Proposal for amendments to ECE/TRANS/WP.29/GRPE/2017/7

The text reproduced below was prepared by the IWG on Worldwide harmonized Light vehicles Test Procedure (WLTP). The modifications to the current text of ECE/TRANS/WP.29/GRPE/2017/7 are marked in bold for new or struck through for deletion.

Proposal

Part II, Text of the global technical regulation

Paragraph 3.4.1., amend to read:

"Powertrain" means the total combination in a vehicle, of propulsion energy storage system(s), propulsion energy converter(s) and the drivetrain(s) providing the mechanical energy at the wheels for the purpose of vehicle propulsion, plus peripheral devices."

Correction/justification: Editorial change to remove an unnecessary comma after the word "vehicle".

Proposal

Annex 2, paragraph 3.4., amend to read:

"ASM is an additional exponential power safety margin which may be applied at the request of the manufacturer."

Correction/justification: Agreement reached by experts in IWG #16 to remove the term "exponential".

Proposal

Annex 3, table A3/10, amend to read:

"Inert gas (CO₂, N₂, etc.)"

Correction/justification: Editorial change to add a space before "etc".

Proposal

Annex 4, paragraph 2.4., amend to read:

"f₀, f₁, f₂ are the road load coefficients of the road load equation \( F = f₀ + f₁ \times v + f₂ \times v² \) determined according to this annex."

Correction/justification: Editorial change to remove an unnecessary comma after \( v² \).
Proposal

Annex 4, paragraph 3.2.9., amend to read:

"δ_{99} is the distance perpendicular to the road, where 99 per cent of free stream velocity is reached (boundary layer thickness)."

Correction/justification: Editorial change to remove an unnecessary comma after the word "road".

Proposal

Annex 4, paragraph 4.1.1.1.1., amend to read:

"Stationary anemometry shall be used only when wind speeds over a period of 5 seconds averages less than 5 m/s and peak wind speeds are less than 8 m/s for less than 2 seconds. In addition, the vector component of the wind speed across the test road shall be less than 2 m/s. Any wind correction shall be calculated as given in paragraph 4.5.3. of this annex. Wind correction may be waived when the lowest arithmetic average wind speed is 2 m/s or less."

Correction/justification: Editorial change to replace "...5 seconds averages..." by "...5 seconds average...".

Proposal

Annex 4, paragraph 8.1.3.1. amend to read:

"A_n, B_i, and C_t are the target road load parameters; f_0, f_1, and f_2 respectively."

Proposal

Annex 4, paragraph 8.1.3.4.1.2. amend to read:

"A_n, B_i, and C_t are the target road load parameters; f_0, f_1, and f_2 respectively."

Proposal

Annex 4, insert new paragraph 8.1.5., to read:

"A_n, B_i, and C_t shall be used as the final values of f_0, f_1 and f_2, and shall be used for the following purposes:

(a) Determination of downscaling, paragraph 8. of Annex 1;
(b) Determination of gearshift points, Annex 2;
(c) Interpolation of CO_2 and fuel consumption, paragraph 3.2.3. of Annex 7;
(d) Calculation of results of electrified vehicles, paragraph 4. of Annex 8."

Correction/justification: Corrects the wrong reference to uncorrected f_0, f_1 and f_2 values.
Proposal

Annex 7, paragraph 8., amend to read:

\[ U_{\text{dyn}} = 3.05 \times \left( 2 \left( \frac{H/W}{W \times 100} \right) \times W + (R \times 25.4) \right) \]

Correction/justification: Mathematical/technical clarity.

Proposal

Annex 8, table A8/5, first row, third column, amend to read:

"Annex 7, paragraphs 3. to 3.2.2. inclusive Paragraphs 3. to 3.2.2. inclusive of Annex 7."

Annex 8, table A8/5, third row, third column, amend to read:

"Annex 8, paragraph 4.1.2.2. to 4.1.2.5. inclusive Paragraphs 4.1.2.2. to 4.1.2.5. inclusive of Annex 8."

Annex 8, table A8/5, eighth row, third column, amend to read:

"Annex 6, paragraph 1.2.4. Paragraph 1.2.4. of Annex 6,"

Annex 8, table A8/7, second row, third column, amend to read:

"Annex 8, paragraphs 4.2.1.2.2. to 4.2.1.2.5. inclusive of this annex."

Annex 8, table A8/7, fifth row, third column, amend to read:

"Annex 8, paragraph 1.2.4. Paragraph 1.2.4. of Annex 6, and:
\[ FC_{CS,c,5} = FC_{CS,c,declared} \]

Annex 8, table A8/8, fourth row, third column, amend to read:

"In the case that the interpolation shall be used, the transition cycle has to shall be determined for vehicle H, L and, if applicable, M.

Check whether the interpolation criterion acc. to paragraph 5.6.2. (d) of this UN GTR is fulfilled or not."

Proposal

Annex 8, Appendix I, figure A8.App1/4., amend to read:

"OVC-HEVs, charge-depleting sustaining Type 1 test with subsequent charge-sustaining depleting Type 1 test"
Correction/justification: Incorrect original title.

**Proposal**

*Annex 8, Appendix 6, figure A8.App6/2, amend to read:*

False location of an arrow in the diagram:

![False diagram](image1)

Correct location of the arrow:

![Correct diagram](image2)