

## DECISION SHEET

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| <b>Standard(s)- (year and edition):</b><br>IEC 60601-1:1988 Ed.2<br>Am1+Am2 | <b>Sub clause(s):</b><br>52.5.9               | <b>Sheet n°:</b><br><b>DSH-403</b>                                 |
| <b>Subject:</b><br>Capacitors   | <b>Key words:</b><br>Capacitors, supply mains | <b>Confirmed by CTL at its 39<sup>th</sup> meeting, in Cologne</b> |

**Question:**

The Rationale to 57.7 is in contradiction with the requirement in 52.5.9. For instance, any capacitor connected on the SUPPLY MAINS side of mains fuses would, in the case of short-circuit fault, imply that the safety depends on safety devices external to the equipment in which the capacitor is mounted.

What shall be required of components connected on the SUPPLY MAINS side of any mains fuse or OVER-CURRENT RELEASE? For instance, shall capacitors complying with IEC Publication 60384-14 be accepted?

**Decision:**

For these components, compliance with a relevant IEC standard should be sought. If no suitable standard exists, examination of characteristics, evidence of reliability should be researched as clause 3.4 suggests (equivalent degree of safety).

**Explanatory notes:**

Amendment 2 answers the capacitor problem, however it does not deal with other components e.g. discharge resistors.