

## CTL PROVISIONAL DECISION SHEET

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| <b>Standard(s):</b><br><b>IEC 60745-1:2006</b>  | <b>Sub-clause(s):</b><br><b>21.19</b>  | <b>No.</b><br><br><b>PDSH</b><br><b>754</b>                | <b>Year</b><br><br><b>2009</b> |
| <b>Category: TOOL</b>   |  | <b>Developed by: ETF 1</b>                                 |                                |
| <b>Subject:</b><br><b>Screws, Creepage distance and clearance</b>   | <b>Key words:</b><br><b>- Screws</b><br><b>- force</b><br><b>- Creepage distance and clearance</b> | <b>To be approved at the year 2010 CTL Plenary Meeting</b> |                                |
| <p><b>Question:</b></p> <p>1)</p> <p style="padding-left: 40px;">“Tools shall be so designed that the protection against electric shock is not affected when screws intended for replacement from the outside during routine servicing are replaced by screws having a greater length.”</p> <p>What screw should be used? Only the screws from equipment under test or any other possible screw?</p> <p>2)</p> <p style="padding-left: 40px;">“Compliance is checked by inserting longer screws, without appreciable force, after which creepage distances and clearances between live parts and accessible metal parts shall not have been reduced below the values specified in 28.1”</p> <p>What force is to be applied?</p> <p><b>Decision:</b></p> <p>1)</p> <p>The screw originally used on the equipment <u>and</u> any other longer screw that can be found on the equipment is to be used.</p> <p>2)</p> <p>The force values in Table 9 shall be applied.</p> <p><b>Explanatory Notes:</b></p> <p>There is a proposal to clarify these requirements in the next edition of the standard.</p> |  |  |                                |