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**Economic Commission for Europe**

Inland Transport Committee

**World Forum for Harmonization of Vehicle Regulations**

**185th session**

Geneva, 23-25 November 2021

Items 4.17.2. and 16.2. of the provisional agenda

**1958 Agreement:**

**Proposals for amendments to Mutual Resolutions**

**Consideration of amendments to Mutual Resolutions
Nos. 1 (M.R.1) and 2 (M.R.2)**

 Proposal for an amendment to Mutual Resolution No. 2 (M.R.2)

 Submitted by the Working Party on Pollution and Energy[[1]](#footnote-2)\*

The text reproduced below was adopted by the Working Party on Pollution and Energy (GRPE) at its eighty-third session (ECE/TRANS/WP.29/GRPE/83, para. 52). It is based on ECE/TRANS/WP.29/GRPE/2021/19. It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committees (AC.1 and AC.3) for consideration at their November 2021 sessions.

*Section B*

*Paragraph 1.,* amend to read:

"1. "*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."

*Paragraph 1.1.,* amend to read:

"1.1. "*Propulsion energy storage system*" means an energy storage system of the powertrain which is not a peripheral device, whose output energy is used directly or indirectly for the purpose of vehicle propulsion."

*Paragraph 1.2.,* amend to read:

"1.2. "*Propulsion energy converter*" means an energy converter of the powertrain which is not a peripheral device, whose output energy is used directly or indirectly for the purpose of vehicle propulsion."

*Paragraph 1.2.3.,* amend to read:

"1.2.3. "*Fuel cell*" means an energy converter transforming chemical energy (input) into electrical energy (output) or vice versa."

*Add a new paragraph 3.1.,* to read:

"3.1. "*Form of energy*" means (i) electrical energy, or (ii) mechanical energy, or (iii) chemical energy (including fuels)."

*Paragraph 4.,* amend to read:

"4. "*Auxiliary devices*" means energy consuming, converting, storing or supplying non-peripheral devices or systems which are installed in the vehicle for purposes other than the propulsion of the vehicle and are therefore not considered to be part of the powertrain."

*Paragraph 5.1.*, amend to read:

"5.1. "*Pure ICE vehicle*" means a vehicle where all of the propulsion energy converters are internal combustion engines."

*Paragraph 5.1.1.*, amend to read:

"5.1.1. "*Mono-fuel vehicle*" means a vehicle that is designed to run primarily on one type of fuel."

*Paragraph 5.1.2.*, amend to read:

"5.1.2. "*Bi-fuel vehicle*" means a vehicle with two separate fuel storage systems that is designed to run primarily on only one fuel at a time; however, the simultaneous use of both fuels is permitted in limited amount and duration."

*Paragraph 5.1.4.*, amend to read:

"5.1.4. "*Flex-fuel vehicle*" means a vehicle with one fuel storage system that can run on different mixtures of two or more fuels."

*Paragraph 5.3.2.*, amend to read:

"5.3.2. "*Hybrid electric vehicle*" means a hybrid vehicle where one of the propulsion energy converters is an electric machine."

1. \* In accordance with the programme of work of the Inland Transport Committee for 2021 as outlined in proposed programme budget for 2021 (A/75/6 (part V sect. 20) para 20.51), the World Forum will develop, harmonize and update UN Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate. [↑](#footnote-ref-2)