

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:

" f_0, f_1, f_2 are the road load coefficients of the road load equation $F = f_0 + f_1 \times v + f_2 \times v^2$; determined according to this annex."

Correction/justification: Editorial change to remove an unnecessary comma after v^2 .

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_t , B_t 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_t , B_t 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_t , B_t 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 CO₂ 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 4.1.1.2. to 4.1.1.5. inclusive~~ **Paragraphs 4.1.1.2. to 4.1.1.5. 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, p~~**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 6, p~~**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 1, figure A8.App1/4., amend to read:

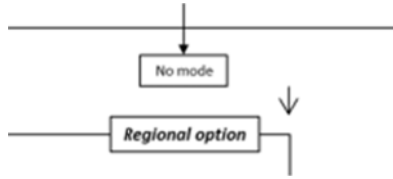
"OVC-HEVs, charge ~~depleting~~**sustaining** Type 1 test with subsequent charge-
~~sustaining~~**depleting** Type 1 test"

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:



Correct location of the arrow:

