



Part 2

Technical Requirements for National Small Series Type-Approval for Category M₂, M₃, N₂, N₃ and O Vehicles

(small series limit: for M₂, M₃, N₂, N₃ and O is 250 vehicles per type per year)

To enable representative testing, the vehicle will be submitted in a presentable state and capable of being laden to maximum mass.

A manufacturer's representative shall be present to enable access to all parts of the vehicle, to assist in explanation of features of that vehicle, and to cooperate in any testing.

Where a type of system has been altered at the subsequent stage of completion of the vehicle, to the extent that the system has to be retested for type-approval purposes, that retesting shall be limited to only those parts of the system that have been altered or affected by the changes.

Table 2: Technical Requirements for National Small Series Type-Approval for Category M₂, M₃, N₂, N₃ and O Vehicles

'Alternative Technical Requirements' means technical requirements in Regulation 6.

No.	Subject	Regulatory Act	Applicability	Alternative Technical Requirements
A2	Seats and head restraints	Regulation (EU) 2019/2144	B or C	1. The installation of side facing seats is prohibited in vehicles of categories M2 (Class B or III) and M3 (Class B or III).
A3	Bus seats	Regulation (EU) 2019/2144	B or C	Not applicable
A4	Safety-belt anchorages	Regulation (EU) 2019/2144	B or C	<p>1. Applies to M2 (Class B or III), M3 (Class B or III), And, if fitted, M2 (Class A, I or II), M3 (Class A, I or II).</p> <p>2. For vehicles fitted with safety-belts which are not mandatory: The requirements of UN Regulation No 14 with the exception of the upper anchorage deflection according to 7.1.1.</p> <p>3. Until 31 December 2025, for extensions, compliance with Directive 76/115/EEC** is acceptable.</p>
A5	Safety-belts and restraint systems	Regulation (EU) 2019/2144	Component: X Installation: B or C	<p>1. Full technical provisions of UN Regulation No. 16 are required for all seating positions.</p> <p>2. Seat belts which have been specially designed or adapted for use by an adult or young person with a disability and intended for use solely by such person are exempt.</p> <p>3. Any vehicle not required to be fitted with seat belt anchorages is exempted from these requirements.</p> <p>4. A seat belt bearing an approval may be fitted, whether or not the seat belt has been type approved for the anchorages to which it is fitted, provided that the seat belt complies with the installation requirements.</p>
A6	Safety-belt reminders	Regulation (EU) 2019/2144	B	1. Not required on seats where seat belts are exempt as per item A5.
A8	Child restraint anchorages	Regulation (EU) 2019/2144	IF X	Not applicable
A9	Child restraint systems	Regulation (EU) 2019/2144	IF X	Not applicable

No.	Subject	Regulatory Act	Applicability	Alternative Technical Requirements
A10	Enhanced child restraint systems	Regulation (EU) 2019/2144	IF X	Not applicable
A11	Front underrun protection	Regulation (EU) 2019/2144	N2 and N3: Component: A Installation: B or C	1. Does not apply to off-road vehicles and vehicles where the provision of a front underrun device is incompatible with its use, subject to the decision of the Approval Authority.
A12	Rear underrun protection	Regulation (EU) 2019/2144	Component: A Installation: B or C	1. Vehicles where any RUPD (e.g. fixed, removable, foldable, adjustable, etc.) is incompatible with their use on roads may be partly or fully exempted from Regulation (EU) 2019/2144, subject to the decision of the Approval Authority. 2. An Installation check shall be made to confirm that the rear protective device as a separate technical unit is of a type for which: (a) A type-approval has been granted or test report has been issued; or (b) Has been tested and witnessed by the Approval Authority; or (c) Calculations have been submitted to the satisfaction of the Approval Authority; and a visual inspection that the device has been correctly installed in accordance with the technical requirements.
A13	Lateral protection	Regulation (EU) 2019/2144	N2, N3, O3 and O4: Component: D Installation: B or C	1. Vehicles where any lateral protection device (e.g. fixed, removable, foldable, adjustable, etc.) is incompatible with their on road use may be partly or fully exempted from Regulation (EU) 2019/2144, subject to the decision of the Approval Authority. 2. The test requirements of Paragraphs 12.10 and 14.4 of UN Regulation No. 73 do not apply if the device is designed to meet the strength characteristics equivalent to those needed to satisfy the requirements of those paragraphs.

No.	Subject	Regulatory Act	Applicability	Alternative Technical Requirements
A14	Fuel tank safety	Regulation (EU) 2019/2144	M2, M3, N2, N3: Liquid fuel tanks: B Installation: B or C O3 and O4: IF Component: B Installation: B or C	Not applicable
A15	Liquefied petroleum gas safety	Regulation (EU) 2019/2144	M2, M3, N2 and N3: IF Component: X Installation: A or C	Not applicable
A16	Compressed and liquefied natural gas safety	Regulation (EU) 2019/2144	M2, M3, N2 and N3: IF Component: X Installation: A or C	Not applicable
A17	Hydrogen safety	Regulation (EU) 2019/2144	M2, M3, N2 and N3: IF Component: X Installation: A	1. Compliance with Regulation (EC) No. 79/2009 is acceptable.
A18	Hydrogen system material qualification	Regulation (EU) 2019/2144	IF X	1. Compliance with Regulation (EC) No. 79/2009 is acceptable.
A19	In-use electric safety	Regulation (EU) 2019/2144	IF B	Not applicable
A24	Cab impact	Regulation (EU) 2019/2144	N2 and N3: B	Not applicable
B5	Pedestrian and cyclist	Regulation (EU) 2019/2144	M2, M3, N2 and N3: B	Not applicable

No.	Subject	Regulatory Act	Applicability	Alternative Technical Requirements
	collision warning			
B6	Blind spot information system	Regulation (EU) 2019/2144	M2, M3, N2 and N3: B	Not applicable
B7	Reversing detection	Regulation (EU) 2019/2144	M2, M3, N2 and N3: B	Not applicable
B10	Safety glazing	Regulation (EU) 2019/2144	Component: X Installation: B or C	<p>1. The regular light transmission shall not be less than 70% in the case of a windscreen and other glazing that is located in a position requisite for driving visibility.</p> <p>2. Paragraph 4.1.3. of Annex 24 to UN Regulation 43 does not apply.</p> <p>3. For rigid plastic panes fitted inside the vehicle which are requisite for the driver forward vision, the abrasion requirements for Class M shall be accepted as an alternative to the Class L abrasion requirements specified in Annex 24, paragraph 4.2.1.2.</p>
B11	Defrost/demist	Regulation (EU) 2019/2144	M and N: B	<p>1. Vehicles of Category M and N shall be fitted with a suitable windscreen defrosting and demisting device.</p> <p>2. Compliance with Commission Regulation (EU) No 672/2010 is acceptable.</p>
B12	Wash/wipe	Regulation (EU) 2019/2144	M and N: B	Not applicable

No.	Subject	Regulatory Act	Applicability	Alternative Technical Requirements
B13	Indirect vision devices	Regulation (EU) 2019/2144	M2, M3, N2 and N3: Component: X Installation: B or C O: N/A	1. Field of vision: Field of view requirements do not apply to Optional mirrors. “Optional mirrors” are mirrors not intended to give a clear view to the rear, side or front of the vehicle within the fields of vision defined in UN Regulation No. 46; therefore, they are in no way a substitute for rear view mirrors.
B14	Acoustic Vehicle Alerting Systems	Regulation (EU) No. 540/2014 Or UN Regulation No. 138.01	A or C	Not applicable
C1	Steering equipment	Regulation (EU) 2019/2144	A or C	1. For a modified system manoeuvrability test in accordance with paragraph 6 of UN Regulation No. 79.
C2	Lane departure warning system	Regulation (EU) 2019/2144	M2, M3, N2 and N3: X O: N/A	1. Not required for a complete vehicle or a completed vehicle where the complete or incomplete vehicle it is based upon was manufactured before 1 October 2017. 2. Shall be suitable for left-hand traffic*. 3. Not required for exempt vehicles listed in Article 1 of Regulation (EU) No. 351/2012. 4. Compliance with Regulation (EU) No. 351/2012 is acceptable.
C4	Braking	Regulation (EU) 2019/2144	M2, M3, N2, N3, O3 and O4: A O1: IF Component: A Installation: B or C O2: Component: A	1. For trailers equipped with antilock systems: A test shall be performed in accordance with Paragraph 6.1.4. of Annex 13 to UN Regulation No.13. 2. O1 and O2 trailers fitted with inertia brakes may alternatively comply with all of the following requirements: (a) technical reports to Appendix 2 and 3 of Annex 12 to UN Regulation No. 13; (b) a compatibility check to Appendix 4 of Annex 12; (c) compliance with the requirements of Annex I, paragraphs 5.2.2.9 however, this requirement does not apply to trailers with a maximum

No.	Subject	Regulatory Act	Applicability	Alternative Technical Requirements
			Installation: B or C	<p>mass not exceeding 1.5 metric tons provided that the trailers are fitted, in addition to the main coupling, with a secondary coupling (chain, cable, etc.), which, in the event of separation of the main coupling, can stop the drawbar from touching the ground and provide some residual steering action on the trailer and 5.2.2.10;</p> <p>(d) the technical requirements of Annex 12, paragraphs 3.1, 3.2, 3.4 excluding drag force check; and</p> <p>(e) a visual assessment to Annex 12, paragraphs 4.1, and of the first sentence of paragraph 4.2;</p> <p>A “Park Brake Test” means: A test for O2 and if fitted O1 category trailers that the park brake meets the performance requirement of, paragraph 2.3 of Annex 4 to UN Regulation No. 13.</p> <p>3. Applies to O1 category trailers if fitted.</p>
C7	Stability control	Regulation (EU) 2019/2144	B	Not applicable
C8	Advanced emergency braking on heavy-duty vehicles	Regulation (EU) 2019/2144	M2, M3, N2 and N3: X O: N/A	<p>1. Not required for a completed vehicle where the complete or incomplete vehicle it is based upon was manufactured before 1 October 2017.</p> <p>2. Not required for a complete vehicle which was manufactured before 1 October 2017.</p> <p>3. Not required for exempt vehicles listed in Article 1 of Regulation (EU) No. 347/2012.</p> <p>4. Not required for a completed vehicle where the complete or Incomplete vehicle upon which it is based has a gross weight not more than 8 tonnes or has hydraulic brakes or is not equipped with pneumatic rear suspension; and was manufactured before 1 November 2020.</p> <p>5. Not required for a complete vehicle which has a gross weight not more than 8 tonnes or has hydraulic brakes or is not equipped with pneumatic rear suspension; and which was manufactured before 1 November 2020.</p> <p>6. Compliance with Regulation (EU) 347/2012 is acceptable.</p>

No.	Subject	Regulatory Act	Applicability	Alternative Technical Requirements
C10	Tyre safety and environmental performance	Regulation (EU) 2019/2144	X	1. A test procedure for worn tyres shall also be ensured from 7 July 2026.
C14	Tyre pressure monitoring for heavy-duty vehicles	Regulation (EU) 2019/2144	M2, M3, N2, N3, O3 and O4: X O1 and O2: N/A	1. Date for the refusal to grant national type-approval for trailers of Category O3 and O4: 31 December 2025. 2. Date for the prohibition of the licensing of trailers of Category O3 and O4: 31 December 2025.
C15	Tyre installation	Regulation (EU) 2019/2144	B or C	1. Installation Check required to ensure that all tyres are marked in accordance with the Regulation including the appropriate speed and load ratings for their particular axle locations and the intended use of the vehicle. Check that tyres do not foul bodywork.
D1	Audible warning	Regulation (EU) 2019/2144	M2, M3, N2, N3: Component: X Installation: B or C O: N/A	Not applicable
D2	Radio interference (electromagnetic compatibility)	Regulation (EU) 2019/2144	A or B	1. Until 31 December 2025, for extensions, compliance with Directive 72/245/EEC** is acceptable.
D3	Protection against unauthorised use, immobiliser and alarm systems	Regulation (EU) 2019/2144	M2, M3, N2 and N3: IF D O: N/A	1. The following shall not apply on a compulsory basis: UN Regulation No. 18, paragraphs 5.8., 6.1.3., 6.1.4., 6.2.4., 6.2.5., 6.2.6., 6.2.7. and 6.3.5. 2. If fitted, the protective device shall fulfil the requirements of UN Regulation No. 18. 3. Immobilisers shall be approved as part of the base vehicle or as a Separate Technical Unit. 4. Alarms shall be approved as part of the base vehicle or as a Separate Technical Unit. 5. Until 31 December 2025, for extensions, compliance with Directive 74/61/EEC** is acceptable.
D4	Protection of vehicle against cyberattacks	Regulation (EU) 2019/2144	M2, M3, N2 and N3: B O: N/A	1. Only for vehicles fitted with automated drive or steer systems such as lane keep assist or adaptive cruise control. The devices

No.	Subject	Regulatory Act	Applicability	Alternative Technical Requirements
				<p>controlling and actuating these systems shall be covered by a cyber security management system (CSMS) and other applicable technical provisions of the Regulation, but the rest of the vehicle architecture that cannot influence the function of these systems shall be exempt from the scope of applicability.</p> <p>2. Subject to the decision of the Approval Authority, for completed vehicles, where the multi-stage approval does not affect the applicable technical provisions of UN Regulation No. 155 of the base vehicle approval, the final stage manufacturer shall submit a declaration to the Approval Authority. Where requested, the declaration shall outline why the multi-stage approval is exempt from the scope of applicability.</p>
D5	Speedometer	Regulation (EU) 2019/2144	M2, M3, N2 and N3: B or C O: N/A	1. This requirement does not apply to a vehicle fitted with a tachograph if the tachograph provides adequate visual indication of vehicle speed to the driver.
D6	Odometer	Regulation (EU) 2019/2144	M2, M3, N2 and N3: X O: N/A	Not applicable
D7	Speed limitation devices	Regulation (EU) 2019/2144	M2, M3, N2 and N3: X O: N/A	1. Installation Check for the set speed which shall be indicated on a plate in a conspicuous position in the driver's compartment.
D8	Intelligent speed assistance	Regulation (EU) 2019/2144	M2, M3, N2 and N3: B O: N/A	Not applicable
D9	Identification of controls, tell-tales and indicators	Regulation (EU) 2019/2144	M2, M3, N2 and N3: A or C O: N/A	<p>1. Inspection to confirm that the prescribed controls are marked in accordance with the requirements of the UN Regulation.</p> <p>2. Other optional controls should be readily identifiable and shall not be confusable with other symbols shown in the Regulation.</p> <p>3. Electronic displays shall follow any appropriate priority protocol.</p>

No.	Subject	Regulatory Act	Applicability	Alternative Technical Requirements
D10	Heating systems	Regulation (EU) 2019/2144	M2, M3, N2 and N3: B or C O: IF B or C	1. If fitted, until 31 December 2025, for extensions, compliance with Directive 2001/56/EC** is acceptable
D11	Light signalling devices	Regulation (EU) 2019/2144	X	1. UN Regulation No. 148 may apply as an alternative to UN Regulation Nos. 4, 6, 7, 23, 38, 77, 87 and 91. 2. UN Regulation No. 149 may apply as an alternative to UN Regulation No. 19.
D12	Road illumination devices	Regulation (EU) 2019/2144	M2, M3, N2 and N3: X O: N/A	1. UN Regulation No. 149 may apply as an alternative to UN Regulation Nos. 98, 112, 119 and 123. 2. Adaptive front lighting systems (AFS) apply if fitted.
D13	Retro-reflective devices	Regulation (EU) 2019/2144	X	1. UN Regulation No. 150 may apply as an alternative to UN Regulation Nos. 3 and 104. 2. Conspicuity Markings shall be red to the rear and white or yellow to the side and shall comply with UN Regulation No. 104.
D14	Light sources	Regulation (EU) 2019/2144	X	Not applicable
D15	Installation of light signalling, road illumination and retro-reflective devices	Regulation (EU) 2019/2144	B or C	1. Headlamp dipped beam shall be suitable for left hand traffic. Cut-off shall be verified*. 2. If there is only one rear fog lamp, it shall be on the right-hand side of the vehicle*. 3. An Installation Check will be conducted including any check the Approval Authority considers necessary. 4. The manufacturer should provide a list of components, their “e” / “E” numbers and any alternatives covered by test reports. 5. Amber side marker lamps may be wired to flash, provided that this flashing is in phase and at the same frequency with the direction indicator lamps at the same side of the vehicle. 6. The requirements of paragraphs 6.5.4.2 and 6.5.5 of UNECE Regulation 48 do not apply to any optional rear direction indicator lamps.

No.	Subject	Regulatory Act	Applicability	Alternative Technical Requirements
D16	Emergency Stop Signal	Regulation (EU) 2019/2144	M2, M3, N2 and N3: X O: N/A	1. Vehicles should have functionality to provide the emergency stop signal when an input is received, but it is not mandatory for this input to be enabled if it is not available from the existing approved brake system.
D17	Headlamp cleaners	Regulation (EU) 2019/2144	M2 and M3: X N2 and N3: IF X	Not applicable
E1	Alcohol interlock installation facilitation	Regulation (EU) 2019/2144	M2, M3, N2 and N3: A O: N/A	Not applicable
E2	Driver drowsiness and attention warning	Regulation (EU) 2019/2144	M2, M3, N2 and N3: B O: N/A	1. Not required on vehicles that are limited to 65 km/h as per the certificate of conformity.
E4	Driver availability monitoring system	Regulation (EU) 2019/2144	M2, M3, N2 and N3: IF B O: N/A	Not applicable
E5	Event data recorder	Regulation (EU) 2019/2144	M2, M3, N2 and N3: B O: N/A	Not applicable
E6	Systems to replace driver's control	Regulation (EU) 2019/2144	M2, M3, N2 and N3: IF B O: N/A	Not applicable
E7	Systems to provide the vehicle with information on state of vehicle and surrounding area	Regulation (EU) 2019/2144	M2, M3, N2 and N3: IF B O: N/A	Not applicable
F1	Registration plate space	Regulation (EU) 2019/2144	B or C	1. Compliance with Regulation (EU) No 1003/2010 is acceptable.
F2	Reversing motion	Regulation (EU) 2019/2144	M2, M3, N2 and N3: B O: N/A	1. Compliance with Regulation (EU) No 130/2012 is acceptable.
F4	Door entry steps, handholds and running boards	Regulation (EU) 2019/2144	N2, N3: B or C	1. Evidence that suitable proprietary parts from approved vehicles are used. 2. Until 31 December 2025, for extensions, compliance with

No.	Subject	Regulatory Act	Applicability	Alternative Technical Requirements
				Directive 70/387/EEC** is acceptable 3. Compliance with Regulation (EU) No 130/2012 is acceptable.
F6	External projections of commercial vehicle cabs	Regulation (EU) 2019/2144	N2 and N3: B M2, M3 and O: N/A	Not applicable
F7	Statutory plate and vehicle identification number	Regulation (EU) 2019/2144	B or C	1. Inspection to confirm: the presence of a plate bearing details of Make, Approval number, VIN (or equivalent unique vehicle identifier), and Masses (Maximum Design values for the Axles, Gross Vehicle and Gross Train); the initial VIN or unique vehicle identifier is indelibly marked on the chassis or other structure on the right hand side of the vehicle. 2. Where the vehicle is the subject of a multi-stage build a plate is required on completion of each stage as appropriate. 3. Compliance with Regulation (EU) 19/2011 is acceptable. 4. Until 31 December 2027, the requirement for a check digit referred to in Paragraph 2.1 and 2.4 of Section A of Part 2 of Annex II to Regulation (EU) 2021/535 does not apply.
F8	Towing devices	Regulation (EU) 2019/2144	M2, M3, N2 and N3: B or C O: N/A	1. Compliance with Regulation (EU) No 1005/2010 is acceptable
F10	Spray suppression systems	Regulation (EU) 2019/2144	M2 and M3: N/A N2, N3, O: Component: B Installation: B or C	1. Road Traffic (Spray Suppression Systems) Regulations 2023 (Statutory Instrument No. 409 of 2023) shall apply. Spray suppression systems are not required on vehicles in which the presence of spray suppression systems is incompatible with their use, subject to the decision of the Approval Authority. 2. Compliance with Regulation (EU) No. 109/2011 is acceptable.

F11	Masses and dimensions	Regulation (EU) 2019/2144	B or C	<p>1. The Road Traffic (Construction and Use of Vehicles) Regulations 2003 (Statutory Instrument No. 5 of 2003) as amended shall apply.</p> <p>2. For the purpose of Table I of Appendix 1 of Annex I to Regulation (EU) No. 1230/2012, the items specified shall also include:</p> <p>(i) any plate, whether rigid or movable, fitted to a trailer constructed for the purpose of carrying other vehicles and designed to bridge the gap between the trailer and a motor vehicle constructed for that purpose and to which the trailer is designed to be attached such that vehicles carried on it may be moved from the trailer to the motor vehicle or from the motor vehicle to the trailer;</p> <p>(ii) any part of a trailer designed primarily for use as a means of attaching it to another vehicle and any fitting designed for use in connection with any such part.</p> <p>3. For the purpose of Table I of Section F of Part 2 of Annex XIII to Regulation (EU) No. 2021/535, the items specified shall also include:</p> <p>(i) any plate, whether rigid or movable, fitted to a trailer constructed for the purpose of carrying other vehicles and designed to bridge the gap between the trailer and a motor vehicle constructed for that purpose and to which the trailer is designed to be attached such that vehicles carried on it may be moved from the trailer to the motor vehicle or from the motor vehicle to the trailer;</p> <p>(ii) any part of a trailer designed primarily for use as a means of attaching it to another vehicle and any fitting designed for use in connection with any such part.</p> <p>4. Compliance with Regulation (EU) 1230/2012 is acceptable.</p> <p>5. In the case of a vehicle of Category O4 having 3 axles, equipped with air suspension and equipped with a vehicle stability function for which an approval has been issued in accordance with UN Regulation No. 13, Section E of Part 2 of Annex XIII to Regulation (EU) 2021/535 is amended as follows:</p> <p>(a) for “12.00m” in Point 1.1.1. (b) substitute “14.05m”;</p>
-----	-----------------------	---------------------------	--------	--

No.	Subject	Regulatory Act	Applicability	Alternative Technical Requirements
F12	Mechanical couplings	Regulation (EU) 2019/2144	M2, M3, N2, N3: IF Component: A Installation: B or C O: Component: A Installation: B or C	1. Applies only to vehicles equipped with coupling(s).
F13	Vehicles intended for the transportation of dangerous goods	Regulation (EU) 2019/2144	M2 and M3: N/A N2, N3, O: A or B	1. Only applicable to vehicles intended for the transport of dangerous goods.
F14	General bus construction	Regulation (EU) 2019/2144	M2 and M3: B or C N2, N3, O: N/A	<p>1. The Road Traffic (Construction and Use of Vehicles) Regulations 2003 (Statutory Instrument No. 5 of 2003) as amended shall apply.</p> <p>2. Regulation (EU) 535/2021 Annex XIII, Part 2, Section C, Paragraph 2.2.3. shall apply.</p> <p>3. The installation of side facing seats is prohibited in vehicles of categories M2 (Class B or III) and M3 (Class B or III).</p> <p>4. Service doors shall be located on the lefthand side*.</p> <p>5. A door, not being a service door, may be fitted to the offside of a vehicle.</p> <p>6. In the case of any deck of a vehicle without a permanent top, the handrails are required to extend to the ceiling or to a height of not less than 1500mm. A handhold may be substituted for a handrail.</p> <p>7. As an alternative to paragraph 7.11.3.1 of Annex 3 to UN Regulation No. 107, a vehicle may be fitted with handrails or handholds on at least one side and in the case of double doors this requirement may be met by a central stanchion or handrail.</p> <p>8. Vehicles of Class A & B: The frontal barrier collision test in paragraph 7.6.7.2 of Annex 3 to UN Regulation No. 107 shall not apply to</p>

No.	Subject	Regulatory Act	Applicability	Alternative Technical Requirements
				<p>a vehicle in which all passengers have access to at least two doors, being either a service door or an emergency door, one of which is not a sliding door.</p> <p>9. Vehicles of Class B: UN Regulation No. 107, Annex 8, Paragraph 3.3.1. shall not apply.</p> <p>10. Vehicles of Class B with a variable seating or wheelchair arrangement: Paragraph 3.6.6 of Annex 8 to UN Regulation No. 107 shall not apply to the extent that it requires a pictogram internally adjacent to a priority seat or a wheelchair space.</p> <p>11. The test requirements of Paragraph 3.8. of Annex 8 to UN Regulation No. 107 do not apply if the vehicle is designed to meet the strength characteristics equivalent to those needed to satisfy the requirements of those paragraphs.</p> <p>12. In the case of Class I vehicles, the requirement of Annex 8, 3.1 for steps of not more than 200mm shall only apply between the nominated accessible door and all priority seat positions in the vehicle. All other steps which are not transitioned to seated position(s) shall comply with the requirements of 7.7.7.</p> <p>13. Paragraph 7.12.1. shall not apply to a seat in front of which is an existing vehicle structure or a support equivalent to a seat squab, (comprising a minimum a flat vertical foam 12mm deep attached to an existing structure) fitted at the forward end of the open area in place of separated by up to 1,800 mm offering comparable levels of protection as a guard meeting the requirements of Paragraph 7.12.1.</p> <p>14. Paragraph 7.4 of Annex 3 to UN Regulation No. 107 does not apply to a vehicle of Class B fitted with no more than 16 passenger seats.</p> <p>15. In the case of a vehicle of Class III specially designed for the carriage of school children, Annex 3 to UN Regulation No. 107 is amended as follows:</p> <p>(a) for “225 mm” in Paragraphs 7.7.8.1.1.2 and 7.7.8.1.2.2 substitute “200 mm”;</p> <p>(b) for “680 mm” in Paragraph 7.7.8.4.1</p>

No.	Subject	Regulatory Act	Applicability	Alternative Technical Requirements
				<p>substitute “650 mm”; and, (c) for “400 mm” in Paragraph 7.7.8.2.2 substitute “350 mm”.</p> <p>16. For vehicles of Class I, Annex 8 shall apply.</p> <p>17. For vehicles other than Class I – (a) if fitted with accommodation for a wheelchair the vehicle shall comply with the technical provisions of paragraphs 3.6 and 3.8 of Annex 8; (b) if fitted with a boarding aid the vehicle shall comply with the technical provisions of paragraph 3.11 of Annex 8.</p>
F15	Bus strength of superstructure	Regulation (EU) 2019/2144	A	1. Scope: M2 or M3, Class II or Class III or Class B with more than 16 passengers.
F16	Flammability in buses	Regulation (EU) 2019/2144	M2: N/A M3: B N and O: N/A	1. Applies to M3 Class II and Class III.
G1	Sound level	Regulation (EU) No 540/2014 Or UN Regulation No. 51.03	M2, M3, N2 and N3: A or C O: N/A	<p>1. Sections 1.1, 1.2 and 1.3 of Annex IV to Regulation (EU) No. 540/2014 shall not be compulsory.</p> <p>2. Sections 1.1, 1.2 and 1.3 of Annex 4 to UN Regulation No. 51 shall not be compulsory.</p> <p>3. Modification of the exhaust system length after last silencer not exceeding 2m is permissible without further test.</p> <p>4. Stationary Noise Test: Vehicles for which an approval has been granted or test report has been issued prior to modification of the exhaust system downstream of the catalyst, the Approval Authority will decide if a Stationary Noise Test will suffice.</p> <p>“Stationary Noise Test means”:</p> <p>a) In the case of a modified exhaust system a stationary test as defined in paragraphs 4.2.5.3.1. and 4.2.5.3.2. of Annex II to Regulation (EU) No. 540/2014 and shall not exceed the equivalent stationary value recorded on the Certificate of Conformity, Approval Certificate or test report for that vehicle by more than 2dB(A) at 0.5m.</p>

No.	Subject	Regulatory Act	Applicability	Alternative Technical Requirements
				b) In the case of vehicles having a maximum permissible mass exceeding 2,800 kg fitted with a modified air brake system, a test report is required to Appendix 2 of Annex I to Regulation (EU) No. 540/2014 except that this shall not apply if air brake silencers are fitted.
G2	Tailpipe emissions of vehicle in lab	Regulation (EC) No 715/2007	A	<ol style="list-style-type: none"> 1. This item does not apply to vehicles approved to item G3. 2. Modification of exhaust system length after the last silencer is permissible without any further test.
G2a	Determination of specific CO ₂ emissions and fuel consumption of vehicle and device for monitoring on board the vehicle the consumption of fuel and/or electric energy	Regulation (EC) No. 715/2007	A	Not applicable
G3	Tailpipe emissions of engine in lab	Regulation (EC) No 595/2009	A	<ol style="list-style-type: none"> 1. This item does not apply to vehicles approved to item G2. 2. For vehicles with a reference mass exceeding 2,610 kg which are not type-approved (at the manufacturer's request and provided their reference mass does not exceed 2,840 kg) under Regulation (EC) No. 715/2007. 3. The requirements according to the category of the base/incomplete vehicle or of the corresponding N category vehicle based on maximum mass may apply, provided that the reference mass is within the scope of Regulation (EC) No. 595/2009. 4. Modification of exhaust system length after the last silencer is permissible without any further test.
G3a	Determination of specific CO ₂ emissions and fuel consumption of vehicle	Regulation (EC) No. 595/2009	M3, N2 and N3: A	Not applicable

No.	Subject	Regulatory Act	Applicability	Alternative Technical Requirements
G3b	Determination of specific energy efficiency performance of trailer	Regulation (EC) No. 595/2009	O3 and O4: A	1. Date for the prohibition of the registration of trailers: 31 December 2025
G4	Tailpipe emissions on the road	Regulation (EC) No 715/2007 Regulation (EC) No 595/2009	M and N: A	Not applicable
G5	Durability of tailpipe emissions	Regulation (EC) No 715/2007 Regulation (EC) No 595/2009	M and N: A	Not applicable
G6	Crankcase emissions	Regulation (EC) No 715/2007 Regulation (EC) No 595/2009	M and N: A	Not applicable
G7	Evaporative emissions	Regulation (EC) No 715/2007	M2 and N2: A	1. Applies to vehicles of category M2 and N2 that are within the scope of Regulation (EC) No. 715/2007.
G8	Low-temperature tailpipe emissions in lab	Regulation (EC) No 715/2007	M2 and N2: A	1. Applies to vehicles of category M2 and N2 that are within the scope of Regulation (EC) No. 715/2007.
G9	On-board diagnostics	Regulation (EC) No 715/2007 Regulation (EC) No 595/2009	M and N: A	Not applicable
G10	Absence of defeat device	Regulation (EC) No 715/2007 Regulation (EC) No. 595/2009	M and N: A	Not applicable
G11	Auxiliary emissions strategies	Regulation (EC) No 715/2007 Regulation (EC) No. 595/2009	M and N: A	Not applicable
G12	Anti-tampering	Regulation (EC) No 715/2007 Regulation (EC) No. 595/2009	M and N: A	Not applicable
H1	Access to vehicle OBD information and vehicle repair and	Regulation (EU) 2018/858, Articles 61 to 66 and Annex X.	B or C	1. Manufacturers may provide information in an easily accessible manner. “easily accessible manner” means information available on websites,

No.	Subject	Regulatory Act	Applicability	Alternative Technical Requirements
	maintenance information			brochures, or in Portable Document Format (PDF).
H2	Software update	Regulation (EU) 2018/858, Annex IV UN Regulation No 156	N/A	1. Where a manufacturer performs a software update, this shall be done in accordance with UN Regulation No. 156.

Part 3

Technical Requirements (Supplementary) for National Small Series Type-Approval for Special Purpose Vehicles

(small series limit for Special Purpose vehicles are the same as for their parent category)

This supplement should be read in conjunction with Part III of Annex II to the Framework Regulation.

All requirements related to Part III of Annex II to the Framework Regulation apply unless specific alternatives or variations are listed in the table below.

All requirements related to the parent category apply unless specific exemptions or variations are listed here.

To enable representative testing the vehicle shall be submitted in a presentable state and capable of being laden to maximum mass.

For Special Purpose vehicles based on O category vehicles, a compatible towing vehicle also capable of being laden to maximum mass shall also be supplied.

A manufacturer's representative shall be present to enable access to all parts of the vehicle, to assist in explanation of features of that vehicle, and to cooperate in any testing.

Table 3: Technical Requirements (Supplementary) for National Small Series Type-Approval for Special Purpose Vehicles

No.	Subject	Specific issues	Applicability and variations
A1	Interior fittings	Wheelchair accessible vehicles	For the purpose of this requirement a wheel chair shall be considered to be a seat.