



7 April 2020

Proposal for selection of vehicles for Type 6 testing

Annex 13 WLTP Low Temperature Type 6 test (optional annex)

2.6.2.2. Selection of vehicles for Type 6 testing

2.6.2.2.1. For each combination of fuels (e.g. petrol-LPG, petrol-NG, petrol only) on which some vehicle of the Type 6 family can operate, at least one vehicle that can operate on this combination of fuels shall be selected for Type 6 testing.

2.6.2.2.2. The manufacturer shall specify a value PMR_H (= highest power-to-mass ratio) and a value PMR_L (= lowest power-to-mass ratio) for all vehicle high (V_H) and vehicle low (V_L) of the interpolation families in a type 6 family. Here the ‘power-to-mass-ratio’ corresponds to the ratio of the maximum net power of the internal combustion engine as declared by the manufacturer and of the reference mass, where “reference mass” means the mass of the vehicle in running order plus 25 kg.

Vehicle high (V_H) representative for PMR_H and vehicle low (V_L) representative for PMR_L (if applicable) shall be selected for testing. In case of a single interpolation family, V_H and V_L (if applicable) of this family shall be selected.

2.6.2.2.3. At least one vehicle for each transmission type (e.g. manual, automatic) installed in vehicles of the Type 6 family shall be selected for testing.

2.6.2.2.4. At least one four-wheel drive vehicle (4x4 vehicle) shall be selected for testing if such vehicles are part of the Type 6 family.

2.6.2.2.5. For each internal combustion engine displacement of a vehicle within the Type 6 family at least one representative vehicle shall be tested.

2.6.2.2.6. Notwithstanding the provisions in points 2.6.2.2.1 to 2.6.2.2.5, at least the following number of interpolation families of a given Type 6 family shall be used to select vehicles for testing:

Number of interpolation families in a Type 6 family	Minimum number of interpolation families (N) used to select vehicles for Type 6 testing
1	1
from 2 to 4	2
from 5 to 7	3
from 8 to 10	4
from 11 to 49	$3 + 0.1 \times N^{(1)}$
more than 49	$0.15 \times N^{(1)}$
⁽¹⁾ Rounded to the next higher integer number	