

Informal Group Gaseous Fuelled Vehicles (GFV)
25 February 2015

In Consideration of Vehicle Propulsion System Definitions (VPSD)

The UNECE Working Party of Experts on Pollution and Energy (GRPE) has been working to harmonize Vehicle Propulsion System Definitions (VPSD).

The Informal Group on Gaseous Fuelled Vehicles has reached a consensus on definitions of bi-fuel, dual-fuel and mono fuel vehicles as follows:

BI-FUEL VEHICLE

A 'bi-fuel vehicle' means a vehicle with two separate fuel storage systems and an ICE that operates on one fuel at a time or on both fuels simultaneously in limited amount or duration.

Remark: The definition is generic. The scope of Regulation 83 is limited to bi-fuel vehicles with positive ignition engines, as should future versions of this regulation.

DUAL-FUEL VEHICLE

A 'dual-fuel vehicle' means a vehicle with two separate fuel storage systems and a compression ignition ICE that can operate on both fuels simultaneously when one fuel ignites the other.

Remark: The definition is generic. The definition does not exclude the possibility that the engine also may operate on only one fuel. Currently R49 limits this possibility to certain dual-fuel engine types and diesel fuel.

MONO-FUEL VEHICLE

No generic definition of a mono fuel vehicle is needed.
Only implement a specific definition in UNECE regulations when needed, for example the mono-fuel gas vehicle definition in R.83.