



New requirements for L category vehicles (two-wheel, three-wheel vehicles and quads) on 1 January 2021

From 1 January 2021 new requirements apply to L category vehicles. These are:

- New emissions test procedure
- New Euro 5 emission limits
- New SHED test limits¹
- New durability test
- New on-board diagnostic (OBD) tests

For more details see below.

Topic	New standard	Old standard	Category affected	Applies from
Test cycle	Test Type I: Revised Worldwide harmonised Motorcycle Testing Cycle (WMTC) based test cycle	Test Type I, ECE R 47 test cycle	L1e, L2e, L6e	1 January 2021
		Test Type I, ECE R 40 (with extra urban driving cycle if applicable)	L5e-B, L7e-B, L7e-C	
		Test Type I, WMTC, Stage 2	L3e, L4e, L5e-A, L7e-A	
Test Type I: Tailpipe Emissions	Euro 5. See Table A2 of Annex VI to Regulation (EU) No. 168/2013	Euro 4. See Table A1 of Annex VI to Regulation (EU) No. 168/2013	L1e, L2e-P, L3e ² , L4e, L5e, L6e-A, L7e	1 January 2021

¹ 'SHED test' means a vehicle test in a sealed house for evaporation determination, in which a special evaporative emission test is conducted.

² Does not include L3e-AxE or L3e-AxT (where x is 1, 2 or 3)

Topic	New standard	Old standard	Category affected	Applies from
SHED test limits	SHED test limits. See Table C2 of Annex VI to Regulation (EU) No. 168/2013	SHED test limits. See Table C1 of Annex VI to Regulation (EU) No. 168/2013	L1e, L2e, L3e, L4e, L5e, L6e, L7e ³	1 January 2021
Test Type V, durability testing	Euro 5, durability mileage. See Tables (A) and (B) of Annex VII to Regulation (EU) No. 168/2013	Euro 4 durability mileage. See Tables (A) and (B) of Annex VII to Regulation (EU) No. 168/2013	L1e, L2e, L3e, L4e, L5e, L6e, L7e	1 January 2021
Test Type VIII, OBD environmental test	OBD Stage I functional requirements including any operating mode which significantly reduces engine torque	OBD Stage I functional requirements	L3e, L4e, L5e, L7e	1 January 2021
	OBD Stage I environmental test procedure (test Type VIII)	OBD Stage I environmental test procedure (test Type VIII)		
	OBD Stage I environmental test thresholds, See Table B1 of Annex VI to Regulation (EU) No. 168/2013	OBD Stage I environmental test thresholds, See Table B1 of Annex VI to Regulation (EU) No. 168/2013		

³ SHED test limits, Annex VI (C1) previously applied to categories L3e, L4e, L5e-A, L6e-A, L7e-A

Topic	New standard	Old standard	Category affected	Applies from
Test Type VIII, OBD environmental test	OBD Stage II functional requirements with the exception of catalyst monitoring	OBD Stage I functional requirements	L3e ² , L4e, L5e-A, L7e-A	1 January 2021
	OBD Stage II environmental test procedures (test Type VIII)	OBD Stage I environmental test procedure (test Type VIII)		
	OBD Stage II environmental test Thresholds See Table B1 of Annex VI to Regulation (EU) No. 168/2013	OBD Stage I environmental test thresholds, See Table B1 of Annex VI to Regulation (EU) No. 168/2013		