

SCHEDULE 3

PART 3

Technical Specification and Inspection Procedure for

National Small Series Approval for

Category O vehicles

(small series limit: for O₁ and O₂ is 500 vehicles per type per year; for O₃ or O₄ is 250 vehicles per type per year)

To enable representative testing the vehicle will be delivered in a presentable state and capable of being laden to maximum authorised weight.

A compatible towing vehicle also capable of being laden to maximum authorised must also be supplied.

A representative of the manufacturer must 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.

Subject / Requirements	Exemptions / Variations	Test Conditions / Resulting Documentation
1. Sound Level	Not Applicable	
2. Emissions	Not Applicable	
3. Fuel Tanks / Rear Protective Devices The technical provisions of: Directive 70/221/EEC as last amended by directive 2006/20/EC Or For liquid fuel tanks UNECE Regulation 34.01 And For vehicles using gaseous fuels: Regulations 67.01 and 115 for LPG. Regulation 110.00 and 115 for CNG. And For rear underrun - The technical provisions of paragraph 5 of Annex II to	<u>Fuel tanks for liquid fuels at ambient temperature</u> must : (a) comply with the requirements given in column 1 except that the approval or test report, need not be for the same vehicle type: and (b) subsequent modifications to the pipework or relocation of a tank excluding the tank, the cap/filler device or the venting device, may be accepted by the Approval authority. The requirements for liquid fuel tanks apply to all fuel tanks not just those used primarily for the propulsion of the vehicle. <u>Rear Protection Device</u> Applies to O ₃ and O ₄ vehicles	Installation Check that the fuel tank or rear underrun device has been correctly installed in accordance with the technical requirements <u>Fuel tanks for gaseous fuels</u> Approval or Test Report <u>Fuel tanks for liquid fuels at ambient temperature</u> Approval or Test Report <u>Rear Underrun</u> Approval or Test Report

<p>Directive 70/221/EEC as last amended by directive 2006/20/EC or UNECE Regulation 58.01</p>	<p>An Installation check must be made to confirm that the rear protective device as a separate technical unit is of a type for which:</p> <p>(a) a type approval or test report has been issued;</p> <p>or</p> <p>(b) has been tested and witnessed by the Approval Authority;</p> <p>or</p> <p>(c) calculations have been submitted to the satisfaction of the Approval Authority;</p> <p>and a visual inspection that the device has been correctly installed in accordance with the technical requirements.</p> <p>If the vehicle is fitted with a fuel tank for petrol the fuel tank shall be so constructed that it cannot readily be filled from a petrol pump delivery nozzle which has an external diameter of not less than 23.6mm without the aid of a device (such as a funnel) not fitted to the vehicle.</p> <p>The fuel system, including the fuel tank, shall be so designed, constructed and fitted as to withstand the forces, vibration and corrosive environment to which it is likely to be subject. It shall also be so fitted as to avoid the risk of damage, such as abrasion, due to fouling of other parts, and to minimise the risk of fire in the event of any leakage of fuel.</p>	
<p>4. Rear Registration Plate Space</p> <p>The technical provisions of paragraphs 1 and 2 to Directive 70/222/EEC</p>	<p>A check that the positional, dimensional and the visibility requirements are met.</p>	<p>Approval or Test Report Or A dimensional and the visibility check</p>
<p>5. Steering Effort</p> <p>The technical provisions of Directive 70/311/EEC as last amended Or UNECE Regulation 79.01</p>	<p>For a modified system manoeuvrability test in accordance with paragraph 5 of 1992/62/EEC</p>	<p>Laden vehicle. Approval or Test Report</p>

6. Door Latches and Hinges	Not Applicable	
7. Audible Warning	Not Applicable	
8. Indirect Vision Devices	Not Applicable	
9. Braking The technical provisions of: Paragraph 2 of Annex I to Directive 71/320/EEC as last amended by Directive 1998/12/EC and tests as defined in associated Annexes as may be applicable. Or Paragraph 5 of UNECE Regulation 13.09 and tests as defined in associated Annexes as may be applicable.	O ₂ , O ₃ , O ₄ , and O ₁ if fitted Category O2 trailers and O1 trailers fitted with an inertia type braking system may, as an alternative, comply with the following requirements: (a) technical reports to Directive 71/320/EEC, Annex VIII, Appendix 2 and 3; (b) a compatibility check to Annex VIII, Appendix 4; and (c) compliance with the requirements of Annex I, paragraphs 2.2.2.9 and 2.2.2.10; (d) the technical requirements of Annex VIII, paragraphs 3.1, 3.2, 3.4 excluding drag force check; (e) a visual assessment to Annex VIII, paragraphs 4.1, and of the first sentence of paragraph 4.2; (f) instead of the provisions in (a) to (e) the equivalent provisions of UNECE Regulation 13.09 may apply: and a Park Brake Test	Laden and Unladen vehicle Approval or Test Report A Park Brake Test means: A test for O2 and if fitted O1 category trailers that the park brake meets the performance requirement of Directive 71/320/EEC, Annex II, paragraph 2.2.2 or UNECE Regulation 13.09.
10. Suppression (Radio) / Electro-magnetic Compatibility The essential technical provisions of: Directive 72/245/EEC as last amended by Directive 2006/28/EC, section 6 of Annex I taking into consideration the exemptions in section 8 and tests specified in Annexes IV to X Or UNECE Regulation 10.03	Items for which approval has been granted as part of the base of incomplete vehicle approval do not need re-approval. If adding additional electrical/electronic components to the vehicle then these additional components should be “e” / ”E” marked. If they are not “e” / ”E” marked then the additional components will require EMC testing as per 2004/104/EC and a test report will be required for evidence of this.	<u>Components</u> Approval or Test Report <u>Installation</u> Approval or Test Report Or A Test / Inspection restricted to a check for “e” / “E” marked components and ESA approval for safety critical items.
11. Diesel Smoke	Not Applicable	
12. Interior Fittings	Not Applicable	

13. Anti-theft and Immobiliser	Not Applicable	
14. Protective Steering	Not Applicable	
15. Seat Strength	Not Applicable	
16. Exterior Projections	Not Applicable	
17. Speedometer and Reverse Gear	Not Applicable	
18. Plates (statutory) The technical provisions of: Directive 76/114/EEC as last amended by Directive 78/507/EEC. And Where the vehicle is the subject of a multi stage build a plate is required on completion of each stage as appropriate	Inspection to confirm: the presence of a plate bearing details of Make, Model, VIN (or equivalent unique vehicle identifier), and Masses (Maximum Design values for the Axles, Gross Vehicle and Gross Train, King Pin (for semi trailers only)); the initial VIN or unique vehicle identifier is marked on the chassis or other structure on the right hand side of the vehicle. And that it is placed in a clearly visible and accessible position by a method such as hammering or stamping, in such a way that it cannot be obliterated or deteriorate. Where the vehicle is the subject of a multi stage build a plate is required on completion of each stage as appropriate.	Inspection
19. Seat Belt Anchorages	Not Applicable	
20. Installation of Lighting and Light Signalling Devices The technical provisions of: Annex II to Directive 76/756/EEC as last amended by 2007/35/EC Or UNECE Regulation 48.03 And, where applicable UNECE 104 and Rear Marker Plates to Statutory Instrument 157 of 1985		Approval or Test Report All lighting devices must be “e” / “E” marked and of the correct categories to be fitted in appropriate locations. The manufacturer should provide a list of components, their e/E numbers and any alternatives covered by test reports.
21. Retro Reflectors, Rear Marker Plates and Conspicuity Markings The technical and marking requirements of Directive	Conspicuity Markings to be red to the rear and white or yellow to the side.	Approval or Devices must be “e” / “E” marked

76/757/EEC as last amended by Directive 97/29/EC Or UNECE Regulation 3.02 And, where applicable Rear Marker Plates to Statutory Instrument 157 of 1985 and UNECE Regulation (conspicuity markings)		
22. End-outline, Front-position (side), Rear-position (side), Stop, Side Marker, Daytime Running Lamps The technical and marking requirements of Directive 76/758/EEC as last amended by Directive 97/30/EC Or For End-Outline, Front-Position (side), Rear-Position (side), and Stop lamps UNECE Regulation 7.02 For Side Marker lamps, UNECE Regulation 91.00		Approval or Devices must be “e” / “E” marked
23. Direction Indicators The technical and marking requirements of Directive 76/759/EEC as last amended by Directive 99/15/EC Or UNECE Regulation 6.01		Approval or Devices must be “e” / “E” marked
24. Rear Registration Plate Lamps The technical and marking requirements of Directive 76/760/EEC as last amended by Directive 97/31/EC Or UNECE Regulation 4.00		Approval or Devices must be “e” / “E” marked
25. Headlamps including	Not Applicable	

bulbs		
25A. Cornering Lamps	Not Applicable	
26. Front Fog Lamps	Not Applicable	
27. Towing Hooks	Not Applicable	
28. Rear Fog Lamps The technical and marking requirements of Directive 77/538/EEC as last amended by Directive 99/14/EC Or UNECE Regulation 38.00		Approval or Devices must be “e” / “E” marked
29. Reversing Lamps The technical and marking requirements of Directive 77/539/EEC as last amended by Directive 97/32/EC Or UNECE Regulation 23.00	O ₂ , O ₃ , O ₄ , and O ₁ if fitted	Approval or Devices must be “e” / “E” marked
30. Parking Lamps	Not Applicable	
31. Seat Belts and Restraint Systems	Not Applicable	
32. Forward Vision	Not Applicable	
33. Identification of Controls	Not Applicable	
34. Defrost / Demist	Not Applicable	
35. Wash / Wipe	Not Applicable	
36. Heating Systems The technical provisions of: Directive 2006/19/EC, section 3 of Annex II, and Annexes III, VII and VIII. Or UNECE Regulation 122	Systems using waste heat from the engine cooling system need only be checked for presence and operation. Vehicle manufacturer needs to demonstrate the essential requirements are fulfilled. If air is the medium for heat transfer, conduct a test to ensure that CO levels of air coming from vents is not more than 20ppm above the 'ambient' air. Normal exhaust measuring equipment may be sufficiently sensitive.	<u>Combustion heaters (if fitted)</u> Approval or Test Report <u>Waste Heat Systems</u> Approval or Test Report Or Installation Check
37. Wheel Guards	Not Applicable	
38. Head Restraints	Not Applicable	
39. CO₂ Emissions / Fuel Consumption	Not Applicable	
40. Engine Power	Not Applicable	
41. Diesel Emissions	Not Applicable	

42. Lateral Protection The technical provisions of: paragraphs 1 to 4 of Directive 89/297/EEC Or UNECE Regulation 73.	Applies to O ₃ and O ₄ vehicles	Approval or Test Report
43. Spray-suppression systems Component: Directive 91/226/EEC. Vehicle: The technical provisions of: Directive 91/226/EEC.	Applies to O ₃ and O ₄ vehicles. Installation Check confirms that approved devices are fitted and installed in accordance with the directive. Except where fitted the requirements do not apply to 'off-road' vehicles as defined in Directive 70/156/EEC, or vehicles in which the presence of spray-suppression devices is incompatible with their use.	Approval or Test Report And Installation Check
44. Masses and Dimensions (cars)	Not Applicable	
45. Safety Glass The technical and marking provisions of: Directive 92/22/EEC as amended by Directive 2001/92/EC Or UNECE Regulation 43.	Exclusions defined in paragraph 1 of Annex II to Directive 92/22/EEC as amended. Directive 92/22/EEC, Annex III, paragraph 2.1.1 and 2.1.2 do not apply.	<u>Component</u> Approval And all glazing must be e/E marked <u>Installation</u> Approval or Test Report or manufacturer's test report and installation check.
46. Tyres The technical provisions and marking requirements of: Directive 92/23/EEC as last amended by Directive 2005/11/EC Or UNECE Regulations 30.02 or 30.03, 54 for durability and 117 for noise.	Installation Check required to ensure that all tyres (except those that are not accessible) are marked in accordance with the directive including the appropriate speed and load ratings for their particular axle locations and the intended use of the vehicle. Check that tyres don't foul bodywork.	<u>Component</u> Approval or Devices must be "e" / "E" marked <u>Installation</u> Approval or Test Report Or Installation Check Where markings cannot be checked a declaration will be required from the manufacturer
47. Speed Limiters	Not Applicable	
48. Masses and Dimensions		Approval or Test Report

The technical provisions of: Directive 97/27/EC as amended, section 7 of Annex I. Or UNECE Regulation 107.02, Annex 11.		
49. External Projections of Cabs	Not Applicable	
50. Couplings Where fitted, the technical provisions of: Annex VII to Directive 94/20/EC Or UNECE Regulation 55.01 or 102 for close coupling devices		<u>Component</u> Approval <u>Installation</u> Approval / Test Report
51. Flammability	Not Applicable	
52. Buses and Coaches	Not Applicable	
53. Frontal Impact	Not Applicable	
54. Side Impact	Not Applicable	
55. Blank		
56. Vehicles Intended for the Transport of Dangerous Goods The technical provisions of: Directive 98/91/EC, section 4 of Annex I. Or UNECE Regulation 105	Only applicable to vehicles intended for the transport of dangerous goods.	Approval / Test Report
57. Front Underrun Protection	Not Applicable	
58. Pedestrian Protection	Not Applicable	