

1973 No. 1199

ROAD TRAFFIC

The Motor Vehicles (Type Approval) Regulations 1973

<i>Made - - - -</i>	<i>3rd July 1973</i>
<i>Laid before Parliament</i>	<i>20th July 1973</i>
<i>Coming into Operation</i>	<i>10th August 1973</i>

The Secretary of State for the Environment, as the designated Minister under the European Communities (Designation) Order 1972(a), in exercise of his powers under section 2 of the European Communities Act 1972(b) and of all other enabling powers, hereby makes the following Regulations:—

PART I—GENERAL

Commencement and citation

1. These Regulations shall come into operation on 10th August 1973 and may be cited as the Motor Vehicles (Type Approval) Regulations 1973.

Vehicles to which the Regulations apply

2. These Regulations apply in relation to every motor vehicle (other than a land tractor) which is manufactured on or after 1st July 1973, being a vehicle which—

(a) has four or more wheels; and

(b) is so constructed as to be capable of exceeding a speed of 25 kilometres per hour on the level under its own power, and to every trailer which is manufactured on or after that date, being a trailer drawn by such a motor vehicle, and references in Parts II and III of these Regulations to a vehicle to which these Regulations apply shall be construed accordingly.

In this Regulation, “land tractor” means a tractor which is designed primarily for work on the land in connection with agriculture or forestry and which is not designed primarily for use on a road (within the meaning of the Road Traffic Act 1972(c)) for the conveyance of any goods or burden other than agricultural or woodland produce or articles required for the purposes of agriculture or forestry.

Interpretation

3.—(1) In these Regulations—
“information document”—

(a) S.I. 1972/1811 (1972 III, p. 5216).

(b) 1972 c. 68.

(c) 1972 c. 20.

- (i) in relation to a motor vehicle to which these Regulations apply or to a component of such a vehicle, means a document in the form set out in Part I of Schedule 1 to these Regulations, and
- (ii) in relation to a trailer to which these Regulations apply or to a component of such a trailer, means a document in the form set out in Part II of that Schedule;

“type approval certificate”, in relation to a vehicle to which these Regulations apply or to a component of such a vehicle, means a document in the form set out in Part III of Schedule 1 to these Regulations to which there is attached an information document relating to that vehicle or, as the case may be, to that component;

“certificate of conformity”, in relation to a vehicle to which these Regulations apply, means a document in the form set out in Part IV of the said Schedule 1;

“conform” means conform in all respects or with any permitted variation;

“the type approval requirements” means the requirements contained in the Community Directives, being requirements with respect to the design, construction, equipment and marking of vehicles or their components;

“the relevant aspects of design, construction, equipment and marking”, in relation to a vehicle or to the component of a vehicle, means those aspects of design, construction, equipment and marking which are subject to the type approval requirements;

“the Community Directives” means the Council Directives concerning the approximation of laws of member States for the purposes of the type approval of motor vehicles and trailers and their components in relation to the design, construction, equipment and marking of such vehicles and components, being the Directives mentioned in Schedule 2 to these Regulations;

“member State” means any State which is a member of the European Economic Community;

“component”, in relation to a vehicle has the same meaning as the expression “motor vehicle part” as that expression is defined in section 63(4) of the Road Traffic Act 1972;

“vehicle component” has the meaning assigned to that expression in Regulation 4(1) below; and references to the competent authority of any member State other than the United Kingdom are references to the authority in that State who has functions in relation to the type approval of vehicles and their component corresponding to those of the Secretary of State under these Regulations.

(2) Any notice required under these Regulations to be given by or to any person shall be given in writing.

(3) The Interpretation Act 1889(a) shall apply for the interpretation of these Regulations as it applies for the interpretation of an Act of Parliament.

PART II—TYPE APPROVAL OF VEHICLES AND THEIR COMPONENTS

Application for type approval

4.—(1) An application by or on behalf of a manufacturer for the approval of a vehicle to which these Regulations apply as a type vehicle, or of the component of such a vehicle (hereafter referred to as “a vehicle component”) as a type component, shall be made in writing to the Secretary of State and shall be accompanied by an information document duly completed so as to furnish all the information required by the document (being such of that information as is applicable to a vehicle or, as the case may be, a vehicle component of the type in respect of which the application is made), together with such other documents as are mentioned in the said information document as being required in connection with the application.

(2) Where in pursuance of this Regulation an application has been made to the Secretary of State in respect of a vehicle or vehicle component of a particular type, then until that application is disposed of or, where an appeal is made under Regulation 13 below in respect of the decision on that application, until that appeal has been disposed of, no similar application in respect of a vehicle or vehicle component of that type shall be made by or on behalf of the same manufacturer to the competent authority of any other member State.

Approval of type vehicles or type vehicle components

5.—(1) Where the Secretary of State is satisfied on application made to him by or on behalf of the manufacturer of a vehicle to which these regulations apply or of a vehicle component and after examination of the vehicle, or, as the case may be, the vehicle component—

- (a) that the vehicle or vehicle component is of a type which conforms—
 - (i) with the information given in relation to the vehicle or vehicle component in the information document which accompanied the application, and
 - (ii) with such of the type approval requirements as apply in relation to vehicles or vehicle components of that type; and
- (b) that adequate arrangements have been made to secure that other vehicles or other vehicle components purporting to conform with that vehicle or, as the case may be, that component in the relevant aspects of design, construction, equipment and marking will so conform in all respects or with such variations as are permitted by those requirements,

he shall approve the vehicle as a type vehicle or, as the case may be, the vehicle component as a type vehicle component and shall issue a type approval certificate in respect of it.

(2) A type approval certificate may be issued in respect of a type vehicle where the Secretary of State is satisfied that one or more, but not all, of the type approval requirements applicable to vehicles of that type are complied with in the case of that vehicle and a further type approval certificate may be issued by virtue of this paragraph on the application of any person who manufactures any part of the vehicle or by whom the vehicle is finally assembled, and references in these Regulations to a manufacturer shall be construed accordingly.

(3) Where the Secretary of State on an application under Regulation 4 above decides not to issue a type approval certificate in respect of a vehicle or vehicle component he shall give notice to the applicant of the decision stating the grounds on which it is based and informing the applicant of his right of appeal under Regulation 13 below in respect of the decision and, within a period of one month from the date on which that notice is given, shall give the like notice to the competent authority of every other member State.

(4) Where the Secretary of State issues a type approval certificate in pursuance of an application under Regulation 4 above he shall, within a period of one month from the date on which the certificate is issued, give notice of that fact to the competent authority of every other member State and shall include with that notice a copy of the type approval certificate so issued.

Certificates of conformity to a type vehicle

6.—(1) Subject to paragraph (2) below, a manufacturer of a type vehicle in respect of which a type approval certificate is in force may issue, in respect of each vehicle which is manufactured by him and which conforms with the type vehicle in such of the relevant aspects of design, construction, equipment and marking as are mentioned in the type approval certificate, a certificate of conformity stating that the vehicle does so conform.

(2) Where a certificate of conformity is issued in consequence of any type approval certificate issued by virtue of Regulation 5(2) above, it shall relate only to the type approval requirement or requirements to which that type approval certificate relates.

Conditions of issue of type approval certificates and cancellation or suspension thereof for breach of condition

7.—(1) A type approval certificate may be issued subject to conditions with respect to—

- (a) the inspection by officers of the Secretary of State of samples of vehicles or vehicle components purporting to conform with the type vehicle or, as the case may be, the type vehicle component in the relevant aspects of design, construction, equipment and marking and of the parts and equipment of any vehicles, and of the parts of any vehicle components, selected for such inspection, and, for that purpose, the entry of premises where any such vehicles or vehicle components are manufactured; and
- (b) the notification by the manufacturer of differences of design, construction, equipment or marking (other than such variations as are permitted by the type approval requirements) between any such vehicles and the type vehicle or between any such vehicle components and the type vehicle component which might affect those requirements.

(2) If it appears to the Secretary of State that there has been a breach of a condition subject to which a type approval certificate has been issued or if he ceases to be satisfied as to any other matter relevant to a type approval certificate, he may, by notice under Regulation 12 below, cancel or suspend the certificate.

Notice by a manufacturer of cessation of, or alteration in, the manufacture of vehicles or vehicle components of an approved type, or of alterations in the relevant aspects of design etc.

8.—(1) Where a manufacturer of a type vehicle or a type vehicle component in respect of which a type approval certificate is in force—

- (a) intends to cease the manufacture of that vehicle or vehicle component; or
- (b) intends to make any alteration in that manufacture such that any of the particulars furnished in the relevant information document no longer apply in relation to the vehicle or, as the case may be, the vehicle component; or
- (c) intends to make any alteration in any of the relevant aspects of design, construction, equipment or marking (being aspects in relation to which notice has been previously given to the manufacturer by the Secretary of State that they are aspects to which this sub-paragraph applies), the manufacturer shall, as soon as practicable after forming that intention, give notice of it to the Secretary of State specifying the type vehicle or, as the case may be, the type vehicle component to which it relates and—
 - (i) in a case mentioned in sub-paragraph (a) above, the date when the manufacture of the vehicle or vehicle component in question is to cease, and
 - (ii) in a case mentioned in sub-paragraph (b) or (c) above, particulars of the alterations in question and of the date or dates on which they are to be made.

In this paragraph the reference to the relevant information document is a reference to the information document which, in accordance with Regulation 4(1) above, accompanied the application under that Regulation for the type approval certificate in question.

(2) In addition to the notice required under paragraph (1) above the manufacturer concerned shall, not later than fourteen days after the date on which he has ceased the manufacture of the vehicle or vehicle component in question or, as the case may be, after he has made any alterations such as are mentioned in sub-paragraph (b) or (c) of the said paragraph (1), give notice of that fact to the Secretary of State specifying—

- (i) the date (whether or not it is the same date specified in the notice under the said paragraph (1)) on which the manufacture ceased or, as the case may be, the alterations were made, and
- (ii) where the notice under the said paragraph (1) related to a type vehicle, the frame or chassis number assigned to the vehicle of that type which was last manufactured before that date.

(3) A copy of any notice given by or to a manufacturer under paragraph (1) above or by a manufacturer under paragraph (2) above shall, within a period of one month from the date on which it is given, be sent by the Secretary of State to the competent authority of every other member State.

Cancellation, suspension or modification of a type approval certificate where notice is given under Regulation 8

9.—(1) Where a notice given by a manufacturer under Regulation 8(1) or (2) above is a notice that he intends to cease or, as the case may be, has ceased, the

manufacture of a vehicle or a vehicle component of the type referred to in the notice, the Secretary of State may cancel the type approval certificate in force in respect of the type vehicle or, as the case may be, the type vehicle component to which the said notice relates.

(2) Where a notice given by a manufacturer under the said Regulation 8(1) or (2) is a notice that he intends to make or, as the case may be, that he has made alterations such as are mentioned in sub-paragraph (b) or (c) of the said Regulation 8(1) the Secretary of State, if satisfied that the alterations specified in the notice are such as to necessitate doing so, may, by notice under Regulation 12 below—

- (a) cancel or suspend the type approval certificate in force in respect of the vehicle or vehicle component to which the notice relates; or
- (b) cancel the said type approval certificate and substitute for it, without further application by the manufacturer, a new type approval certificate in respect of the same type vehicle or, as the case may be, the same type vehicle component; or
- (c) modify the said type approval certificate.

Cancellation or suspension of type approval certificates where vehicles or vehicle components are not manufactured in conformity with type approval requirements

10.—(1) If the Secretary of State—

- (a) after examination of at least two vehicles, being vehicles of a particular type in respect of which a type approval certificate is in force and in respect of each of which a certificate of conformity is in force, or after examination of at least two vehicle components, being components of a particular type in respect of which a type approval certificate is in force, is satisfied that each of those vehicles or, as the case may be, each of those vehicle components has not been manufactured so as to conform with the relevant aspects of design, construction, equipment or marking; or
- (b) is notified by the competent authority of any other member State that, in relation to any such vehicles or vehicle components and the manufacturer thereof as may be specified by that authority, the authority, after such examination as aforesaid, is similarly so satisfied, he shall give notice of that fact to the manufacturer specifying—
 - (i) the particular respects in which the vehicles or vehicle components in question have been found (either by the Secretary of State or, as the case may be, the said competent authority) not so to conform,
 - (ii) the steps that shall be taken by the manufacturer to ensure that vehicles or vehicle components of that type are manufactured by him so as to conform with the said aspects and the period within which those steps shall be taken, and
 - (iii) that unless those steps are taken within that period the type approval certificate in question may be cancelled or suspended,

and if, at any time after the expiration of that period, the Secretary of State (whether or not after any or any further examination of any such vehicles or vehicle components) is not satisfied that all the steps so specified have been taken, he may, by notice under Regulation 12 below, cancel or suspend the type approval certificate.

(2) A copy of any notice given to a manufacturer under paragraph (1) above shall, within a period of one month from the date on which it is given, be sent by the Secretary of State, to the competent authority of every other member State.

Suspension of type approval certificates where vehicles having a certificate of conformity are altered

11.—(1) If, after examination of a vehicle in respect of which a certificate of conformity is in force, the Secretary of State is satisfied that an alteration has been made to the vehicle (being an alteration in any of the relevant aspects of design, construction, equipment or marking which, by virtue of Regulation 8(1)(c) above, are required to be notified by the manufacturer of the vehicle) he may, by notice under Regulation 12 below, suspend the relevant type approval certificate.

(2) In this Regulation, “the relevant type approval certificate” means the certificate issued under Regulation 5(1) above in respect of a vehicle of the type to which the vehicle mentioned in paragraph (1) above conformed in the respects mentioned in Regulation 6(1) above at the time when that vehicle was manufactured.

Notice of cancellation, suspension or modification of type approval certificates

12.—(1) Where the Secretary of State decides to cancel, suspend or modify a type approval certificate under any provisions of these Regulations, he shall—

- (a) as soon as practicable, give notice of the decision to the manufacturer to whom the certificate was issued; and
- (b) within a period of one month from the date on which that notice is given, give the like notice to the competent authority of every other member State.

(2) A notice under paragraph (1) above shall specify the date on which the cancellation, suspension or modification of the certificate to which the notice relates shall take effect and—

- (a) in the case of cancellation, shall specify the grounds for the decision to cancel;
- (b) in the case of suspension, shall specify—
 - (i) the grounds for the decision to suspend,
 - (ii) the conditions which must be fulfilled before the suspension can cease to have effect; and
 - (iii) that the suspension shall have effect until such time as the Secretary of State gives notice to the manufacturer under this sub-paragraph that he is satisfied that the said conditions have been fulfilled; and
- (c) in the case of modification, shall specify particulars of the modifications, and shall inform the manufacturer concerned of his right of appeal under Regulation 13 below in respect of the decision.

(3) The cancellation, suspension or modification of a type approval certificate under any provision of these Regulations shall not affect the validity of any certificate of conformity previously issued in consequence of that type approval certificate.

Appeals

13.—(1) A person who is aggrieved by a decision given by or on behalf of the Secretary of State with respect to a type approval certificate may, within the time and in the manner respectively specified in paragraphs (2) and (3) below, appeal to the Secretary of State, and on the appeal the Secretary of State—

- (a) shall have the like powers and duties as he has on an original application for a type approval certificate;
- (b) may hold an inquiry in connection therewith; and
- (c) may appoint an assessor for the purpose of assisting him with the appeal or any such inquiry.

(2) An appeal under paragraph (1) above shall be made by notice to the Secretary of State which shall be lodged with him not later than fourteen days from the date on which notice of the decision in respect of which the appeal is made was given.

(3) A notice of appeal under this Regulation shall state the grounds on which the appeal is made and shall be accompanied by the following documents, that is to say:—

- (a) a copy of the information document which, in accordance with Regulation 4(1) above, accompanied the application under that Regulation for the type approval certificate in question; and
- (b) where the appeal relates to the cancellation, suspension or modification of a type approval certificate, a copy of that certificate.

PART III—SUPPLEMENTARY PROVISIONS*Provision of testing stations*

14. The Secretary of State may provide and maintain stations where examination of vehicles (being vehicles to which these Regulations apply) and the components of such vehicles may be carried out for the purposes of these Regulations and may provide and maintain the apparatus for carrying out such examinations.

Keeping and inspection of records relating to certificates of conformity

15.—(1) A manufacturer of a type vehicle in respect of which a type approval certificate is in force shall keep a record of every certificate of conformity issued by him under Regulation 6 above, being a record of the serial number of the certificate and of the manufacturer's identification number assigned to the vehicle in respect of which the certificate was issued and of the Community reference numbers of the Community Directives with whose requirements the vehicle conformed.

(2) A person authorised for the purpose by the Secretary of State may, on giving any such manufacturer as aforesaid reasonable notice and after production, if so required, of his authority, require the manufacturer to produce for inspection the records kept by him under paragraph (1) above, and the authorised person may inspect and take copies of such records.

(3) In a case where any such manufacturer as aforesaid fails to comply with a requirement under paragraph (2) above or obstructs an authorised person in the exercise of his powers under that paragraph, the Secretary of State may treat the case as if there had been, in relation to the type approval certificate mentioned in paragraph (1) above, a breach of a condition such as is mentioned in Regulation 7(2) above and (without prejudice to the application of the said Regulation 7(2) in respect of any other breach of a condition so mentioned) the provisions of that Regulation and of Regulations 12 and 13 above shall apply accordingly in relation to that certificate.

Signed by authority of the Secretary of State.

3rd July 1973.

John Peyton,
Minister for Transport Industries,
Department of the Environment.

**SCHEDULE 1
PART I**

(See Regulation 3(1))

Form of information document in relation to a motor vehicle to which these Regulations apply or to a component of such a motor vehicle

**FOR DOE
USE ONLY**

TYPE APPROVAL OF A MOTOR VEHICLE

in accordance with EEC Directive 70/156

INFORMATION DOCUMENT

NUMBER

Items of information heavily outlined to be omitted where application is for a passenger car in category M1

If a component has been approved under an EEC Directive its description shall be replaced by the approval number in this document.

If the space is insufficient for an answer please add further pages.

Notes (a) to (p) are at page 21

**FOR DOE
APPROVAL**

- 0. GENERAL
- 0.1 Make
- 0.2 Type and commercial description
(include all variants)
- 0.3 Class (eg private car, estate car
goods vehicle, public service vehicle)
- 0.4 Category (a)
- 0.4.1 Manufacturers vehicle identification code,
(if any, explanation of system)
- 0.5 Name and address of manufacturer
- 0.6 Name and address of manufacturer's
authorised representative (if address
at 0.5 is outside United Kingdom)

0.7	Location of identification plates and inscriptions and method of fixing:
0.7.1	on the chassis
0.7.2	on the body
0.7.3	on the engine
0.8	Commencing chassis number
1.	BODYWORK AND CHASSIS (to be shown on drawings 1 & 2, see list on page 20)
1.1	Type of bodywork (material used and construction method)
1.2	Number of axles and wheels [(count twin wheels as one) if tracklaying vehicle, number of tracks]
1.2.1	[Number of twin wheels (if applicable)]
1.2.2	Driving wheels (number, situation, connection to other axles) [count twin wheels as one]
1.3	Position of driving cab forward/semi-forward/normal
1.4	Number and position of doors (direction of opening, latches & hinges).
1.5	Seats (number, position, type)
1.6	Windscreen and other windows (number and position, material and approval details)
1.6.1	Field of vision (to be shown on drawing 14)
1.6.2	Angle of inclination of windscreen
1.7	Rear view mirrors (number and position)
1.8	Arrangement and identification of controls (to be shown on drawing 15)
1.9	Safety belt and other retention devices (type, number and position)
1.9.1	Safety belt anchorage points (number and position) (to be shown on drawing 16)
1.10	Interior protection for occupants (brief description)
1.11	Chassis frame (if any) (brief description) (to be shown on drawing 3)

1.12	Material used	
1.13	Yield point	
1.14	Ultimate tensile stress	
1.15	Elongation (%)	
1.16	Brinell hardness	
2.	WEIGHTS AND DIMENSIONS (use metric units) (<i>b</i>)	
2.1	Overall length (<i>c</i>)	
2.2	Overall height (unladen) (<i>d</i>)	
2.3	Overall width (<i>e</i>)	
2.4	Wheelbase (<i>f</i>)	
2.5	Track of each axle (<i>g</i>)	Intermediate
	Front	„
	Rear	„
2.6	Overhang—Front (<i>h</i>)	
2.7	Overhang—Rear (<i>i</i>)	
2.8	Ground clearance (laden) (<i>j</i>)	
2.9	In the case of tractive units:	
2.9.1	Fifth wheel lead (<i>k</i>)	
2.9.2	Maximum height of the fifth wheel (standardised) (<i>l</i>)	
2.9.3	Distance between the rear of the cab and the rear axle:	
2.9.3.1	Distance between the rear of the cab and the rear axle(s) (in cases of a chassis with cab)	
2.9.3.2	Distance between the rear of the steering wheel and the rear axle(s) (in the case of a bare chassis)	
2.10	Weight of vehicle (less coolant, oils, fuel, spare wheel, tools, driver and cab)	
2.10.1	Distribution of this weight:	On intermediate axle
	On front axle	„
	On rear axle	„
2.11	Weight of vehicle in running order (with coolant, oils, fuel, spare wheel, tools and driver) (<i>m</i>)	
2.11.1	Distribution of this weight:	On intermediate axle
	On front axle	„
	On rear axle	„
		On kingpin
		„
2.12	Maximum allowable gross vehicle weight permitted by maker	

2.12.1 Distribution of this weight: On front axle On rear axle	<table border="1"> <tr> <td>On intermediate axle</td> </tr> <tr> <td>On kingpin "</td> </tr> </table>	On intermediate axle	On kingpin "
On intermediate axle			
On kingpin "			
2.13 Maximum allowable weight on each axle permitted by maker On front axle On rear axle	<table border="1"> <tr> <td>On intermediate axle</td> </tr> <tr> <td>On kingpin "</td> </tr> </table>	On intermediate axle	On kingpin "
On intermediate axle			
On kingpin "			
2.14 If the vehicle is used as a drawing vehicle the maximum allowable laden weight of the combination permitted by the maker			
2.14.1 Maximum allowable weight of trailer permitted by maker (if applicable)			
2.15 Maximum permitted towing weight (unbraked trailer)			
2.16 Maximum permitted towing weight (braked trailer)			
2.17 Maximum gradient fully laden (stop/start)			
2.18 Maximum gradient fully laden with maximum towing weight (stop/start)			
2.19 Recommended vertical hitch load			
2.20	Permissible maximum laden weight		
2.20.1 FOR	Distribution of this weight -on front axle -on rear axle -intermediate axle - " " -on kingpin "		
2.21 DOE	Permissible maximum weight on each axle -on front axle -on rear axle -intermediate axle - " " -on kingpin "		
2.22 APPROVAL	Where vehicle is used as a drawing vehicle, permissible maximum weight of the combination		
2.22.1	Maximum weight of the trailer, where applicable		
3. ENGINE (If other than piston engine, give full description at 10.7)			
3.1 Manufacturer			

- 3.2 Designation
- 3.3 Type
 - 3.3.1 Position and arrangement in vehicle
- 3.4 Number and arrangement of cylinders
- 3.5 Capacity (cc)
- 3.6 Bore (mm)
- 3.7 Stroke (mm)
- 3.8 Max power, kw @ rpm (to be shown in drawing 17)
- 3.9 Max torque, Nm @ rpm „ „ „
- 3.10 Test standard used
- 3.11 Compression ratio
- 3.12 Normal fuel (petrol, diesel)
- 3.13 Type of carburetter and number fitted
- 3.14 Injection pump
- 3.15 Governor
- 3.16 Injector type
- 3.17 Fuel pump
- 3.18 Supercharger (type, pressure etc.)
- 3.19 Ignition (type of equipment, type of advance control)
- 3.20 Suppression equipment
- 3.21 FUEL SYSTEM
 - 3.21.1 Location of tank(s) (to be shown on drawing 2)
 - 3.21.2 Capacity (mention reserve if applicable)
- 3.22 EXHAUST SYSTEM (to be shown on drawings 4 and 5)
 - 3.22.1 Type and number of silencers
- 3.23 COOLING SYSTEM
 - 3.23.1 Type (air, water, pressurised etc.)
- 3.24 MEASURES TAKEN AGAINST AIR POLLUTION
 - 3.24.1 Petrol engine
 - 3.24.2 Diesel „
- 4. TRANSMISSION SYSTEM (to be shown on drawings 6, 7 and 8)

- 4.1 Type (mechanical, hydraulic etc.)
- 4.2 Weight of clutch
- 4.3 Gearbox (type, location, method of control)
 - 4.3.1 Gearbox options
 - 4.3.2 Weight of gearbox
- 4.4 Transmission from engine to road wheels
 - 4.4.1 Differential lock
 - 4.4.2 Overdrive
- 4.5 GEAR RATIOS (Show options in separate boxes or continue into next box for additional ratios)

	GEARBOX FINAL DRIVE OVERALL	GEARBOX FINAL DRIVE OVERALL
1		
2		
3		
4		
5		
6		
R		
	GEARBOX FINAL DRIVE OVERALL	GEARBOX FINAL DRIVE OVERALL
1		
2		
3		
4		
5		
6		
R		

4.6 VEHICLE ROAD SPEED AT 1000 rpm with Standard tyres (show variants in separate boxes) (o)

GEAR	Speed km/h	Circum- ference of tyre (p)	GEAR	Speed km/h	Circum- ference of tyre	GEAR	Speed km/h	Circum- ference of tyre
1								
2								
3								
4								
5								
6								
R								

4.7 Maximum vehicle speed in highest gear (a 5% tolerance is permitted). To be tested on levelkm/h

4.8 Speedometer

4.9 Tachograph (if fitted) maker and type

5. SUSPENSION (to be shown on drawings 9 and 10)

5.1 FRONT

5.1.1 Make and type (independent etc.)

5.1.2 If solid axle, state material characteristics

5.1.3 Tyres (dimensions, characteristics and pressures)

5.1.4 Characteristics of springing parts (design, characteristics of materials and dimensions)

5.1.5 Wheel type and dimensions

5.1.6 Stabilisers fitted/not fitted

5.1.7 Dampers fitted/not fitted

5.2 INTERMEDIATE(S) (1) (2)

5.2.1 Make and type (independent etc.)

5.2.2 If solid axle state material characteristics

5.2.3 Tyres (dimensions, characteristics and pressures)

5.2.4	Characteristics of springing parts (design, characteristics of materials and dimensions)		
5.2.5	Wheel type and dimensions		
5.2.6	Stabilisers	fitted/not fitted	fitted/not fitted
5.2.7	Dampers	fitted/not fitted	fitted/not fitted
5.3	REAR		
5.3.1	Make and type (independent etc.)		
5.3.2	If solid axle state material characteristics		
5.3.3	Tyres (dimensions, characteristics and pressures)		
5.3.4	Characteristics of springing parts (design, characteristics of materials and dimensions)		
5.3.5	Wheel type and dimensions		
5.3.6	Stabilisers	fitted/not fitted	
5.3.7	Dampers	fitted/not fitted	
6.	STEERING (to be shown on drawing 11)		
6.1	Make and type		
6.2	Type of linkage to wheels		
6.3	Type of power assistance (if applicable)		
6.4	Maximum turning angle of wheels (degrees) in each direction	to left	to right
6.5	Number of turns of steering control in each direction	to left	to right
6.5.1	Force on steering control		
6.6	Minimum turning circle, in each direction (<i>n</i>)		
6.7	Swept path		
7.	BRAKING SYSTEM (to be shown on drawing 12)		
7.1	SERVICE BRAKE		
7.1.1	Description		
7.1.2	Master cylinder type and diameter		

- | | |
|---------------------------------|---|
| 7.1.3 | Outside source of energy if any
(specify type, eg vacuum, servo etc.) |
| 7.1.4 | FRONT |
| 7.1.4.1 | Wheel cylinder number and diameter |
| 7.1.4.2 | Disc/drum dimensions |
| 7.1.4.3 | Friction material (make and type) |
| 7.1.4.4 | Total lining area |
| 7.1.5 | INTERMEDIATE(S) |
| 7.1.5.1 | Wheel cylinder number and diameter |
| 7.1.5.2 | Disc/drum dimensions |
| 7.1.5.3 | Frictional material (make and type) |
| 7.1.5.4 | Total lining area |
| 7.1.6 | REAR |
| 7.1.6.1 | Wheel cylinder number and diameter |
| 7.1.6.2 | Disc/drum dimensions |
| 7.1.6.3 | Frictional material (make and type) |
| 7.1.6.4 | Total lining area |
| 7.2 | SECONDARY BRAKE |
| 7.2.1 | Brief description |
| 7.3 | PARKING BRAKE |
| 7.3.1 | Brief description |
| 7.4 | ADDITIONAL BRAKING SYSTEM (if any) |
| 7.4.1 | Brief description |
| 7.5 | GENERAL |
| 7.5.1 | Thrust and transmission of braking forces
(details of torque reaction arrangements,
ie. road springs, radius rods etc.) |
| 7.5.2 | Calculation of braking systems (attach details, ref. 13) |
| 7.5.3 | Test conditions |
| 7.5.4 | Test results |
| FOR DOE
APPROVAL
USE ONLY | |
| 8. | LIGHTING SYSTEM/ELECTRICAL
(Position and dimensions of lights to be
shown on drawing 2) |

-
- 8.1 Headlights (Main beam)
 - 8.1.1 Headlights (Dipped beam)
 - 8.2 Front position lights
 - 8.2.1 Rear position lights
 - 8.3 Front direction indicators
 - 8.3.1 Rear direction indicators
 - 8.3.2 Side direction indicators
 - 8.4 Brake lights
 - 8.5 Rear registration plate lights
 - 8.6 Red rear reflex reflectors
 - 8.7 Reverse lights
 - 8.8 Parking lights
 - 8.9 Auxiliary lights
 - 8.9.1 Fog lights
 - 8.10 Side Marker lights
 - 8.11 Amber side reflex reflectors
 - 8.12 Hazard warning
 - 8.13 Additional lighting equipment for special vehicles
 - 8.14 Audible warning device (number, make, type and location)
 - 8.15 Generator (type and output and method of control)
 - 8.16 Voltage of system and \pm earth
 - 8.17 Battery (type and capacity)
 - 8.18 FORWARD VISION AIDS
 - 8.18.1 Windscreen wipers (type)
 - 8.18.2 Windscreen washers (type)
 - 8.18.3 Demister (type)
 - 9. MISCELLANEOUS
 - 9.1 Anti-theft device (make and type)
 - 9.2 Sound level

- 9.3 Location of registration plate(s)
- 9.4 Optional equipment
- 9.5 Special provisions for taxis
- 9.6 Special provisions for PSV or goods vehicles
- 9.7 Towing hook
- 9.8 Connections between drawing vehicles and trailers or semi-trailers (description of mechanical and electrical connections)

10. **ELECTRIC TRACTION MOTOR** (if applicable)

- 10.1 Type (series, shunt, etc. winding)
- 10.2 Hourly maximum output and operating voltage
- 10.3 Battery position
- 10.4 Number of cells
- 10.5 Weight
- 10.6 Capacity (according to BSS 2550.71)

10.7 **OTHER POWER UNITS** (if applicable)

Particulars of the operating principles
of such engines or motors

ENCLOSURES TO BE SUBMITTED WITH FORM

- 1. $\frac{3}{4}$ front and $\frac{3}{4}$ rear photograph of whole vehicle
- 2. Dimensional drawing of whole vehicle (following views)
 - (a) Front
 - (b) Side
 - (c) Rear
 - (d) Plan
- 3. Outline sketch of chassis frame
- 4. Exhaust system complete
- 5. Sectional view of each silencer
- 6. Sketch of transmission layout
- 7. Section through gearbox
- 8. Section through final drive arrangement
- 9. Dimensional scheme of each axle
- 10. Sketch of suspension arrangement

11. Schematic layout of steering system including ratios
12. Schematic layout of brake system
13. Calculation of braking systems—determination of the ratio between braking force on pedal and total braking force at circumference of road wheels
14. Field of vision
15. Arrangement and identification of controls
16. Position of safety belt anchorage points
17. Power curve

Signed
Date

NOTES

(a) Classified according to the following international categories (The gross vehicle weight should be used to determine in which category a drawing vehicle is to be shown):

Category M: Motor vehicles having at least four wheels, or having three wheels when the maximum weight exceeds 1 metric ton, and used for the carriage of passengers.

Category M1: Vehicles used for the carriage of passengers and comprising no more than eight seats in addition to the driver's seat.

Category M2: Vehicles used for the carriage of passengers, comprising more than eight seats in addition to the driver's seat, and having a maximum weight not exceeding 5 metric tons.

Category M3: Vehicles used for the carriage of passengers, comprising more than eight seats in addition to the driver's seat, and having a maximum weight exceeding 5 metric tons.

Category N: Motor vehicles having at least four wheels, or having three wheels when the maximum weight exceeds 1 metric ton, and used for the carriage of goods.

Category N1: Vehicles used for the carriage of goods and having a maximum weight not exceeding 3.5 metric tons.

Category N2: Vehicles used for the carriage of goods and having a maximum weight exceeding 3.5 but not exceeding 12 metric tons.

Category N3: Vehicles used for the carriage of goods and having a maximum weight exceeding 12 metric tons.

(b) Where there is one version with a normal cab and another with a couchette cab, both sets of weights and dimensions are to be stated.

(c) ISO Recommendation 612, term No. 11.

(d) ISO Recommendation 612, term No. 16.

(e) ISO Recommendation 612, term No. 15.

(f) ISO Recommendation 612, term No. 3.

(g) ISO Recommendation 612, term No. 2.

(h) ISO Recommendation 612, term No. 21.

(i) ISO Recommendation 612, term No. 22.

(j) ISO Recommendation 612, term No. 8.

(k) ISO Recommendation 612, term No. 36.

(l) ISO Recommendation 612, term No. 38.

(m) The weight of the driver is assessed at 75 kg.

(n) ISO Recommendation 612, term No. 30 (a and c).

(o) A 5% tolerance is permitted.

(p) Use laden rolling radius $\times 2\pi$.

PART II

Form of information document in relation to a trailer to which these Regulations apply or to a component of such a trailer

<p>FOR DOE USE ONLY</p>

TYPE APPROVAL OF A TRAILER

in accordance with EEC Directive 70/156

INFORMATION DOCUMENT NUMBER

If a component has been approved under an EEC Directive its description shall be replaced by the approval number in this document.

If the space is insufficient for an answer please add further pages.

<p>FOR DOE APPROVAL</p>

Notes (a) to (j) are at page 28

- | | |
|---|--|
| <ul style="list-style-type: none"> 0. GENERAL 0.1 Make 0.2 Type and commercial description
(include all variants) 0.3 Class (eg semi-trailer, drawbar trailer, caravan, etc.) 0.4 Category (a) 0.4.1 Manufacturer's vehicle identification code
(if any, explanation of system) 0.5 Name and address of manufacturer 0.6 Name and address of manufacturer's
authorised representative (if address
at 0.5 is outside United Kingdom) 0.7 Location of identification plates and
inscriptions and method of fixing: <ul style="list-style-type: none"> 0.7.1 On the chassis 0.7.2 On the bodywork 0.8 Commencing chassis number 1. GENERAL CONSTRUCTIONAL CHARACTERISTICS
OF THE TRAILER (to be shown on drawings 1 and 2) 1.1 Number of axles and wheels (count twin wheels as one) <ul style="list-style-type: none"> 1.1.1 Number of twin wheels (if applicable) | |
|---|--|

- 1.2 Chassis frame (if any) brief description (to be shown on drawing 3)
- 1.2.1 Material used
- 1.2.2 Yield point
- 1.2.3 Ultimate tensile stress
- 1.2.4 Elongation (%)
- 1.2.5 Brinell hardness
2. WEIGHTS AND DIMENSIONS (Use metric units)
- 2.1 Wheelbase (fully loaded) (*b*)
- 2.1.1 In the case of semi-trailers: distance between the axis of the fifth wheel kingpin and the foremost rear axle
- 2.2 Track of each axle (*c*)
- Front
Rear
Intermediate
- 2.3 Maximum (or overall) trailer dimensions
- | | Chassis without body | | Chassis with body | |
|---|----------------------|-----|-------------------|------------------|
| | Max | Min | With fittings | Without fittings |
| 2.3.1 Length (<i>d</i>) | | | | |
| 2.3.2 Width (<i>e</i>) | | | | |
| 2.3.3 Height (unladen) (<i>f</i>) | | | | |
| 2.3.4 Overhang—front (<i>g</i>) | | | | |
| 2.3.5 Overhang—rear (<i>h</i>) | | | | |
| 2.3.6 Ground clearance (Laden) (<i>i</i>) | | | | |
| 2.3.7 Distance(s) between axles | | | | |
- 2.4 Weight of the bare chassis (without spare wheel, tools)
- 2.4.1 Distribution of this weight
- on front axle
,, rear axle
,, intermediate axle
- 2.5 Weight of trailer with bodywork in running order or weight of the chassis if the manufacturer does not fit the bodywork (including tools, spare wheel)

2.5.1	Distribution of this weight	on front axle „ rear axle „ intermediate axle „ kingpin
2.6	Maximum allowable gross vehicle weight permitted by maker	
2.6.1	Distribution of this weight	on front axle „ rear axle „ intermediate axle „ kingpin
2.7	Maximum allowable weight on each axle permitted by maker	on front axle „ rear axle „ intermediate axle „ kingpin
2.8	Maximum vertical hitch load	
2.9		Permissible maximum laden weight
2.9.1	FOR	Distribution of this weight on front axle „ rear axle „ intermediate axle „ kingpin
	DOE	
2.10	APPROVAL	Permissible maximum weight on each axle on front axle „ rear axle „ intermediate axle
3.	AXLES (to be shown on drawing 4)	
4.	SUSPENSION (to be shown on drawing 5)	
4.1	FRONT	
4.1.1	Make and type (independent etc.)	
4.1.2	If solid axle, state material and characteristics	
4.1.3	Tyres (dimensions, characteristics and pressures)	
4.1.4	Characteristics of springing parts (design, characteristics of materials and dimensions)	
4.1.5	Wheel type and dimensions	
4.1.6	Stabilisers	fitted/not fitted

4.1.7	Dampers	fitted/not fitted
4.2	INTERMEDIATE	
4.2.1	Make and type (independent etc.)	
4.2.2	If solid axle, state material and characteristics	
4.2.3	Tyres (dimensions, characteristics and pressures)	
4.2.4	Characteristics of springing parts (design, characteristics of materials and dimensions)	
4.2.5	Wheel type and dimensions	
4.2.6	Stabilisers	fitted/not fitted
4.2.7	Dampers	fitted/not fitted
4.3	REAR	
4.3.1	Make and type (independent etc.)	
4.3.2	If solid axle, state material and characteristics	
4.3.3	Tyres (dimensions, characteristics and pressures)	
4.3.4	Characteristics of springing parts (design, characteristics of materials and dimensions)	
4.3.5	Wheel type and dimensions	
4.3.6	Stabilisers	fitted/not fitted
4.3.7	Dampers	fitted/not fitted
5.	STEERING (to be shown on drawing 6, if applicable)	
5.1	Make and type	
5.2	Type of linkage to wheels	
5.3	Type of power assistance (if applicable)	
5.4	Maximum turning angle of wheels to left to right (degrees) in each direction	
5.5.	Minimum turning circle in each direction (<i>j</i>)	
5.6	Swept path	
6.	BRAKING SYSTEM (to be shown on drawing 7)	
6.1	SERVICE BRAKE	
6.1.1	Description	

- 6.1.2 Outside sources of energy if any
(specify type, eg vacuum, servo, etc.)
- 6.1.3 FRONT
 - 6.1.3.1 Wheel cylinder, number and diameter
 - 6.1.3.2 Disc/drum dimensions
 - 6.1.3.3 Friction material (make and type)
 - 6.1.3.4 Total lining area
- 6.1.4 INTERMEDIATE
 - 6.1.4.1 Wheel cylinder, number and diameter
 - 6.1.4.2 Disc/drum dimensions
 - 6.1.4.3 Friction material (make and type)
 - 6.1.4.4 Total lining area
- 6.1.5 REAR
 - 6.1.5.1 Wheel cylinder, number and diameter
 - 6.1.5.2 Disc/drum dimensions
 - 6.1.5.3 Friction material (make and type)
 - 6.1.5.4 Total lining area
- 6.2 SECONDARY BRAKE
 - 6.2.1 Brief description
- 6.3 PARKING BRAKE
 - 6.3.1 Brief description
- 6.4 ADDITIONAL BRAKING SYSTEM (if any)
 - 6.4.1. Brief description
- 6.5 AUTOMATIC BRAKING SYSTEM (which functions
in the event of coupling breakage)
 - 6.5.1 Brief description
- 6.6 GENERAL
 - 6.6.1 Thrust and transmission of braking forces
(details of torque reaction arrangements
i.e. road springs, radius rods, etc.)
 - 6.6.2 Calculation of braking systems
(attach details, ref. 8)

6.6.3	FOR DOE APPROVAL	Test conditions
6.6.4	Test results
7.	BODYWORK (to be shown on drawings 1 and 2)	
7.1	Type of bodywork (material used and construction method)	
7.2	Number and position of doors (direction of opening, latches and hinges)	
7.3	Rear protective devices	
8.	LIGHTING SYSTEM/ELECTRICAL (Position and dimensions of lights to be shown on drawing 2)	
8.1	Front position lights (if fitted)	
8.2	Rear position lights	
8.3	Direction indicators	
8.4	Brake lights	
8.5	Rear registration plate lights	
8.6	Red rear reflex reflectors	
8.7	Front reflex reflectors	
8.8	Parking lights	
8.9	Reversing lights	
8.10	Side marker lights	
8.11	Amber side reflex reflectors	
8.12	Additional lighting equipment for special vehicles	
8.13	Hazard warning lights	
9.	MISCELLANEOUS	
9.1	Location of registration plate(s)	
9.2	Towing hook	
9.3	Trailer legs	
9.4	Connections between drawing vehicles and trailers or semi-trailers (description of mechanical and electrical connections)	
9.5	Details of linkages, couplings, safety devices	
9.6	Optional equipment	

ENCLOSURES TO BE SUBMITTED WITH FORM

1. $\frac{3}{4}$ front and $\frac{3}{4}$ rear photographs of the whole trailer.
2. Dimensional sketch of the whole trailer (following views).
 - (a) Front
 - (b) Side
 - (c) Rear
 - (d) Plan
3. Outline sketch of chassis frame.
4. Dimensional sketch of each axle.
5. Sketch of suspension arrangement.
6. Schematic layout of steering system (if applicable).
7. Schematic layout of braking system(s).
8. Calculations of braking system(s)—determination of the ratios between the braking force on pedal and total braking force at circumference of road wheels.

Signed.....
 Dated

NOTES

- (a) Classified according to the following international categories:—
- CATEGORY O—Trailers (including semi-trailers).
- CATEGORY O1—Trailers with a maximum weight not exceeding 0.75 metric ton.
- CATEGORY O2—Trailers with a maximum weight exceeding 0.75 metric ton but not exceeding 3.5 metric tons.
- CATEGORY O3—Trailers with a maximum weight exceeding 3.5 but not exceeding 10 metric tons.
- CATEGORY O4—Trailers with a maximum weight exceeding 10 metric tons.
- (b) ISO Recommendation 612, Term No. 3.
- (c) ISO Recommendation 612, Term No. 2.
- (d) ISO Recommendation 612, Term No. 11.
- (e) ISO Recommendation 612, Term No. 15.
- (f) ISO Recommendation 612, Term No. 16.
- (g) ISO Recommendation 612, Term No. 21.
- (h) ISO Recommendation 612, Term No. 22.
- (i) ISO Recommendation 612, Term No. 8.
- (j) ISO Recommendation 612, Term No. 30 (a and c).

SCHEDULE 2

(See Regulation 3(1))

The Council Directives with respect to the design, construction, equipment, and marking of vehicles or their components.

Community Reference Number	Date of Directive	Subject Matter	Official Journal Reference
(1)	(2)	(3)	(4)
70/157/EEC	6th February 1970	The permissible sound level and the exhaust system of motor vehicles.	O.J. L42, 23.2. 1970, p. 16 (S.E. 1970(I), p. 111)
70/220/EEC	20th March 1970	Measures to be taken against air pollution by gases from positive ignition engines of motor vehicles.	O.J. L76, 6.4. 1970, p. 25 (S.E. 1970(I), p. 171)
70/221/EEC	20th March 1970	Liquid fuel tanks and rear protective devices for motor vehicles and their trailers.	O.J. L76, 6.4. 1970, p.23 (S.E. 1970(I), p. 192)
70/222/EEC	20th March 1970	The mounting and fixing of rear registration plates and motor vehicles and their trailers.	O.J. L76, 6.4.1970, p. 25 (S.E. 1970(I), p. 194)
70/311/EEC	8th June 1970	The steering equipment for motor vehicles and their trailers.	O.J. L133, 18.6. 1970, p. 10 (S.E. 1970(II), p. 375).
70/387/EEC	27th July 1970	The doors of motor vehicles and their trailers.	O.J. L176, 10.8. 1970, p.5 (S.E. 1970(II), p. 564)
70/388/EEC	27th July 1970	Audible warning devices for motor vehicles.	O.J. L176, 10.8.1970, p. 12 (S.E. 1970(II), p. 571)
71/127/EEC	1st March 1971	The rear-view mirrors of motor vehicles.	O.J. L68, 22.3.1971, p.1 (S.E. 1971(I), p. 136)
71/320/EEC	26th July 1971	The braking devices of certain categories of motor vehicles and their trailers.	O.J. L202, 6.9. 1971, p. 37 (S.E. 1971(III) p. 746)
72/245/EEC	20th June 1972	The suppression of radio interference produced by spark-ignition engines fitted to motor vehicles.	O.J. L152. 6.7.1972, p.15 (S.E. 1972(II), p. 637)

EXPLANATORY NOTE

(This Note is not part of the Regulations.)

These Regulations make provision, as required by virtue of a Directive of the European Economic Community (Council Directive No. 70/156/EEC of 6th February 1970), for the type approval of certain motor vehicles and trailers and their components. The vehicles in question are those which are manufactured on or after 10th August 1973, being vehicles of the description specified in Regulation 2 of these Regulations.

Part II of the Regulations deals with the procedure for obtaining such type approval and with other related matters. Regulation 4 provides for applications for type approval to be made to the Secretary of State by the manufacturer of the vehicle or vehicle component in question. Under Regulation 5, where the Secretary of State is satisfied that the vehicle or vehicle component is of a type which conforms with the requirements as to design, construction, equipment and marking which are applicable thereto by virtue of the Council Directives specified in Schedule 2 to the Regulations, he is required to approve the vehicle as a type vehicle or, as the case may be, a type vehicle component, and to issue a type approval certificate in respect of it. Regulation 6 provides for the issue by the manufacturer of a type vehicle of a certificate of conformity in respect of each vehicle manufactured by him which conforms to the type vehicle in the relevant aspects of design, construction, equipment and marking.

Regulation 7 provides for the conditions subject to which type approval certificates may be issued, and for the cancellation or suspension of such certificates for breach of condition. Regulations 8 and 9 provide for notice to be given by manufacturers who cease to manufacture type vehicles or type vehicle components, or who make alterations in their manufacture or in any of the relevant aspects of design, construction, equipment or marking, and for the cancellation, suspension or modification of type approval certificates in consequence thereof. Regulation 10 provides for the cancellation or suspension of type approval certificates where vehicle or vehicle components are manufactured otherwise than in conformity with the relevant requirements. Regulation 11 provides for the suspension of type approval certificates where vehicles having a certificate of conformity are altered. Regulation 12 requires the Secretary of State to give due notice of his decisions to cancel, suspend or modify type approval certificates; and Regulation 13 provides for a right of appeal to the Secretary of State against any decision given by him with respect to such certificates.

Part III of the Regulations makes supplementary provisions in this connection. Regulation 14 authorises the Secretary of State to provide testing stations and Regulation 15 requires manufacturers to keep records relating to certificates of conformity issued by them.

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