

Proposal to develop amendments to global technical regulation No. 9
(Pedestrian Safety)

Submitted by the representative of Germany

The text reproduced below has been submitted by the representative of Germany and contains a draft proposal **to amend document ECE/TRANS/WP.29/GRSP/2009/21** submitted and proposed by Japan to develop amendments to global technical regulation No. 9.

The modifications to the current text of document ECE/TRANS/WP.29/GRSP/2009/21 are marked in **bold** characters or marked as strikethrough.

A. PROPOSAL

STATEMENT OF TECHNICAL RATIONALE AND JUSTIFICATION

Section 7. (b) (ii)

Paragraph 113., amend to read:

“113.at the following limits:

For EEVC WG 17

For FlexPLI

....
Maximum ACL and PCL elongation \leq [13] mm ~~only for monitoring purposes or nothing or mandatory~~.”

B. JUSTIFICATION

The draft amendment in this document to amend the Japanese proposal to develop amendments to gtr No. 9 proposes to make the injury criteria for ACL/PCL mandatory to have the same level of protection included in the amended gtr No. 9 as the current version of the gtr provides for the this body section.

By incorporating the FlexPLI in the gtr the “knee shearing displacement” is no longer applicable as an injury criteria. According to in-depth accident data in Germany the relevance of ACL/PCL injuries is not lower but at least as high as of MCL injuries in lateral car-to-pedestrian impacts. Accidents show that injuries of ACL occur although MCL is not fractured. This means that ACL is not sufficiently protected by just meeting MCL requirements.

Therefore the proposal is to make the injury criteria for ACL/PCL mandatory with the incorporation of the FlexPLI in gtr No. 9.
