



EUROPEAN  
COMMISSION

Brussels, **XXX**  
COM(2022) 586

ANNEXES 1 to 6

## **ANNEXES**

**to the**

### **Proposal for a Regulation of the European Parliament and the Council**

**on type-approval of motor vehicles and engines and of systems, components and separate technical units intended for such vehicles, with respect to their emissions and battery durability (Euro 7) and repealing Regulations (EC) No 715/2007 and (EC) No 595/2009**

**ANNEX I**

**EURO 7 EMISSION LIMITS**

**Table 1: Euro 7 exhaust emission limits for M<sub>1</sub>, N<sub>1</sub> vehicles with internal combustion engine**

Pollutant emissions	M <sub>1</sub> , N <sub>1</sub> vehicles	Only for N <sub>1</sub> vehicles with power to mass ratio <sup>1</sup> less than 35 kW/t	Emission budget for all trips less than 10 km for M <sub>1</sub> , N <sub>1</sub> vehicles	Emission budget for all trips less than 10 km only for N <sub>1</sub> vehicles with power to mass ratio less than 35 kW/t
	<i>per km</i>	<i>per km</i>	<i>per trip</i>	<i>per trip</i>
<b>NO<sub>x</sub> in mg</b>	60	75	600	750
<b>PM in mg</b>	4.5	4.5	45	45
<b>PN<sub>10</sub> in #</b>	6×10 <sup>11</sup>	6×10 <sup>11</sup>	6×10 <sup>12</sup>	6×10 <sup>12</sup>
<b>CO in mg</b>	500	630	5000	6300
<b>THC in mg</b>	100	130	100	1300
<b>NMHC in mg</b>	68	90	680	900
<b>NH<sub>3</sub> in mg</b>	20	20	200	200

<sup>1</sup> Measured in accordance with paragraph 5.3.2. of UN/ECE Regulation No 85 in the case of ICEVs and PEVs, or, in all other cases, measured in accordance with one of the test procedures laid down in paragraph 6 of UN Global Technical Regulation 21

**Table 2: Euro 7 exhaust emission limits for M<sub>2</sub>, M<sub>3</sub>, N<sub>2</sub> and N<sub>3</sub> vehicles with internal combustion engine and internal combustion engines used in those vehicles**

Pollutant emissions	Cold emissions <sup>2</sup>	Hot emissions <sup>3</sup>	Emission budget for all trips less than 3*WHTC long	Optional idle emission limits <sup>4</sup>
	<i>per kWh</i>	<i>per kWh</i>	<i>per trip</i>	<i>per hour</i>
<b>NO<sub>x</sub> in mg</b>	350	90	150	5000
<b>PM in mg</b>	12	8	10	
<b>PN<sub>10</sub> in #</b>	5x10 <sup>11</sup>	1x10 <sup>11</sup>	2x10 <sup>11</sup>	
<b>CO in mg</b>	3500	200	2700	
<b>NMOG in mg</b>	200	50	75	
<b>NH<sub>3</sub> in mg</b>	65	65	70	
<b>CH<sub>4</sub> in mg</b>	500	350	500	
<b>N<sub>2</sub>O in mg</b>	160	60	140	
<b>HCHO in mg</b>	30	30		

<sup>2</sup> Cold emissions refers to the 100<sup>th</sup> percentile of moving windows (MW) of 1 WHTC for vehicles, or WHTC<sub>cold</sub> for engines

<sup>3</sup> Hot emission refers to the 90<sup>th</sup> percentile of moving windows (MW) of 1 WHTC for vehicles or WHTC<sub>hot</sub> for engines

<sup>4</sup> Applicable only if a system is not present that automatically shuts down the engine after 300 seconds of continuous idling operation (once the vehicle is stopped and brakes applied)



**Table 3: Euro 7 evaporative emission limits for petrol fuelled M<sub>1</sub>, N<sub>1</sub> vehicles**

Pollutant emissions	M <sub>1</sub> , N <sub>1</sub> with maximum mass up to 2650 kg	N <sub>1</sub> with maximum mass equal or more than 2650 kg
Evaporative emissions (in hot soak + 2 day diurnal test)	0.50 g at worst day + hot soak	0.70 g at worst day + hot soak
Refuelling emissions	0.05 g/L of fuel	0.05 g/L of fuel

**Table 4: Euro 7 brake particle emission limits in standard driving cycle applying until 31/12/2034**

Emission limits in mg/km per vehicle	M <sub>1</sub> , N <sub>1</sub> vehicles	M <sub>2</sub> , M <sub>3</sub> vehicles	N <sub>2</sub> , N <sub>3</sub> vehicles
Brake particle emissions (PM <sub>10</sub> )	7		
Brake particle emissions (PN)			

**Table 5: Euro 7 brake particle emission limits in applying from 1/1/2035**

Emission limits in mg/km per vehicle	M <sub>1</sub> , N <sub>1</sub> vehicles	M <sub>2</sub> , M <sub>3</sub> vehicles	N <sub>2</sub> , N <sub>3</sub> vehicles
Brake particle emissions (PM <sub>10</sub> )	3		
Brake particle emissions (PN)			

**Table 6: Euro 7 tyre abrasion rate limits**

Tyre mass lost in g/1000 km	C1 tyres	C2 tyres	C3 tyres
Normal tyres			
Snow tyres			
Special use tyres			

**ANNEX II**

**EURO 7 MINIMUM PERFORMANCE REQUIREMENTS FOR BATTERY DURABILITY**

**Table 1: Euro 7 Minimum performance requirements (MPR) for battery durability for M<sub>1</sub> vehicles**

<b>Battery energy based MPR</b>	Start of life to 5 years or 100 000 km whichever comes first	Vehicles more than 5 years or 100 000 km, and up to whichever comes first of 8 years or 160 000 km	Vehicles up to additional lifetime*
OVC-HEV	80%	70%	
PEV	80%	70%	

<b>Range based MPR</b>	Start of life to 5 years or 100 000 km whichever comes first	Vehicles more than 5 years or 100 000 km, and up to whichever comes first of 8 years or 160 000 km	Vehicles up to additional lifetime*
OVC-HEV			
PEV			

**Table 2: Euro 7 Minimum performance requirements (MPR) for battery durability for N<sub>1</sub> vehicles**

<b>Battery energy based MPR</b>	Start of life to 5 years or 100 000 km whichever comes first	Vehicles more than 5 years or 100 000 km, and up to whichever comes first of 8 years or 160 000 km	Vehicles up to additional lifetime*
OVC-HEV	75%	65%	

PEV	75%	65%	
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<b>Range based MPR</b>	Start of life to 5 years or 100 000 km whichever comes first	Vehicles more than 5 years or 100 000 km, and up to whichever comes first of 8 years or 160 000 km	Vehicles up to additional lifetime*
OVC-HEV			
PEV			



**Table 3: Euro 7 Minimum performance requirements (MPR) for battery durability for M<sub>2</sub>, M<sub>3</sub>, N<sub>2</sub>, N<sub>3</sub> vehicles**

Battery Energy based MPR	Vehicles in main lifetime*	Vehicles in additional lifetime*
OVC-HEV		
PEV		

\*As specified in Annex IV

### ANNEX III

#### TEST CONDITIONS

**Table 1: Conditions for testing compliance of M<sub>1</sub>, N<sub>1</sub> vehicles with exhaust emission limits with any market fuel and lubricant within the specifications issued by the manufacturer of the vehicle**

Parameter	Normal driving conditions	Extended driving conditions*
Extended driving divider	-	1.6 (applies to measured emissions only during the time when one of the conditions set out in this column applies)
Ambient temperature	0°C to 35°C	-10°C to 0°C or 35°C to 45°C
Maximum altitude	700 m	More than 700 m and below 1 800 m
Maximum speed	Up to 145 km/h	Between 145 and 160 km/h
Towing/aerodynamic modifications	Not allowed	Allowed according to manufacturer specifications and up to the regulated speed.
Auxiliaries	Possible as per normal use	-
Maximum average wheel power during first 2 km after cold start	Lower than 20% of maximum wheel power	Higher than 20% of maximum wheel power
Trip composition	Any	-
Minimum mileage	10 000 km	Between 3 000 and 10 000 km

\* The same emission strategy shall be used when a vehicle is run outside those conditions, unless there is a technical reason approved by the type approval authority.

**Table 2: Conditions for testing compliance of M<sub>2</sub>, M<sub>3</sub>, N<sub>2</sub> and N<sub>3</sub> vehicles with exhaust emission limits with any market fuel and lubricant within the specifications issued by the manufacturer of the vehicle**

Parameter	Normal driving conditions	Extended driving conditions*
Extended Driving Divider	-	2 (applies to measured emissions only during the time when one of the conditions set out in this column applies)
Ambient temperature	-7°C to 35°C	-10°C to -7°C or 35°C to 45°C
Maximum altitude	1 600 m	From 1 600 to 1 800 m
Towing/aerodynamic modifications	Not allowed	Allowed according to manufacturer specifications and up to the regulated speed
Vehicle Payload	Higher or equal than 10%	Less than 10%
Auxiliaries	Possible as per normal use	-
Internal Combustion Engine Loading at cold start	Any	-
Trip composition	As per usual use	-
Minimum mileage	5 000 km for <16t TPMLM 10 000 km for > 16t TPMLM	Between 3 000 km and 5 000 km for <16t TPMLM Between 3 000 km and 10 000 km for > 16t TPMLM

\*The same emission strategy shall be used when a vehicle is run outside those conditions, unless there is a technical reason approved by the type approval authority.

**Table 3: Conditions for testing compliance with evaporative emission limits with any market fuel and lubricant within the specifications issued by the manufacturer of the vehicle**

	Testing conditions
Evaporative emission SHED <sup>5</sup> test	<ul style="list-style-type: none"> <li>• Baking of entire vehicle or of individual components (optional)</li> <li>• Vehicle canister preconditioning and fuel refilling and vehicle precondition drive</li> <li>• Drive temperature and hot soak test 25 and 38°C (38 °C for type approval)</li> <li>• 48-h diurnal test</li> </ul>
Refuelling emission test	<p><b>Vehicle preconditioning</b></p> <ul style="list-style-type: none"> <li>• Fuel drain and fill to 40%</li> <li>• 6 h min soak at 20-30°C</li> <li>• preconditioning drive</li> </ul> <p><b>Canister preconditioning</b></p> <ul style="list-style-type: none"> <li>• Fuel drain and fill to 40%</li> <li>• 12-36 h soak</li> <li>• Load canister with hydrocarbon vapours until 2g breakthrough at 40 g/h 50% butane/N2</li> <li>• Exhaust test: WLTP (recording emissions)</li> <li>• 0-1 h soak at 20-30°C</li> <li>• Canister purge drive at 20-30°C</li> </ul> <p><b>Refuelling event</b></p> <ul style="list-style-type: none"> <li>• Disconnect canister(s)</li> <li>• Fuel drain and fill to 10%</li> <li>• 6-24h soak at 27°C.</li> <li>• Reconnect canisters</li> <li>• Dispense fuel at 38 l/min until automatic shut-off. If &lt; 85% of total tank capacity is dispensed, continue auto-refuelling until fuel dispensed is ≥ 85%. Authorities may use 15 l/min</li> <li>• Dispense fuel temperature: 19°C</li> </ul>

<sup>5</sup> SHED: Sealed House for evaporative determination

**Table 4: Conditions for testing compliance with brake particle emission limits**

	<b>M<sub>1</sub>, N<sub>1</sub> vehicles</b>	<b>M<sub>2</sub>, M<sub>3</sub>, N<sub>2</sub> and N<sub>3</sub> vehicles</b>
Brake particle emissions test	Testing according to the UN GTR on brake emissions	

**Table 5: Conditions for testing compliance with tyre abrasion limits**

	<b>M<sub>1</sub>, N<sub>1</sub> vehicles</b>	<b>M<sub>2</sub>, M<sub>3</sub>, N<sub>2</sub> and N<sub>3</sub> vehicles</b>
Tyre abrasion limits test	Based on the testing methodologies developed in UN for testing tyre abrasion in real world	Based on the testing methodologies developed in UN for testing tyre abrasion in real world

**ANNEX IV**  
**LIFETIME REQUIREMENTS**

**Table 1: Lifetime of vehicles, engines and pollution control systems**

<b>Lifetime of vehicles, engines and replacement pollution control devices</b>	<b>M<sub>1</sub>, N<sub>1</sub> and M<sub>2</sub></b>	<b>N<sub>2</sub>, N<sub>3</sub>&lt;16t, M<sub>3</sub>&lt;7.5t:</b>	<b>N<sub>3</sub>&gt;16t, M<sub>3</sub>&gt;7.5t</b>
Main lifetime	Up to 160 000 km or 8 years, whichever comes first	300 000 km or 8 years, whichever comes first	700 000 km or 15 years, whichever comes first
Additional lifetime	After main lifetime and up to 200 000 km or 10 years whichever comes first	After main lifetime and up to 375 000 km	After main lifetime and up to 875 000 km

**Table 2: Applicable durability multipliers for adjusting exhaust emission limits under Annex 1 when testing vehicles, engines and replacement pollution control devices during additional lifetime.**

<b>Durability multipliers</b>	<b>M<sub>1</sub>, N<sub>1</sub> and M<sub>2</sub></b>	<b>N<sub>2</sub>, N<sub>3</sub>&lt;16t, M<sub>3</sub>&lt;7.5t:</b>	<b>N<sub>3</sub>&gt;16t, M<sub>3</sub>&gt;7.5t</b>
Durability multiplier for additional lifetime	1.2 for gaseous pollutant emissions		

**ANNEX V**

**APPLICATION OF TEST REQUIREMENTS AND DECLARATIONS**

**Table 1: Application of test requirements and declarations for M<sub>1</sub>, N<sub>1</sub> vehicles for vehicle manufacturers**

<b>Test requirements</b>	<b>Tests and requirements at initial emission type approval</b>	<b>Tests at conformity of production</b>	<b>Tests at in-service conformity</b>
Gaseous pollutants and PN in road testing (RDE)	Required demonstration test for all fuels for which the type approval is granted and declaration of compliance for all fuels, all payloads and all applicable vehicle types	Not required	Optional <sup>6</sup>
Gaseous pollutants, PM and PN in RDE cycles in the laboratory and CO <sub>2</sub> emissions, fuel consumption (OBFCM), electric energy consumption and electric range (Battery Durability) (WLTP at 23 °C)	Required where all pollutants cannot be measured on the road	Required	Required where all pollutants cannot be measured on the road
CO <sub>2</sub> ambient temperature correction (WLTP at 14°C)	Declaration <sup>6</sup>	Not required	Optional <sup>6</sup>
Crankcase emissions	Declaration that a closed crankcase system or routing to the tailpipe is installed <sup>6</sup>	Required	Optional <sup>6</sup>
Evaporative emissions SHED test	Required	Required	Optional <sup>6</sup>

<sup>6</sup> The type-approval authority may request the test to be performed

Refuelling emissions	Required	Not required	Not required
Emissions durability	Declaration	Not required	Not required
Battery durability	Declaration	Not required	Not required
Laboratory test of low temperature for emissions and range	Required	Not required	Optional <sup>6</sup>
On-board diagnostics	Declaration	Not required	Optional <sup>6</sup>
On-board monitoring	Declaration and demonstration	Not required	Required
Engine power	Required	Not required	Optional <sup>6</sup>
Anti-tampering, security and cybersecurity	Declaration and documentation	Not required	Not required
Adaptive controls (where applicable)	Declaration and demonstration	Not required	Not required
Geofencing technologies (where applicable)	Declaration and demonstration	Not required	Not required



**Table 2: Application of test requirements and declarations for M<sub>1</sub>, N<sub>1</sub> vehicles for Member States and recognised third parties/Commission**

Test requirements	Tests and requirements at initial emission type approval	Tests at conformity of production	Tests at in-service conformity		Tests at market surveillance	
			Type approval authority	Third parties and Commission	Market surveillance authorities	Third parties and Commission
Relevant actor	Type approval authority for issuing the type approval	Type approval authority	Type approval authority	Third parties and Commission	Market surveillance authorities	Third parties and Commission
Gaseous pollutants and PN in road testing (RDE)	Required demonstration test for all fuels for which the type approval is granted and declaration of compliance for all fuels, all payloads and all applicable vehicle types	Not required	Required for 5% of the vehicle types approved per year	Optional	Required	Optional
Gaseous pollutants, PM and PN in RDE cycles in the laboratory and CO <sub>2</sub> emissions, fuel consumption (OBFCM), electric energy consumption and electric	Required	Audits or optional testing	Optional	Optional	Optional	Optional

range (Battery Durability) (WLTP at 23 °C)										
CO <sub>2</sub> ambient temperature correction (WLTP at 14°C)	Declaration <sup>6</sup>	Not required	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Crankcase emissions	Declaration that a closed crankcase system or routing to the tailpipe is installed <sup>6</sup>	Audits or optional testing	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Evaporative emissions SHED test	Required	Audits or optional testing	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Refuelling emissions	Required	Not required	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Emissions durability	Declaration	Not required	Required	Required	Required	Required	Required	Required	Required	Required
Battery durability	Declaration	Not required	Required	Required	Required	Required	Required	Required	Required	Required
Laboratory test of Low temperature for emissions + range	Required	Not required	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
On-board diagnostics	Declaration	Not required	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
On-board monitoring	Demonstration +Declaration	Not required	Required	Required	Required	Required	Required	Required	Required	Required

Engine power	Required	Not required	Optional	Optional	Optional	Optional
Anti-tampering, security and cybersecurity	Declaration and documentation	Not required	Not required	Not required	Required	Optional
Adaptive controls (where applicable)	Declaration	Not required	Not required	Not required	Optional	Optional
Geofencing technologies (where applicable)	Declaration and demonstration	Not required	Not required	Not required	Required	Optional

**Table 3: Application of tests, declarations and other requirements for type-approval and extensions for M<sub>2</sub>, M<sub>3</sub>, N<sub>2</sub> and N<sub>3</sub> vehicles for manufacturers**

Test requirements	Tests and requirements at initial emission type approval	Tests at conformity of production	Tests at in-service conformity
Gaseous pollutants, PM and PN in road testing (RDE) for each fuel and for the applicable vehicle categories (M <sub>2</sub> , M <sub>3</sub> , N <sub>2</sub> and N <sub>3</sub> ) and low load test (if applicable)	Required demonstration tests for all fuels for which the type approval is granted per vehicle type and a declaration of compliance for all fuels, all payloads and all applicable vehicle types	Conformity of production performed at engine level only	Required test on a vehicle with any fuel and on any vehicle category and any payload for all engine types every two year
CO <sub>2</sub> and fuel/energy consumption, zero emission/electric range determination of a vehicle	VECTO licence	For components	Not required
Energy efficiency of trailers	VECTO licence	For components	Not required
Verification testing procedure	Not required	Required	Not required
Crankcase emissions	Check installation of closed crankcase system or routing to the tailpipe	Not required	Optional <sup>6</sup>
Emissions durability	Declaration	Not required	Not required
Battery durability	Declaration	Not required	Not required
On-board diagnostics (OBD family level)	Declaration	Not required	Optional <sup>6</sup>

On-board monitoring (OBM family level)	Demonstration + Declaration	Not required	Required
Anti-tampering, security and cybersecurity	Declaration and documentation	Not required	Not required
Adaptive controls (where applicable)	Declaration	Not required	Not required
Geofencing technologies (where applicable)	Declaration and demonstration	Not required	Not required

**Table 4: Application of test requirements and declarations for type-approval and extensions for M<sub>2</sub>, M<sub>3</sub>, N<sub>2</sub> and N<sub>3</sub> vehicles for Member States and recognised third parties/Commission**

Test requirements	Tests and requirements at initial emission type approval	Tests at conformity of production	Tests at in-service conformity		Tests at market surveillance	
			Type approval authority	Third parties and Commission	Market surveillance authorities	Third parties and Commission
Relevant actor	Type approval authority for issuing the type approval	Type approval authority	Type approval authority	Third parties and Commission	Market surveillance authorities	Third parties and Commission
Gaseous pollutants, PM and PN in road testing (RDE) for each fuel and for the applicable vehicle categories (M <sub>2</sub> , M <sub>3</sub> , N <sub>2</sub> and N <sub>3</sub> ) + low load test (if applicable)	Required demonstration tests for all fuels for which the type approval is granted per vehicle type and a declaration of compliance for all fuels, all payloads and all applicable vehicle types	(see engine requirements)	Required yearly for an adequate number of vehicle types on any fuel and on any vehicle category covered by the emission type approval	Optional	Required/Optional	Optional
CO <sub>2</sub> emissions, fuel/energy consumption, zero-emissions/electric range determination of a vehicle	Issue VECTO licence	For components	Not required	Not required	Optional	Optional

Energy efficiency of trailers	Issue VECTO licence	For components	Not required	Not required	Not required	Optional	Optional
Verification testing procedure	Not required	Required	Optional	Optional	Optional	Optional	Optional
Crankcase emissions	Check installation of closed crankcase system or routing to the tailpipe	Not required	Optional	Optional	Optional	Optional	Optional
Emissions durability	Declaration	Not required	Optional	Optional	Optional	Required	Optional
Battery durability	Declaration	Not required	Optional	Optional	Optional	Optional	Optional
On-board diagnostics (OBD family level)	Declaration	Not required	Optional	Optional	Optional	Required	Optional
On-board monitoring (OBM family level)	Declaration and demonstration	Not required	Not required	Not required	Not required	Required	Optional
Anti-tampering, security and cybersecurity	Declaration and documentation	Not required	Not required	Not required	Not required	Required	Optional
Adaptive controls (where applicable)	Declaration	Not required	Not required	Not required	Not required	Optional	Optional
Geofencing technologies (where applicable)	Declaration and demonstration	Not required	Not required	Not required	Not required	Required	Optional

**Table 5: Application of test requirements and declarations for type-approval and extensions of engines intended for M<sub>2</sub>, M<sub>3</sub>, N<sub>2</sub> and N<sub>3</sub> vehicles for manufacturers**

Test requirements for each fuel	Tests and requirements at initial emission type approval	Tests at conformity of production	Tests at in-service conformity
Gaseous pollutants, PM and PN and CO <sub>2</sub> emissions, fuel consumption on transient cycle (WHTC Cold and Hot)	Required on the parent engine of the emission family and declaration for all family members**	Required on an engine out of the family	
Engine tests for verifying data required for CO <sub>2</sub> determination	Required	Required	
Continuous/periodic regeneration	Declaration	Not required	
Crankcase emissions	Check installation of closed crankcase system or routing to the tailpipe	Not required	Performed only with the complete vehicle as in Tables 3 and 4
Emissions Durability	Declaration	Not required	
On-board diagnostics (OBD family level)	Declaration	Not required	
On-board monitoring (OBM family level)	Performed only with the complete vehicle as in Tables 3 and 4	Not required	
Engine power	Required		

\* The type approval authority may request a test to be performed during initial type approval.

\*\* Supported by data of engine testing of all power ratings.



**Table 6: Application of test requirements and declarations for type-approval and extensions of engines intended for M<sub>2</sub>, M<sub>3</sub>, N<sub>2</sub> and N<sub>3</sub> vehicles for Member States and recognised third parties/Commission**

Test requirements for each fuel	Tests and requirements at initial emission type approval	Tests at conformity of production	Tests at in service conformity	Tests at market surveillance
<b>Relevant actor</b>	<i>Type approval authority for issuing the type approval</i>	<i>Type approval authority</i>	-	-
Gaseous pollutants, PM and PN and CO <sub>2</sub> emissions, fuel consumption on transient cycle (WHTC Cold and Hot)	Required on the parent engine and a declaration for all family members**	Audit or optional testing		
Engine tests for verifying data required for CO <sub>2</sub> determination	Required	Audit or optional testing		
Continuous/periodic regeneration	Declaration	Not required		
Crankcase emissions	Check installation of closed crankcase system or routing to the tailpipe	Not required		
Emissions durability	Declaration	Not required		
On-board diagnostics (OBD family level)	Declaration	Not required		
On-board monitoring (OBM family level)	Performed only with the complete vehicle as in Tables 3 and 4		Performed only with the complete vehicle as in Tables 3 and 4	Performed only with the complete vehicle as in Tables 3 and 4

Engine power	Required	Not required	
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**Table 7: Application of test requirements and declarations for type-approval of pollution control systems for manufacturers**

Test requirements	Tests and requirements at initial emission type approval	Tests at conformity of production	Tests at in-service conformity
Demonstration of performance and durability with aged parts	Required/Declaration	Not required	Optional
Durability requirement check in real life (RDE test with aged vehicles)	Declaration	Not required	Optional

**Table 8: Application of test requirements and declarations for type-approval of pollution control systems for Member States and recognised third parties/Commission**

Test requirements	Tests and requirements at initial emission type approval	Tests at conformity of production	Tests at in-service conformity		Tests at market surveillance	
			Type approval authority	Third parties and Commission	Market surveillance authorities	Third parties and Commission
Relevant actor	Type approval authority for issuing the type approval	Type approval authority	Type approval authority	Third parties and Commission	Market surveillance authorities	Third parties and Commission
Demonstration of performance and durability with aged parts	Required	Optional	Optional/Optional		Optional/Optional	
Durability requirement check in real life (RDE test with aged vehicles)	Declaration	Not required	Optional/Optional		Required/Optional	

**Table 9: Application of test requirements for type-approval of brake systems for manufacturers**

Test requirements	Tests and requirements at initial emission type approval	Tests at conformity of production	Tests at in-service conformity
Brake system emissions test in WLTP brake cycle	Required	Required	Required

**Table 10: Application of test requirements for type-approval of brake systems for Member States and recognised third parties/Commission**

Test requirements	Tests and requirements at initial emission type approval	Tests at conformity of production	Tests at in-service conformity	Tests at market surveillance
<b>Relevant actor</b>	<i>Type approval authority for issuing the type approval</i>	<i>Type approval authority</i>	<i>Type approval authority</i>	<i>Market surveillance authorities</i>
Brake system emissions test in WLTP brake cycle	Required	Audit or optional testing	Required/Optional	Optional/Optional
			<i>Third parties and Commission</i>	<i>Third parties and Commission</i>

**ANNEX VI**

***CORRELATION TABLE***

**1. Regulation (EC) No 715/2007**

<b>Regulation (EC) No 715/2007</b>	<b>This Regulation</b>
Article 1(1)	Article 1(1)
Article 1(2)	Article 1(2)
Article 2(1)	Article 2(1)
Article 2(2)	Article 5(6)
Article 3	Article 3
Article 4(1), first subparagraph	Article 4(1), first subparagraph
Article 4(1), second subparagraph	Article 4(1), second subparagraph
Article 4(2)	Article 7(1)
Article 4(3)	Article 7(4)
Article 4(4)	Article 7(6)
Article 5(1)	Article 4(2)
Article 5(2)	Article 4(3)
Article 5(3)	Article 14(2)

Article 5(3), last subparagraph	Article 6 (1), second subparagraph
Article 10	Article 10
Article 11	Article 11
Article 12	—
Article 13	—
Article 14	—
Article 15	Article 17
Article 16	—
Article 17	Article 19
Article 18	Article 20
Annex I	Annex I
Annex II	—

2. **Regulation (EC) No 595/2009**

<b>Regulation (EC) No 595/2009</b>	<b>This Regulation</b>
Article 1	Article 1
Article 2, first subparagraph	Article 2, first subparagraph

Article 2, second subparagraph	—
Article 2, third subparagraph	—
Article 2, fourth subparagraph	—
Article 3	Article 3
Article 4(1)	Article 4(1)
Article 4(2)	Article 7(1)
Article 4(3)	Article 7(5)
Article 5(1)	Article 4(1), second subparagraph
Article 5(2)	Article 4(2)
Article 5(3)	Article 4(3)
Article 5(4)	Article 14(2)
Article 5a	Article 4(4)
Article 5b	Article 10(5)
Article 5c(a)	Article 14(4)(d)
Article 5c(b)	Article 14(4)(i)
Article 5c (c)	Article 14(4)(b)
Article 7	Article 12



Article 8	Article 10(4) and Article 10(5)
Article 9	Article 11
Article 10	—
Article 11	—
Article 12	—
Article 13	Article 17
Article 13a	Article 17
Article 14	—
Article 15	—
Article 16	—
Article 17	Article 19
Article 18	Article 20
Annex I	Annex I
Annex II	—

