for the 3 <sup>rd</sup> edition.  This decision applies to IEC 60950-1 3 <sup>rd</sup> edition.  In the case of IEC 60950 3 <sup>rd</sup> edition sub clause 10.1 of IEC 60065 6 <sup>th</sup> edition is to be applied, by referring to IEC Guide 112 2 <sup>nd</sup> edition "Guide on the safety of multimedia equipment".  Although, the test of 10.1 to IEC 60065 requires test between the terminal for the connection to antenna and Mains supply Terminals, and not between the terminal for the connection to antenna and SELV.  <b>Explanatory notes:</b>  For the same question related to IEC 60950-1 1 <sup>st</sup> Edition reference to the relevant decision sheet for that standard is made. Based on the answers received on the enquiry and a discussion with the chairman of IEC TC108, the decision for IEC 60950-1 1 <sup>st</sup> edition has to be different		

