

## CTL DECISION SHEET

<b>Standard:</b> IEC 61558-1/1997 A1/1998 IEC 60529/1989 A1/1999	<b>Sub clause:</b> 17.1.1C 13.4	<b>Sheet N°:</b> 592/06  <b>Page:</b> 1(1)
<b>Subject:</b> Dust test for IP 5X and 6X as described in the transformer standard	<b>Key words:</b> - Transformers - Dust test - IEC 60529	<b>Meeting:</b> Decision confirmed at CTL 42 <sup>nd</sup> meeting
<p><b>Question:</b> In the horizontal safety function standard for degree of protection provided by enclosures (IP code), IEC 60529, a description of the dust is given in subclause 13.4. However, in the transformer standard the description of the dust diverges a bit as the following wording is added: “and shall have a range of particle size down to and including 1 µm with at least 50% by weight less than 5 µm”. This more precise description implies that dust in the dust chamber must be changed when a transformer is tested, this without any technical reasons. For the future, can we use the dust specified in IEC 60529 also for transformers?</p> <p><b>Decision:</b> The horizontal safety function standard IEC 60529 shall be followed, i.e. the dust specified in subclause 13.4 can be used.</p> <p><b>Explanatory notes:</b> --</p>		