

Draft informal document WP.29-156-YY (transmitted by the chairman of GRPE), agenda item 8.x.

**Draft Terms of Reference for a Task Force Group under GRPE to develop a frame system of terms, definitions and classifications regarding vehicle propulsion systems**

## **1. Background**

Some existing and future (developed) UN Regulations and UN GTRs contains terms, definitions and classifications regarding:

Vehicle propulsion type (e.g. EV, FCV)

Energy converter (e.g. ICE, FC, Electric Motor)

Energy storage system (e.g. fuel tank, battery)

External energy source (fuel, electric energy)

In some cases these classifications and definitions are different in regulations, and the current activities to develop regulations for innovative power trains and alternative fuels may lead to a more inconsistent situation, if no coordination happens. A frame-system of a classification with the main terms and definitions introduced in S.R.1 and R.E.3 would be helpful. It should build a frame that ensures consistency for all definitions used in UN Regulations or UN Global Technical Regulations by providing a general and principle systematic (not too detailed), that enables the addition of future technologies at later stages.

Mainly the following groups are working on related regulations, or using terms and definitions in this field:

GRPE - WLTP - DTP - informal group

GRPE - HDH - informal group

GRPE - GFV - informal group

GRPE - EVE - informal group

WP.29 - EFV - Task Force Group

GRB – QRTV

GRSP – ELSA/RESS

## **2. Terms of reference**

- (a) The Task Force Group on Vehicle Propulsion Systems Definitions (TFG-VPSD) under GRPE will be chaired by Germany, participation is open for everybody.
- (b) The TFG-VPSD will work in close cooperation with WLTP-DTP and the WLTP drafting manager.
- (c) The TFG-VPSD shall:
  1. Review existing UN Regulations and UN GTRs concerning terms, definitions and classifications regarding vehicle propulsion systems.
  2. Review the related definitions in the current draft of the WLTP GTR.
  3. Develop a proposal for a frame system of terms, definitions and classifications regarding vehicle propulsion systems for the introduction into R.E.3 and S.R.1.
  4. Provide status reports to WP.29, AC.3 and the concerned GRs.
  5. Transmit a draft proposal (informal document) to WP.29 and AC.3 for the June 2013 session, aiming on the adoption of the working document at the November 2013 session.