



Informal document N° 18
(29th GRSP, 7-11 May 2001
agenda item 2.5)

PROPOSAL FOR DRAFT AMENDMENTS TO ECE R21

Document TRANS/WP29/GRSP/2001/11

Paragraph 5.1.6, amend to read:

"... or it can be demonstrated by sufficient tests according to the procedure described in Annex 4 that the soft material of less than 50 Shore A hardness will not be cut so as to contact the support during the specified impact test. In that case, the required radius shall not apply (see annex 10, explanatory notes, paragraph 5.1.6)."

Justification: see annex.

Paragraph 5.1.7.1, amend to read:

"... Parts in other areas of the dashboard above the level of the instrument panel, if contactable by a 165 mm diameter sphere, shall be at least blunted."

Justification: editorial correction.

Paragraph 5.1.7.2, amend to read:

".. Parts of the dashboard above the level of the instrument panel, if contactable by a 165 mm diameter sphere, shall be at least blunted."

Justification: editorial correction.

Paragraph 5.2.4, amend to read:

"... or it can be demonstrated by sufficient tests according to the procedure described in annex 4 that the soft material of less than 50 Shore A hardness will not be cut so as to contact the support during the specified impact test. In that case, the required radius shall not apply ~~to the soft surface only~~."

Justification: see annex.

Paragraph 5.3.5, amend to read:

"... to the rigid support or it can be demonstrated by sufficient tests according to the procedure described in annex 4 that the soft material of less than 50 Shore A hardness will not be cut so as to contact the support during the specified impact test. In that case the required radius shall not apply ~~to the soft surface only.~~"

Justification: see annex.

Paragraph 5.9.1, amend to read:

"... or it can be demonstrated by sufficient tests according to the procedure described in annex 4 that the soft material of less than 50 Shore A hardness will not be cut so as to contact the support during the specified impact test. In that case the required radius shall not apply ~~to the soft surface only.~~"

Justification: see annex.

ANNEX 3

Delete the reference to annex 10 after the title of annex 3.

Justification: No reference to annex 3 in the explanatory notes.

ANNEX 8 (the new annex 8 should be totally in bold characters)

Paragraph 3, amend to read:

"... If the manufacturer provides for permanent deactivation of a part of the protective system, ~~then~~ then this part has to be set to the deactivated configuration."

Justification: editorial correction.

ANNEX 10, amend to read:

"2.4 ... of the instrument panel when the line is moved across the width of the vehicle, Where two or more points ..."

"5.1.4 ... would be determined using the headform measuring apparatus ~~with~~ of annex 6, paragraph 2. The maximum projection ..."

Justification: editorial correction.

ANNEX

Justifications to the amendments to paragraphs

5.1.6, 5.2.4, 5.3.5 and 5.9.1

During the ad hoc GRSP on 13 and 14 September 2000 in Madrid there was some discussions on how to judge a small cut in the soft material. Following reasoning was made:

- if during an impact test there is a very small cut in the soft material, this would be a failure;
- however it is not an unsafe situation as long as the rigid support is not exposed.

This was accepted and the wording was amended as proposed. It was suggested that the test could be done by applying paint on the impactor and after the test, by removing the soft material; a check could then be done on whether there is paint on the rigid support.

The current requirement is as in figure 1. However the proposal of document GRSP/2001/11 says if a projection withstands the impact test then figure 2 is the requirement (soft material should be rounded and not the rigid support). It was questioned during the ad hoc meeting of 13 and 14/9/2000 what is the justification for having rounded soft material (today the soft material should not be rounded). Some delegates did not see the need and said figure 3 should be allowed too.

