

SCHEDULE 3

PART 4

Technical Specification and Inspection Procedure (Supplementary) for

National Small Series Approval for Special Purpose vehicles (and vehicles adapted for disabled persons)

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

This supplement should be read in conjunction with Technical Specification and Inspection
Procedure for the category of vehicle on which it is based.

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

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

For Special Purpose vehicles based on O category vehicles, 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	Exemptions / Variations related to Special Purpose Vehicles
1. Sound Level	<p>In the case of a motor-caravan, ambulance or hearse, the requirements according to the base/incomplete vehicle may apply. In the case of an incomplete/completed vehicle, it is acceptable that the requirement for vehicles of the corresponding category N (based on maximum mass) are satisfied.</p> <p>If a motor-caravan, ambulance, hearse, or other special purpose vehicle is type approved and the exhaust system is subsequently modified after the last silencer by not more than 2m in length, no further test is required.</p> <p>In the case of a mobile crane point 5.2.2.1 of Annex I to Directive 70/157/EEC the following limit values are applicable: 81 dB(A) for vehicles with an engine power of less than 75 kW 83 dB(A) for vehicles with an engine power of not less than 75 kW but less than 150 kW 84 dB(A) for vehicles with an engine power of not less than 150 kW.</p>

2. Emissions (Light Duty Vehicles)	<p>In the case of a motor-caravan, ambulance or hearse, the requirements according to the base/incomplete vehicle may apply. In the case of an incomplete/completed vehicle, it is acceptable that the requirement for vehicles of the corresponding category N (based on maximum mass) are satisfied.</p> <p>In the case of a motor-caravan, ambulance, hearse or other special purpose vehicle, an EC type-approval issued to the most representative base vehicle remains valid irrespective of change in reference weight.</p> <p>In the case of an armoured vehicle exemption from one or more of the provisions in column 2 is permissible where it can be demonstrated to the satisfaction of the Approval Authority that the special purpose of the vehicle makes it impossible to fully comply.</p> <p>In the case of a wheelchair accessible vehicle the modification of the exhaust system is permitted without any further test provided:</p> <p style="padding-left: 40px;">(a) the emission control devices including particulate filters (if any) are not affected; and</p> <p>No new evaporative test shall be required on the modified vehicle on condition that the evaporative control devices are kept as fitted by the manufacturer of the base vehicle.</p>
3. Fuel Tanks / Rear Protective Devices	No Exemptions or Variations
4. Rear Registration Plate Space	In the case of all special purpose vehicles exemption from one or more of the provisions in column 2 is permissible where it can be demonstrated to the satisfaction of the Approval Authority that the special purpose of the vehicle makes it impossible to fully comply provided that a IRL registration plate can be mounted and remain visible.
5. Steering Effort	<p>In the case of a mobile crane with a crab steering system may be fitted.</p> <p>In the case of a disable person's vehicle Directive 70/311/EEC, Annex I, paragraphs 4.1.1.2 and 4.2.1.1.2. shall not apply to a steering control system designed to meet the needs of a driver with a physical disability.</p>
6. Door Latches and Hinges	<p>In the case of a mobile crane exemption from one or more of the provisions in column 2 is permissible where it can be demonstrated to the satisfaction of the Approval Authority that the special purpose of the vehicle makes it impossible to fully comply.</p> <p>For the purpose of this provision the seat cushion of a wheelchair is considered to be a seat.</p> <p>A door for wheelchair access must comply with paragraph 3.3 of Annex I to the directive.</p>
7. Audible Warning	<p>In the case of an armoured vehicle:</p> <p style="padding-left: 40px;">(a) exemption from one or more of the provisions in column 2 is</p>

	<p>permissible where it can be demonstrated to the satisfaction of the Approval Authority that the special purpose of the vehicle makes it impossible to fully comply; and</p> <p>(b) additional panic alarm devices are permitted.</p> <p>Optional panic alarm not forming part of an alarm system shall comply with the following:</p> <p>(a) The alarm signal shall be audible and in addition may include optical alarm devices, or be a radio alarm, or any combination of the above.</p> <p>(b) The technical requirements of Directive 74/61/EEC as last amended by Directive 95/56/EC, Annex VI, Part II, paragraphs 8.2 to 8.8, 9.1.2 to 9.2.1, 9.2.3 to 9.4, 9.6, 9.9 to 9.10, and 9.11.2 to 11. inclusive.</p> <p>(c) unsetting the panic alarm shall immediately cut the alarm signal.</p> <p>(d) any reference to “alarm” or “AS” shall be taken to mean “panic alarm</p>
8. Indirect Vision Devices	<p>In the case of a motor-caravan, ambulance or hearse, the requirements according to the base/incomplete vehicle may apply. In the case of an incomplete/completed vehicle, it is acceptable that the requirement for vehicles of the corresponding category N (based on maximum mass) are satisfied.</p> <p>In the case of an armoured vehicle, exemption from one or more of the provisions in column 2 is permitted where it can be demonstrated to the satisfaction of the Approval Authority that the special purpose of the vehicle makes it impossible to fully comply.</p>
9. Braking	<p>In the case of a motor-caravan, ambulance or hearse, the requirements according to the base/incomplete vehicle may apply. In the case of an incomplete/completed vehicle, it is acceptable that the requirement for vehicles of the corresponding category N (based on maximum mass) are satisfied.</p> <p>In the case of a mobile crane with more than 4 axles derogations are permitted provided that:</p> <p>(a) they are justified by the particular construction; and</p> <p>(b) all the braking performances relating to parking, service and secondary braking are fulfilled.</p> <p>In the case of a disabled person's vehicle The requirements for the driver to be able to operate the service braking system while keeping both hands on the steering control, and the secondary braking system while keeping at least one hand on the steering control, shall not apply to, so long as the vehicle is adapted for a disabled driver to enable him to control the steering at all times while operating either braking system.</p> <p>Where supplementary controls are fitted for a disabled driver both the standard and supplementary shall comply with the technical requirements.</p>
10. Suppression (Radio) /	No Exemptions or Variations

Electro-magnetic Compatibility	
11. Diesel Smoke	No Exemptions or Variations
12. Interior Fittings	<p>For the purpose of this requirement a wheelchair shall be considered to be a seat.</p> <p>In the case of an armoured vehicle exemption from any requirement of this item is permitted if it can be demonstrated to the satisfaction of the Approval Authority that it is impossible for the vehicle to comply due to its special purpose.</p>
13. Anti-theft and Immobiliser	In the case of a wheelchair accessible vehicle, motor-caravan, ambulance or hearse , the requirements according to the base/incomplete vehicle may apply. In the case of an incomplete/completed vehicle, it is acceptable that the requirement for vehicles of the corresponding category N (based on maximum mass) are satisfied.
14. Protective Steering	<p>This item shall not apply to an armoured vehicle.</p> <p>If a disabled person's vehicle had been adapted, then the requirements of this item shall not apply to the vehicle insofar as the adaptation prevents the vehicle from complying with any of the requirements of this item.</p>
15. Seat Strength	<p>In the case of a motor-caravan, ambulance, hearse, armoured vehicle, mobile crane or other special purpose vehicle, any seats which are not designated for use when travelling on a road must be clearly identified to users by means of a pictogram or a sign with appropriate text.</p> <p>In the case of a motor-caravan, ambulance or hearse, the requirements according to the base/incomplete vehicle may apply. In the case of an incomplete/completed vehicle, it is acceptable that the requirement for vehicles of the corresponding category N (based on maximum mass) are satisfied.</p> <p>In the case of a disabled person's vehicle this item does not apply to the anchorages of any seat designed for a disabled person, so long as such a seat is securely attached to the vehicle but shall comply with all other technical requirements.</p> <p>In the case of a wheelchair accessible vehicle:</p> <ul style="list-style-type: none"> (a) a wheelchair location shall be considered as a seating position but the requirements do not apply to the wheelchair. (b) For each wheelchair sufficient space shall be provided. The longitudinal plane of the special area shall be parallel to the longitudinal plane of the vehicle. <p>Appropriate adaptations may be made to the seats of the vehicle provided that their anchorages, mechanisms and head restraints guarantee the same level of performance provided for in the</p>

	Directive.
16. Exterior Projections	<p>In the case of all special purpose vehicles those parts of a special purpose vehicle other than the driver's cabin shall be exempted from any requirement of this item if it can be demonstrated to the satisfaction of the Approval Authority that it is impossible for the vehicle to comply due to its special purpose.</p> <p>In the case of an armoured vehicle exemption from any requirement of this item is permitted if it can be demonstrated to the satisfaction of the Approval Authority that it is impossible for the vehicle to comply due to its special purpose.</p> <p>In the case of a wheelchair accessible vehicle the requirements shall apply to boarding aids when in the position for vehicle travel.</p>
17. Speedometer and Reverse Gear	No Exemptions or Variations
18. Plates (statutory)	No Exemptions or Variations
19. Seat Belt Anchorages	<p>In the case of a motor-caravan, ambulance, hearse, mobile crane or other special purpose vehicle, Any seats which are not designated for use when travelling on a road must be clearly identified to users by means of a pictogram or a sign with appropriate text.</p> <p>In the case of a motor-caravan, ambulance or hearse, the requirements according to the base/incomplete vehicle may apply. In the case of an incomplete/completed vehicle, it is acceptable that the requirement for vehicles of the corresponding category N (based on maximum mass) are satisfied.</p> <p>In the case of an armoured vehicle exemption from any requirement of this item is permitted if it can be demonstrated to the satisfaction of the Approval Authority that it is impossible for the vehicle to comply due to its special purpose.</p> <p>In the case of a wheelchair accessible vehicle:</p> <ul style="list-style-type: none"> (a) Each wheelchair location shall be fitted with an integrated restraint system which consists of a restraint system for the wheelchair and a restraint system for the wheelchair user. (b) Anchorages for restraint systems shall resist forces as prescribed in Directive 76/115/EEC and in Standard ISO 10542-1: 2001. (c) Webbing and hardware intended to secure the wheelchair (tie-down mechanisms) shall meet the requirements of Directive 77/541/EEC and of the relevant part of Standard ISO 10542. <p>Tests shall be performed by the technical service which has been appointed for testing and checking in accordance with the Directives referred to above. The criteria are those included in these Directives. Tests shall be performed with the surrogate wheelchair described in Standard ISO 10542.</p>

20. Installation of Lighting and Light Signalling Devices	<p>In the case of a motor-caravan, ambulance, hearse, armoured vehicle, mobile crane, or other special purpose vehicle, exemption from one or more of the provisions is permitted where it can be demonstrated to the satisfaction of the Approval Authority that the special purpose of the vehicle makes it impossible to fully comply provided that all mandatory lighting devices are fitted and, except in the case of a mobile crane, that the geometric visibility is not affected.</p> <p>In the case of a motor-caravan, ambulance or hearse, the requirements according to the base/incomplete vehicle may apply to the cab. In the case of an incomplete/completed vehicle, it is acceptable that the requirement relating to the cab for vehicles of the corresponding category N (based on maximum mass) are satisfied.</p>
21. Retro Reflectors	No Exemptions or Variations
22. End-outline, Front-position (side), Rear-position (side), Stop, Side Marker, Daytime Running Lamps	No Exemptions or Variations
23. Direction Indicators	No Exemptions or Variations
24. Rear Registration Plate Lamps	No Exemptions or Variations
25. Headlamps including bulbs	No Exemptions or Variations
25A. Cornering Lamps	No Exemptions or Variations
26. Front Fog Lamps	No Exemptions or Variations
27. Towing Hooks	<p>In the case of an armoured vehicle, mobile crane, or other special purpose vehicle, exemption from one or more of the provisions is permitted where it can be demonstrated to the satisfaction of the Approval Authority that the special purpose of the vehicle makes it impossible to fully comply.</p> <p>In the case of a motor-caravan, ambulance or hearse, the requirements apply only to the front of the vehicle.</p>
28. Rear Fog Lamps	No Exemptions or Variations
29. Reversing Lamps	No Exemptions or Variations
30. Parking Lamps	No Exemptions or Variations
31. Seat Belts and Restraint Systems	<p>In the case of a motor-caravan, ambulance, hearse, mobile crane or other special purpose vehicle, Any seats which are not designated for use when travelling on a road must be clearly identified to users by means of a pictogram or a sign with appropriate text.</p> <p>In the case of a motor-caravan, ambulance, or hearse, at least lap belts are required for rear seating positions.</p>

	<p>In the case of a motor-caravan, ambulance or hearse, the requirements according to the base/incomplete vehicle may apply. In the case of an incomplete/completed vehicle, it is acceptable that the requirement for vehicles of the corresponding category N (based on maximum mass) are satisfied.</p> <p>In the case of an armoured vehicle, exemption from one or more of the provisions is permitted where it can be demonstrated to the satisfaction of the Approval Authority that the special purpose of the vehicle makes it impossible to fully comply.</p> <p>In the case of a prison vehicles seat belts are required to be fitted for the driver's and any front passenger's seat. Any other optional seat belts fitted must also comply.</p> <p>In the case of a wheelchair accessible vehicle when, due to the conversion, anchorage points for the safety belts need to be moved outside the tolerance provided for in point 2.7.8.1. of Annex I to Directive 77/541/EEC, the technical service shall check whether the alteration constitutes a worst case or not. If that is the case, the test provided for in Annex VII to Directive 77/541/EEC shall be performed. Extension to the EC type-approval does not need to be issued. This does not apply to a seat that is a wheelchair.</p>
32. Forward Vision	<p>In the case of an armoured vehicle the light transmission factor shall be at least 60% and the 'A' pillar obstruction angle shall not exceed 10°.</p> <p>In the case of a wheelchair accessible vehicle adapted for a wheelchair to be used as the driver's seat, it shall be sufficient to demonstrate to the satisfaction of the Approval Authority that the driver's forward vision is comparable to that of the original driver's seat when the vehicle was first approved to the directive when the seat height adjustment of the original seat shall be set in the mid position.</p>
33. Identification of Controls	No Exemptions or Variations
34. Defrost / Demist	In the case of an armoured vehicle exemption from any requirement of this item is permitted if it can be demonstrated to the satisfaction of the Approval Authority that it is impossible for the vehicle to comply due to its special purpose.
35. Wash / Wipe	In the case of an armoured vehicle exemption from any requirement of this item is permitted if it can be demonstrated to the satisfaction of the Approval Authority that it is impossible for the vehicle to comply due to its special purpose.
36. Heating Systems	No Exemptions or Variations
37. Wheel Guards	No Exemptions or Variations
38. Head Restraints	Does not apply to a seat which is a wheelchair.

39. CO₂ Emissions / Fuel Consumption	<p>Does not apply to special purpose vehicles other than a wheelchair accessible vehicle.</p> <p>In the case of a wheelchair accessible vehicle a new measurement relating to CO₂ emissions does not need to be performed when no fresh tests have to be performed with regard to tail pipe emissions.</p>
40. Engine Power	No Exemptions or Variations
41. Diesel Emissions	<p>In the case of a motor-caravan, ambulance or hearse, the requirements according to the base/incomplete vehicle may apply. In the case of an incomplete/completed vehicle, it is acceptable that the requirement for vehicles of the corresponding category N (based on maximum mass) are satisfied.</p> <p>In the case of a mobile crane compliance with Directive 97/68/EC can be accepted.</p>
42. Lateral Protection	No Exemptions or Variations
43. Spray-suppression systems	No Exemptions or Variations
44. Masses and Dimensions (cars)	<p>In the case of wheelchair accessible vehicles:</p> <ul style="list-style-type: none"> (a) For the purposes of calculations, the mass of the wheelchair including the user shall be assumed to be 100 kg. The mass shall be concentrated at the H point of the three dimensional Machine. (b) The technical service shall also consider the possibility to use electric wheelchair(s), the mass of which, including the user, is assumed to be 250 kg. <p>Whether the vehicle is suitable for an electric wheelchair and any limitation in the passenger capacity resulting from the use of electric wheelchair(s) shall be recorded in the type-approval certificate and in an appropriate language thereto shall be included in the certificate of conformity.</p>
45. Safety Glass	<p>In the case of a motor-caravan, ambulance or hearse, the requirements according to the base/incomplete vehicle may apply. In the case of an incomplete/completed vehicle, it is acceptable that the requirement for vehicles of the corresponding category N (based on maximum mass) are satisfied.</p> <p>In the case of a motor-caravan, ambulance or hearse, mobile crane, or other special purpose vehicle, the requirements for all window glazing, other than the driver's cab glazing (windshield and side glazing), the material may be either safety glass or rigid plastic glazing.</p> <p>This item does not apply to an armoured vehicle.</p>
46. Tyres	<p>In the case of a motor-caravan, ambulance or hearse, the requirements according to the base/incomplete vehicle may apply. In the case of an incomplete/completed vehicle, it is acceptable that the requirement for vehicles of the corresponding category N (based on maximum mass) are satisfied.</p>

	<p>In the case of an armoured vehicle, or mobile crane, save as required by paragraph 3, exemption from one or more of the provisions is permitted where it can be demonstrated to the satisfaction of the Approval Authority that the special purpose of the vehicle makes it impossible to fully comply.</p> <p>In the case of a mobile crane the provision in paragraph 2 above applies on condition that the requirements in ISO 10571 – 1995 (E) or ETRTO Standards Manual 1998 are fulfilled.</p>
47. Speed Limiters	No Exemptions or Variations
48. Masses and Dimensions	<p>Exemption from Annex I, paragraph 7.3.1: a trailer for abnormal indivisible loads of exceptional length; a trailer being a drying or mixing plant designed for the production of asphalt or of bituminous or tar macadam and used mainly for the construction, repair or maintenance of roads; a road planing machine;</p> <p>3. In the case of a semi-trailer which is a car transporter for the distance mentioned in Annex I, paragraph 7.3.1.4.1 shall be substituted 12.5 m and for paragraph 7.3.1.4.2 shall be substituted 4.19 m.</p> <p>6. Exemption from Annex I, paragraph 7.6: “Abnormal Indivisible Load” (<i>what is RoI equivalent</i>) vehicle; a semi-trailer low loader; a semi-trailer step-frame low loader.</p> <p>7. In the case of a semi-trailer being a car transporter Annex I, paragraph 7.6 shall apply save that any part of the semi-trailer forward of the transverse plane passing through the king pin may be ignored.</p>
49. External Projections of Cabs	In the case of an armoured vehicle , exemption from one or more of the provisions in column 2 is permitted where it can be demonstrated to the satisfaction of the Approval Authority that the special purpose of the vehicle makes it impossible to fully comply.
50. Couplings	In the case of a motor-caravan, ambulance or hearse , the requirements according to the base/incomplete vehicle may apply. In the case of an incomplete/completed vehicle, it is acceptable that the requirement for vehicles of the corresponding category N (based on maximum mass) are satisfied.
51. Flammability	<i>Flammability only applies to M₃</i>
52. Buses and Coaches	In the case of an armoured vehicle , exemption from one or more of the provisions is permitted where it can be demonstrated to the satisfaction of the Approval Authority that the special purpose of the vehicle makes it impossible to fully comply
53. Frontal Impact	Not Applicable
54. Side Impact	

55. <i>Blank</i>	
56. Vehicles Intended for the Transport of Dangerous Goods	No Exemptions or Variations
57. Front Underrun Protection	No Exemptions or Variations
58. Pedestrian Protection	Not Applicable