
Proposal for amendments to GRSP-54-04

(Proposal for Supplement 3 to the 08 series of amendments to Regulation No. 17) (Strength of seat)

Note: The text reproduced below was prepared by the expert from Japan. The modifications to GRSP-54-04 (CLEPA) are marked in bold or strikethrough characters.

I. Proposal

Annex 9, paragraph 1., amend to read:

"1. Test blocks

Rigid blocks, with the centre of inertia in the geometric centre.

Type 1

Dimensions: 300 mm x 300 mm x 300 mm
all edges and corners rounded to 20 mm

Mass: 18 kg

Moment of inertia: **not less than 0.267** ~~up to 0.35~~ kgm² (around vehicle y-axis)

Type 2

...."

II. Justification

CLEPA's justification is the following.

The problem is particular present for the lower luggage cubes because they are placed at a distance of 200mm from the seat back and have therefore enough freedom to adopt a trajectory in relation with their moment of inertia.

However, Japan justification is the following.

Theoretically, the lower the moment of inertia of the rigid block is, the easier the trajectory occurs. Therefore, it should be good enough to regulate only the lower limit of the moment of inertia to solve the CLEPA's concern.

