

Proposal for amendments to GRVA/2024/23

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I. Proposal of a supplement to original series of amendments to UN Regulation No. 171

Paragraph 5.5.3.1., amended to read:

5.5.3.1. The system shall be in ‘off’ mode at the initiation of **the powertrain**³ ~~each new engine start (or run cycle, as relevant)~~, regardless of what mode the driver had previously selected.

~~This requirement does not apply when a~~ **A** new engine start (or run cycle, ~~as relevant~~) **which** is performed automatically, e.g., the operation of a stop/start system, **is not considered an initiation of the powertrain.**

New footnote 3, to read:

³ **As defined in Mutual Resolution Mutual Resolution No. 2 (M.R.2) of the 1958 and the 1998 Agreements containing vehicle propulsion system definitions, document ECE/TRANS/WP.29/1121.**

Following footnotes renumbered accordingly.

II. Justification

As specified in GRVA-19-33, the use of engine in such provisions is not technology neutral and could retain a level of ambiguity. Using the definition of ‘powertrain’ from M.R.2 provides a generic term that sufficiently covers the aspect of a vehicle which needs to be referred to when considering the default state of systems following initialisation. Also using the term ‘powertrain’ simplifies the respective provisions. The M.R.2 definition of powertrain is as follows:

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