

PROPOSAL FOR A DRAFT AMENDMENT TO REGULATION NO. 16

Transmitted by the expert from Germany

A. Proposal:

The following wording shall be added in Annex 7 (Description of manikin) at the end of the text below figure 6:

The displacement measurement at point P shall not contain rotational components around the hip axis and around a vertical axis.

B. Justification:

The location of the pelvis reference point P is prescribed to be on the centre line of the manikin (without tolerance) which could mean to be on the torso part of the manikin (linear movement and rotating around the hip axis and around a vertical axis).

A clarification of the displacement measurement procedure at point P seems to be necessary to exclude not intended rotational displacement components and to achieve comparability between video evaluation of the hip movement and displacement measurement following point P. At lap belt tests for example the rotational component around the hip axis in driving direction amounts to about 90 mm which is decisive for pass or fail.