

## OSM/IN DECISION

<b>Standard:</b> EN 61643-11:2002 +A11:2007	<b>Sub clause:</b> 7.5 a) 7.5.4 a)	<b>Sheet N°:</b> OSM/IN 212
<b>Subject:</b> Measured limiting voltage	<b>Key words:</b> <ul style="list-style-type: none"> <li>- Measured limiting voltage</li> <li>- Protection level</li> <li>- Energised testing</li> </ul>	<b>Meeting N°:</b> 18  <b>Item:</b> 4.1.1
<p><b>Question:</b> Testing of one port SPDs according to test class III (Type 3): Shall the test to measure the limiting voltage with the combination wave be performed with the SPD being energised at <math>U_c</math> or without energisation?</p> <p><b>Decision:</b> The test shall be performed with the SPD being energised at <math>U_c</math>.</p> <p><b>Explanatory notes:</b> Clause 7.5 a) of the standard requires: All one-port SPDs shall be tested unenergized. ...</p> <p>Clause 7.5.4 of the standard requires: a) The combination wave will be applied to an energized SPD, with the mains voltage at <math>U_c</math>.</p> <p>As testing energised may give higher measurement results, the test should be performed energised.</p>		