

Proposal for additional content in ECE/TRANS/WP.29/GRPE/2022/5

This document proposes to clarify the scope of Regulation 85 concerning electric drive trains

The modifications to the current text of the Regulation are marked in bold for new or strikethrough for deleted characters.

I. Proposal

Paragraph 1.3., amend to read:

"1.3. The electric drive trains are composed of controllers and motors and ~~are~~ **may be** used for propulsion of vehicles as the sole mode of propulsion."

Annex 5, Paragraph 4.7., amend to read:

"4.7. ~~Pressure~~ **Depression** in intake duct (see note 1a to table 1)
± 50 Pa"

Annex 6, Paragraph 1., amend to read:

"1. These requirements apply for measuring the maximum net power and the maximum 30 minutes power of electric drive trains used for propelling pure electric road vehicles **or electric drive trains which may be used as the sole mode of propulsion of hybrid electric vehicles.**"

II. Justification

1. "Alignment" with ISO 1585:2020, i.e. through usage of the word "depression" to clarify that the measurement point is different between naturally aspirated and pressure charged engines.
 2. There has been confusion whether Annex 6 of this Regulation applies only to pure electric vehicles as stated in paragraph 1 of that annex.
 3. There is an interpretation that paragraph 1.3. also applies Annex 6 to the traction electric motors of hybrid electric vehicles providing they are capable of pure electric driving.
 4. A statement of the maximum 30 minutes power of a traction electric motor is required by some regions for certain hybrid electric vehicles.
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