

**COLLECTION OF THE CTL DECISIONS  
DECISION SHEET**

<b>Standard(s)- (year and edition):</b> IEC 61010-1:2002 Ed.2	<b>Sub clause(s):</b> 6.7.2	<b>Sheet n°: 536</b>
<b>Subject:</b> CAT III for mains circuits	<b>Key words:</b> Mains, CAT III	Decision taken at the 40 <sup>th</sup> meeting 2003
<p><b>Question:</b></p> <p>Measuring equipment (not kWh-meter) that is permanently installed in the service equipment has a power supply unit which is connected close to the incoming service and the kWh-meter. The device sends information to the electrical company, utilizing the mains service and connected close to it. This is to my knowledge a CAT III area.</p> <p>Since CAT III has been withdrawn for mains circuits (6.7.2), the requirement for a 300 V mains would be 3 mm air / 3-6 mm creepage / 2 224 Vrms Test voltage on the supply side, according to table 4 and 9.</p> <p><b>Decision:</b></p> <p>In this case you can apply CAT III for measuring circuits.</p> <p><b>Explanatory notes:</b></p> <p>This issue has been acknowledged by TC66 and corrected in future standard publications.</p>		