VERŻJONI ELETTRONIKA

Suppliment tal-Gazzetta tal-Gvern ta' Malta Nru. 19,003, 14 ta' Diċembru, 2012
Taqsima B

L.N. 447 of 2012

PRODUCT SAFETY ACT (CAP. 427)

EC Type-Approval of Motor Vehicles and their Trailers (Amendment) Regulations, 2012

IN exercise of the powers conferred by articles 38 to 40 of the Product Safety Act, the Minister for Fair Competition and Consumers on the advice of the Malta Competition and Consumer Affairs Authority, has made the following regulations:-

1. The title of these regulations is the EC Type-Approval of Motor Vehicles and their Trailers Regulations, 2012. Citation.

1. The title of these regulations is the EC Type Approval of Motor Vehicles and their Trailers (Amendment) Regulations, 2012, and they shall be read and construed as one with the EC Type Approval of Motor Vehicles and their Trailers Regulations, hereinafter referred to as "the principal regulations". Citation.

S.L. 427.23

2. These regulations implement the requirements set by: Scope and Commencement.

(1) Commission Regulation (EU) No 1003/2010 of 8 November 2010 concerning type-approval requirements for the space for mounting and the fixing of rear registration plates on motor vehicles and their trailers and implementing Regulation (EC) No 661/2009 of the European Parliament and of the Council concerning type-approval requirements for the general safety of motor vehicle, their trailers and systems, components and separate technical units intended therefore. This Regulation amends Schedule to the principal regulations shall be deemed to have entered into force on 29 November 2010.

(2) Commission Regulation (EU) No 1005/2010 of 8 November 2010 concerning type-approval requirements for motor vehicles towing devices and implementing Regulation (EC) No 661/2009 of the European Parliament and of the Council concerning type-approval requirements for the general safety of motor vehicles, their trailers and systems, components and separate technical units intended therefor. This Regulation amends Schedule XXI to the principal regulations and shall be deemed to have entered into force on 29 November 2010.

(3) Commission Regulation (EU) No. 1008/2010 of 9 November 2010 concerning type-approval requirements for windscreen wiper and washer systems of certain motor vehicles

and implementing Regulation (EC) No 661/2009 of the European Parliament and of the Council concerning type-approval requirements for the general safety of motor vehicles, their trailers and systems, components and separate technical units intended therefor. This Regulation amends Schedule XXI to the principal regulations and shall be deemed to have entered into force on 30 November 2010.

(4) Commission Regulation (EU) No. 1009/2010 of 9 November 2010 concerning type-approval requirements for wheel guards of certain motor vehicles and implementing Regulation (EC) No 661/2009 of the European Parliament and of the Council concerning type-approval requirements for the general safety of motor vehicles, their trailers and systems, components and separate technical units intended therefor. This Regulation amends Schedule XXI to the principal regulations and shall be deemed to have entered into force on 30 November 2010.

(5) Commission Regulation (EU) No 19/2011 of 11 January 2011 concerning type-approval requirements for the manufacturer's statutory plate and for the vehicle identification number of motor vehicles and their trailers and implementing Regulation (EC) No 661/2009 of the European Parliament and of the Council concerning type-approval requirements for the general safety of motor vehicles, their trailers and systems, components and separate technical units intended therefore. This Regulation amends Schedule XXI to the principal regulations and shall be deemed to have entered into force on 1 February 2011.

(6) Commission Regulation (EU) No 109/2011 of 27 January 2011 implementing Regulation (EC) No 661/2009 of the European Parliament and of the Council as regards type-approval requirements for certain categories of motor vehicles and their trailers as regards spray suppression systems. This Regulation amends Schedule XXI to the principal regulations and shall be deemed to have entered into force on 1 March 2011.

(7) Commission Regulation (EU) No 183/2011 of 22 February 2011 amending Annexes IV and VI to Directive 2007/46/EC of the European Parliament and of the Council establishing a framework for the approval of motor vehicles and their trailers and of systems, components and separate technical units intended for such vehicles. Commission Regulation (EU) No.672/2010 shall enter into force 26 February 2012. This

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Regulation amends Schedules IV, VI, XXI, and XXII to the principal regulations.

(8) Commission Regulation (EU) No 407/2011 of 27 April 2011 amending Regulation (EC) No 661/2009 of the European Parliament and of the Council as regards the inclusion of certain Regulations of the United Nations Economic Commission for Europe on the type-approval of motor vehicles, their trailers and systems, components and separate technical units intended therefore. This Regulation amends Schedule XXI to the principal regulations and shall be deemed to have entered into force on 2 April 2011.

(9) Commission Regulation (EU) No 458/2011 of 12 May 2011 concerning type-approval requirements for motor vehicles and their trailers with regard to the installation of their tyres and implementing Regulation (EC) No 661/2009 of the European Parliament and of the Council concerning type-approval requirements for the general safety of motor vehicles, their trailers and systems, components and separate technical units intended therefore. This Regulation amends Schedule XXI to the principal regulations and shall be deemed to have entered into force on 2 June 2011.

(10) Commission Regulation (EU) No 459/2011 of 12 May amending the Annex to Regulation (EC) No 631/2009 laying down detailed rules for the implementation of Annex I to Regulation (EC) No 78/2009 of the European Parliament and of the Council on the type-approval of motor vehicles with regard to the protection of pedestrians and other vulnerable road users. This Regulation amends Schedule XXI to the principal regulations and shall be deemed to have entered into force on 2 June 2011.

(11) Commission Regulation (EU) No 582/2011 of 25 May 2011 implementing and amending Regulation (EC) No 595/2009 of the European Parliament and of the Council with respect to emissions from heavy duty vehicles (Euro VI) and amending Annexes I and III to Directive 2007/46/EC of the European Parliament and of the Council. This Regulation amends Schedules I, III, XXI and XXII to the principal regulations and shall be deemed to have entered into force on 15 July 2011.

(12) Commission Regulation (EU) No 566/2011 of 8 June 2011 amending Regulation (EC) No 715/2007 of the European Parliament and of the Council and Commission

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Regulation (EC) No 692/2008 as regards access to vehicle repair and maintenance information. This Regulation amends Schedule XXI to the principal regulations and shall be deemed to have entered into force on 19 June 2011.

(13) Commission Regulation (EU) No 678/2011 of 14 July 2011 replacing Annex II and amending Annexes IV, IX and XI to Directive 2007/46/EC of the European Parliament and of the Council establishing a framework for the approval of motor vehicles and their trailers, and of systems, components and separate technical units intended for such vehicles. This Regulation amends Schedules II, IV, IX, XI, XXII to the principal regulations and shall be deemed to have entered into force on 15 July 2011.

Substitutes Schedule I to the principal regulations.

3. Schedule I to the principal regulations shall be substituted the following:

SCHEDULE I

[Regulations 3, 6(3) and (4)]

Complete list of information for the purpose of EC type-approval of vehicles

All information documents in these regulations and in separate EU directives or regulations must consist only of extracts from, and adhere to the item numbering system of, this total list.

The following information, if applicable, must be supplied in triplicate and include a list of contents. Any drawings must be supplied in appropriate scale and in sufficient detail on size A4 or on a folder of A4 format. Photographs, if any, must show sufficient detail.

If the systems, components or separate technical units have electronic controls, information concerning their performance must be supplied.

(For explanatory notes, please refer to last page of this Schedule)

0. GENERAL

0.1. Make (trade name of manufacturer):

0.2. Type:

0.2.0.1. Chassis:

0.2.0.2. Bodywork/complete vehicle:

0.2.1. Commercial name(s) (if available):

0.3. Means of identification of type, if marked on the vehicle/component/ separate technical unit ([b]) ([1]):

0.3.0.1. Chassis:

0.3.0.2. Bodywork/complete vehicle:

0.3.1. Location of that marking:

0.3.1.1. Chassis:

0.3.1.2. Bodywork/complete vehicle:

0.4. Category of vehicle ([c]):

0.4.1. Classification(s) according to the dangerous goods which the vehicle is intended to transport:

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0.5. Name and address of manufacturer:

0.6. Location and method of attachment of statutory plates and location of vehicle identification number

0.6.1. On the chassis:

0.6.2. On the bodywork:

0.7. In the case of components and separate technical units, location and method of affixing of the EC approval mark:

0.8. Name(s) and address(es) of assembly plant(s):

0.9. Name and address of the manufacturer's representative (if any):

1. GENERAL CONSTRUCTION CHARACTERISTICS OF THE VEHICLE

1.1. Photographs and/or drawings of a representative vehicle:

1.2. Dimensional drawing of the whole vehicle:

1.3. Number of axles and wheels:

1.3.1. Number and position of axles with double wheels:

1.3.2. Number and position of steered axles:

1.3.2. Powered axles (number, position, interconnection):

1.4. Chassis (if any) (overall drawing):

1.5. Material used for the side-members ([d]):

1.6. Position and arrangement of the engine:

1.7. Driving cab (forward control or bonneted) ([z]):

1.8. Hand of drive: left/right ([1]).

1.8.1. Vehicle is equipped to be driven in right/left ([1]) hand traffic.

1.9. Specify if the motor vehicle is intended to tow semi-trailers or other trailers and, if the trailer is a semi-, drawbar or centre-axle trailer, specify vehicles specially designed for the controlled-temperature carriage of goods:

2. MASSES AND DIMENSIONS ([e]) (in kg and mm) (Refer to drawing where applicable)

2.1. Wheel base(s) (fully loaded) ([f]):

2.1.1. In the case of semi-trailers

2.1.1.1. Distance between the axis of the fifth wheel kingpin and the rearmost end of the semi-trailer:

2.1.1.2. Maximum distance between the axis of the fifth wheel kingpin and any point on the front of the semi-trailer:

2.1.1.3. Semi-trailer special wheelbase (as defined in Section 7.6.1.2 of Annex I to Directive 97/27/EC):

2.2. In the case of semi-trailer towing vehicles

2.2.1. Fifth wheel lead (maximum and minimum; indicate the permissible values in the case of an incomplete vehicle) ([g]):

2.2.2. Maximum height of the fifth wheel (standardised) ([h]):

2.3. Axle track(s) and width(s):

2.3.1. Track of each steered axle ([i]):

2.3.2. Track of all other axles ([i]):

2.3.3. Width of the widest rear axle:

2.3.4. Width of the foremost axle (measured at the outermost part of the tyres excluding the bulging of the tyres close to the ground):

2.4. Range of vehicle dimensions (overall)

2.4.1. For chassis without bodywork

2.4.1.1. Length ([j]):

2.4.1.1.1. Maximum permissible length:

2.4.1.1.2. Minimum permissible length:

2.4.1.2. Width ([k]):

2.4.1.2.1. Maximum permissible width:

2.4.1.2.2. Minimum permissible width:

2.4.1.3. Height (in running order) ([l]) (for suspensions adjustable for height, indicate normal running position):

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2.4.1.4. Front overhang ([m]):

2.4.1.4.1. Approach angle ([na]): ..... degrees.

2.4.1.5. Rear overhang ([n]):

2.4.1.5.1. Departure angle ([nb]): ..... degrees.

2.4.1.5.2. Minimum and maximum permissible overhang of the coupling point ([nd]):

2.4.1.6. Ground clearance (as defined in point 4.5 of Section A of Schedule II)

2.4.1.6.1. Between the axles:

2.4.1.6.2. Under the front axle(s):

2.4.1.6.3. Under the rear axle(s):

2.4.1.7. Ramp angle ([nc]): ..... degrees.

2.4.1.8. Extreme permissible positions of the centre of gravity of the body and/ or interior fittings and/or equipment and/or payload:

2.4.2. For chassis with bodywork

2.4.2.1. Length ([j]):

2.4.2.1.1. Length of the loading area:

2.4.2.2. Width ([k]):

2.4.2.2.1. Thickness of the walls (in the case of vehicles designed for controlled-temperature carriage of goods):

2.4.2.3. Height (in running order) ([l]) (for suspensions adjustable for height, indicate normal running position):

2.4.2.4. Front overhang ([m]):

2.4.2.4.1. Approach angle ([na]): ..... degrees.

2.4.2.5. Rear overhang ([n]):

2.4.2.5.1. Departure angle ([nb]): ..... degrees.

2.4.2.5.2. Minimum and maximum permissible overhang of the coupling point ([nd]):

2.4.2.6. Ground clearance (as defined in point 4,5 of Section A of Schedule II)

2.4.2.6.1. Between the axles:

2.4.2.6.2. Under the front axle(s):

2.4.2.6.3. Under the rear axle(s):

2.4.2.7. Ramp angle ([nc]): ..... degrees.

2.4.2.8. Extreme permissible positions of the centre of gravity of the payload (in the case of non-uniform load):

2.4.2.9. Position of centre of gravity of the vehicle (M_2 and M_3) at its technically permissible maximum laden mass in the longitudinal, transverse and vertical directions:

2.4.3. For bodywork approved without chassis (vehicles M_2 and M_3)

2.4.3.1. Length ([j]):

2.4.3.2. Width ([k]):

2.4.3.3. Nominal height (in running order) ([l]) on intended chassis type(s) (for suspensions adjustable for height, indicate normal running position):

2.5. Mass of the bare chassis (without cab, coolant, oils, fuel, spare wheel, tools and driver):

2.5.1. Distribution of this mass among the axles:

2.6. Mass of the vehicle with bodywork and, in the case of a towing vehicle of category other than M_1, with coupling device, if fitted by the manufacturer, in running order, or mass of the chassis or chassis with cab, without bodywork and/or coupling device if the manufacturer does not fit the bodywork and/or coupling device (including liquids, tools, spare wheel, if fitted, and driver and, for buses and coaches, a crew member if there is a crew seat in the vehicle) ([o]) (maximum and minimum for each variant):

2.6.1. Distribution of this mass among the axles and, in the case of a semi-trailer or centre-axle trailer, load on the coupling point (maximum and minimum for each variant):

2.7. Minimum mass of the completed vehicle as stated by the manufacturer, in the case of an incomplete vehicle:

2.7.1. Distribution of this mass among the axles and, in the case of a semi-

trailer or centre-axle trailer, load on the coupling point:

2.8. Technically permissible maximum laden mass stated by the manufacturer ([y]) ([*]):

2.8.1. Distribution of this mass among the axles and, in the case of a semi-trailer or centre-axle trailer, load on the coupling point ([*]):

2.9. Technically permissible maximum mass on each axle:

2.10. Technically permissible maximum mass on each axle group:

2.11. Technically permissible maximum towable mass of the motor vehicle in case of

2.11.1. Drawbar trailer:

2.11.2. Semi-trailer:

2.11.3. Centre-axle trailer:

2.11.3.1. Maximum ratio of the coupling overhang ([p]) to the wheel base:

2.11.3.2. Maximum V-value: ..... kN.

2.11.4. Technically permissible maximum mass of the combination ([*]):

2.11.5. Vehicle is/is not ([1]) suitable for towing loads (item 1.2 of Annex II to Directive 77/389/EEC).

2.11.6. Maximum mass of unbraked trailer:

2.12. Technically permissible maximum static vertical load/mass on the vehicle's coupling point

2.12.1. Of the motor vehicle:

2.12.2. Of the semi-trailer or centre-axle trailer:

2.12.3. Maximum permissible mass of the coupling device (if not fitted by the manufacturer):

2.13. Swept path:

2.14. Engine power/maximum mass ratio: ..... kW/kg.

2.14.1. Engine power/technically permissible maximum laden mass of the combination ratio (as defined in Section 7, 10 of Annex I to Directive 97/27/EC): ..... kW/kg.

2.15. Hill-starting ability (solo vehicle) ([+++]): ..... %.

2.16. Intended registration/in service maximum permissible masses (optional: where these values are given, they shall be verified in accordance with the requirements of Annex IV to Directive 97/27/EC):

2.16.1. Intended registration/in service maximum permissible laden mass (several entries possible for each technical configuration ([#])):

2.16.2. Intended registration/in service maximum permissible mass on each axle and, in the case of a semi-trailer or centre-axle trailer, intended load on the coupling point stated by the manufacturer if lower than the technically permissible maximum mass on the coupling point (several entries possible for each technical configuration ([#])):

2.16.3. Intended registration/in service maximum permissible mass on each axle group (several entries possible for each technical configuration ([#])):

2.16.4. Intended registration/in service maximum permissible towable mass (several entries possible for each technical configuration ([#])):

2.16.5. Intended registration/in service maximum permissible mass of the combination (several entries possible for each technical configuration ([#])):

3. POWER PLANT ([q]) (In the case of a vehicle that can run either on petrol, diesel, etc., or also in combination with another fuel, items shall be repeated ([+]))

3.1. Manufacturer:

3.1.1. Manufacturer's engine code as marked on the engine:

3.2. Internal combustion engine

3.2.1. Specific engine information

3.2.1.1. Working principle: positive ignition/compression ignition, four stroke/ two stroke ([1])

3.2.1.2. Number and arrangement of cylinders:

3.2.1.2.1. Bore ([r]): ..... mm

3.2.1.2.2. Stroke ([r]): ..... mm

3.2.1.2.3. Firing order:

3.2.1.3. Engine capacity([s]): ..... cm^3

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3.2.1.4. Volumetric compression ratio ([2]):

3.2.1.5. Drawings of combustion chamber, piston crown and, in the case of positive ignition engines, piston rings:

3.2.1.6. Normal engine idling speed ([2]): … min^{-1}

3.2.1.6.1. High engine idling speed ([2]): … min^{-1}

3.2.1.7. Carbon monoxide content by volume in the exhaust gas with the engine idling ([2]): ..... % as stated by the manufacturer (positive ignition engines only)

3.2.1.8. Maximum net power ([t]): ..... kW at ..... min^{-1} (manufacturer's declared value)

3.2.1.9. Maximum permitted engine speed as prescribed by the manufacturer: ..... min^{-1}

3.2.1.10. Maximum net torque ([t]): ..... Nm at ..... min^{-1} (manufacturer's declared value)

3.2.2. Fuel: Diesel oil/Petrol/LPG/NG/Ethanol ([1]) .....

3.2.2.1. RON, leaded:

3.2.2.2. RON, unleaded:

3.2.2.3. Fuel tank inlet: restricted orifice/label ([1])

3.2.3. Fuel tank(s)

3.2.3.1. Service fuel tank(s)

3.2.3.1.1. Number, capacity, material:

3.2.3.1.2. Drawing and technical description of the tank(s) with all connections and all lines of the breathing and venting system, locks, valves, fastening devices:

3.2.3.1.3. Drawing clearly showing the position of the tank(s) in the vehicle:

3.2.3.2. Reserve fuel tank(s)

3.2.3.2.1. Number, capacity, material:

3.2.3.2.2. Drawing and technical description of the tank(s) with all connections and all lines of the breathing and venting system, locks, valves, fastening devices:

3.2.3.2.3. Drawing clearly showing the position of the tank(s) in the vehicle:

3.2.4. Fuel feed

3.2.4.1. By carburettor(s): yes/no ([1])

3.2.4.1.1. Make(s):

3.2.4.1.2. Type(s):

3.2.4.1.3. Number fitted:

3.2.4.1.4. Adjustments ([2])

3.2.4.1.4.1. Jets: .....
3.2.4.1.4.2. Venturis: .....
3.2.4.1.4.3. Float-chamber level: .....
3.2.4.1.4.4. Mass of float: .....
3.2.4.1.4.5. Float needle: .....

} Or the curve of fuel delivery plotted against the air flow and settings required to keep to the curve

3.2.4.1.5. Cold start system: manual/automatic ([1])

3.2.4.1.5.1. Operating principle(s):

3.2.4.1.5.2. Operating limits/settings ([1]) ([2])

3.2.4.2. By fuel injection (compression ignition only): yes/no ([1])

3.2.4.2.1. System description:

3.2.4.2.2. Working principle: direct injection/pre-chamber/swirl chamber ([1])

3.2.4.2.3. Injection pump

3.2.4.2.3.1. Make(s):

3.2.4.2.3.2. Type(s):

3.2.4.2.3.3. Maximum fuel delivery ([1]) ([2]): ..... mm^3/stroke or cycle at a pump speed of: ..... min^{-1} or, alternatively, a characteristic diagram:

3.2.4.2.3.4. Injection timing ([2]):

3.2.4.2.3.5. Injection advance curve ([2]):

3.2.4.2.3.6. Calibration procedure: test bench/engine ([1])

3.2.4.2.4. Governor

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3.2.4.2.4.1. Type:

3.2.4.2.4.2. Cut-off point

3.2.4.2.4.2.1. Cut-off point under load: ..... min^{-1}

3.2.4.2.4.2.2. Cut-off point without load: ..... min^{-1}

3.2.4.2.5. Injection piping

3.2.4.2.5.1. Length: ..... mm

3.2.4.2.5.2. Internal diameter: ..... mm

3.2.4.2.6. Injector(s)

3.2.4.2.6.1. Make(s):

3.2.4.2.6.2. Type(s):

3.2.4.2.6.3. Opening pressure ([2]): ..... kPa or characteristic diagram ([2]):

3.2.4.2.7. Cold start system

3.2.4.2.7.1 Make(s):

3.2.4.2.7.2 Type(s):

3.2.4.2.7.3. Description:

3.2.4.2.8. Auxiliary starting aid

3.2.4.2.8.1. Make(s):

3.2.4.2.8.2. Type(s):

3.2.4.2.8.3. System description:

3.2.4.2.9. Electronic control unit

3.2.4.2.9.1. Make(s):

3.2.4.2.9.2. Description of the system:

3.2.4.3. By fuel injection (positive ignition only): yes/no ([1])

3.2.4.3.1. Working principle: intake manifold (single-/multi-point ([1]))/direct injection/other (specify) ([1])

3.2.4.3.2. Make(s):

3.2.4.3.3. Type(s):

3.2.4.3.4. System description

3.2.4.3.4.1. Type or number of the control unit: .....
3.2.4.3.4.2. Type of fuel regulator: .....
3.2.4.3.4.3. Type of air-flow sensor: .....
3.2.4.3.4.4. Type of fuel distributor: .....
3.2.4.3.4.5. Type of pressure regulator: .....
3.2.4.3.4.6. Type of micro switch: .....
3.2.4.3.4.7. Type of idling adjustment screw: .....
3.2.4.3.4.8. Type of throttle housing: .....
3.2.4.3.4.9. Type of water temperature sensor: .....

} In the case of systems other than continuous injection give equivalent details

3.2.4.3.4.10. Type of air temperature sensor: .....

3.2.4.3.4.11. Type of air temperature switch: .....

3.2.4.3.5. Injectors: opening pressure ([2]): ..... kPa or characteristic diagram:

3.2.4.3.6. Injection timing:

3.2.4.3.7. Cold start system

3.2.4.3.7.1 Operating principle(s)

3.2.4.3.7.2 Operating limits/settings:

3.2.4.4. Feed pump

3.2.4.4.1. Pressure: .... kPa or characteristic diagram:

3.2.5. Electrical system

3.2.5.1. Rated voltage: ..... V, positive/negative ground

3.2.5.2. Generator

3.2.5.2.1. Type:

3.2.5.2.2. Nominal output: ..... VA

3.2.6. Ignition

3.2.6.1. Make(s):

3.2.6.2. Type(s):

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3.2.6.3. Working principle:

3.2.6.4. Ignition advance curve:

3.2.6.5. Static ignition timing: ..... degrees before TDC

3.2.6.6. Contact-point gap: ..... mm

3.2.6.7. Dwell-angle: ..... degrees

3.2.7. Cooling system: liquid/air

3.2.7.1. Nominal setting of the engine temperature control mechanism

3.2.7.2. Liquid

3.2.7.2.1. Nature of liquid:

3.2.7.2.2. Circulating pump(s): yes/no

3.2.7.2.3. Characteristics: or

3.2.7.2.3.1. Make(s):

3.2.7.2.3.2. Type(s):

3.2.7.2.4. Drive ratio(s):

3.2.7.2.5. Description of the fan and its drive mechanism:

3.2.7.3. Air

3.2.7.3.1. Blower: yes/no

3.2.7.3.2. Characteristics: or

3.2.7.3.2.1. Make(s):

3.2.7.3.2.2. Type(s):

3.2.7.3.3. Drive ratio(s):

3.2.8. Intake system

3.2.8.1. Pressure charger: yes/no ([1])

3.2.8.1.1. Make(s):

3.2.8.1.2. Type(s):

3.2.8.1.3. Description of the system (e.g. maximum charge pressure: ... kPa; wastegate if applicable):

3.2.8.2. Intercooler: yes/no ([1])

3.2.8.3. Intake depression at rated engine speed and at 100% load
minimum allowable: ..... kPa

maximum allowable: ..... kPa

3.2.8.4. Description and drawings of inlet pipes and their accessories (plenum chamber, heating device, additional air intakes, etc.):

3.2.8.4.1. Intake manifold description (include drawings and/or photos):

3.2.8.4.2. Air filter, drawings: or

3.2.8.4.2.1. Make(s):

3.2.8.4.2.2. Type(s):

3.2.8.4.3. Intake silencer, drawings: or

3.2.8.4.3.1. Make(s):

3.2.8.4.3.2. Type(s):

3.2.9. Exhaust system

3.2.9.1. Description and/or drawing of the exhaust manifold:

3.2.9.2. Description and/or drawing of the exhaust system:

3.2.9.3. Maximum allowable exhaust back pressure at rated engine speed and at 100 % load: ..... kPa

3.2.9.4. Exhaust silencer(s): For front, centre, rear silencer: construction, type, marking; where relevant for exterior noise: reducing measures in the engine compartment and on the engine:

3.2.9.5. Location of the exhaust outlet:

3.2.9.6. Exhaust silencer containing fibrous materials:

3.2.10. Minimum cross-sectional areas of inlet and outlet ports:

3.2.11. Valve timing or equivalent data

3.2.11.1. Maximum lift of valves, angles of opening and closing, or timing details

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of alternative distribution systems, in relation to dead centres:

3.2.11.2. Reference and/or setting ranges ([1]):

3.2.12. Measures taken against air pollution

3.2.12..1. Device for recycling crankcase gases (description and drawings):

3.2.12.2. Additional anti-pollution devices (if any, and if not covered by another heading)

3.2.12.2.1. Catalytic converter: yes/no ([1])

3.2.12.2.1.1. Number of catalytic converters and elements:

3.2.12.2.1.2. Dimensions, shape and volume of the catalytic converter(s):

3.2.12.2.1.3. Type of catalytic action:

3.2.12.2.1.4. Total charge of precious metals:

3.2.12.2.1.5. Relative concentration:

3.2.12.2.1.6. Substrate (structure and material):

3.2.12.2.1.7. Cell density:

3.2.12.2.1.8. Type of casing for the catalytic converter(s):

3.2.12.2.1.9. Location of the catalytic converter(s) (place and reference distance in the exhaust line):

3.2.12.2.1.10. Heat shield: yes/no ([1])

3.2.12.2.2. Oxygen sensor: yes/no ([1])

3.2.12.2.2.1. Type:

3.2.12.2.2.2. Location:

3.2.12.2.2.3. Control range:

3.2.12.2.3. Air injection: yes/no ([1])

3.2.12.2.3.1. Type (pulse air, air pump, etc.):

3.2.12.2.4. Exhaust gas recirculation: yes/no ([1])

3.2.12.2.4.1. Characteristics (flow rate, etc.):

3.2.12.2.5. Evaporative emissions control system: yes/no ([1])

3.2.12.2.5.1. Detailed description of the devices and their state of tune:

3.2.12.2.5.2. Drawing of the evaporative control system:

3.2.12.2.5.3. Drawing of the carbon canister:

3.2.12.2.5.4. Mass of dry charcoal: ..... grams

3.2.12.2.5.5. Schematic drawing of the fuel tank with indication of capacity and material:

3.2.12.2.5.6. Drawing of the heat shield between tank and exhaust system:

3.2.12.2.6. Particulate trap: yes/no ([1])

3.2.12.2.6.1. Dimensions, shape and capacity of the particulate trap:

3.2.12.2.6.2. Type and design of the particulate trap:

3.2.12.2.6.3. Location (reference distance in the exhaust line):

3.2.12.2.6.4. Method or system of regeneration, description and/or drawing:

3.2.12.2.7. On-board-diagnostic (OBD) system: yes/no ([1])

3.2.12.2.7.1. Written description and/or drawing of the MI:

3.2.12.2.7.2. List and purpose of all components monitored by the OBD system:

3.2.12.2.7.3. Written description (general working principles) for

3.2.12.2.7.3.1. Positive-ignition engines ([1])

3.2.12.2.7.3.1.1. Catalyst monitoring ([1]):

3.2.12.2.7.3.1.2. Misfire detection ([1]):

3.2.12.2.7.3.1.3. Oxygen sensor monitoring ([1]):

3.2.12.2.7.3.1.4. Other components monitored by the OBD system ([1]):

3.2.12.2.7.3.2. Compression-ignition engines ([1]):

3.2.12.2.7.3.2.1. Catalyst monitoring ([1]):

3.2.12.2.7.3.2.2. Particulate trap monitoring ([1]):

3.2.12.2.7.3.2.3. Electronic fuelling system monitoring ([1]):

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3.2.12.2.7.3.2.4. Other components monitored by the OBD system ([1]):

3.2.12.2.7.4. Criteria for MI activation (fixed number of driving cycles or statistical method):

3.2.12.2.7.5. List of all OBD output codes and formats used (with explanation of each):

3.2.12.2.8. Other systems (description and operation):

3.2.13. Location of the absorption coefficient symbol (compression ignition engines only):

3.2.14. Details of any devices designed to influence fuel economy (if not covered by other items):

3.2.15. LPG fuelling system: yes/no ([1])

3.2.15.1. EC type-approval number according to Directive 70/221/EEC (when the Directive will be amended to cover tanks for gaseous fuels.):

3.2.15.2. Electronic engine management control unit for LPG fuelling

3.2.15.2.1. Make(s):

3.2.15.2.2. Type(s):

3.2.15.2.3. Emission-related adjustment possibilities:

3.2.15.3. Further documentation

3.2.15.3.1. Description of the safeguarding of the catalyst at switch-over from petrol to LPG or back:

3.2.15.3.2. System lay-out (electrical connections, vacuum connections compensation hoses, etc.):

3.2.15.3.3. Drawing of the symbol:

3.2.16. NG fuelling system: yes/no ([1])

3.2.16.1. EC type-approval number according to Directive 70/221/EEC (when the Directive will be amended to cover tanks for gaseous fuels):

3.2.16.2. Electronic engine management control unit for NG fuelling

3.2.16.2.2.1. Make(s):

3.2.16.2.2. Type(s):

3.2.16.2.3. Emission-related adjustment possibilities:

3.2.16.3. Further documentation

3.2.16.3.1. Description of the safeguarding of the catalyst at switch-over from petrol to NG or back:

3.2.16.3.2. System lay-out (electrical connections, vacuum connections compensation hoses, etc.):

3.2.16.3.3. Drawing of the symbol:

3.3. Electric motor

3.3.1. Type (winding, excitation):

3.3.1.1. Maximum hourly output: ..... kW

3.3.1.2. Operating voltage: V

3.3.2. Battery

3.3.2.1. Number of cells:

3.3.2.2. Mass: ..... kg

3.3.2.3. Capacity: ..... Ah (Amp-hours)

3.3.2.4. Position:

3.4. Other engines or motors or combinations thereof (particulars regarding the parts of such engines or motors):

3.5. CO_2 emissions/fuel consumption ([u]) (manufacturer's declared value)

3.5.1. CO_2 mass emissions

3.5.1.1. CO_2 mass emissions (urban conditions): ..... g/km

3.5.1.2. CO_2 mass emissions (extra-urban conditions): ..... g/km

3.5.1.3. CO_2 mass emissions (combined): ..... g/km

3.5.2. Fuel consumption

3.5.2.1. Fuel consumption (urban conditions): .... 1/100 km/m^3/100 km ([1])

3.5.2.2. Fuel consumption (extra-urban conditions): .... 1/100 km/m^3/100 km ([1])

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3.5.2.3. Fuel consumption (combined): ..... 1/100 km/m^3/100 km ([1])

3.6. Temperatures permitted by the manufacturer

3.6.1. Cooling system

3.6.1.1. Liquid cooling

3.6.1.1. Maximum temperature at outlet: ..... K

3.6.1.2. Air cooling

3.6.1.2.1. Reference point:

3.6.1.2.2. Maximum temperature at reference point: ..... K

3.6.2. Maximum outlet temperature of the inlet intercooler: ..... K

3.6.3. Maximum exhaust temperature at the point in the exhaust pipe(s) adjacent to the outer flange(s) of the exhaust manifold: .... K

3.6.4. Fuel temperature

minimum: ..... K

maximum: ..... K

3.6.5. Lubricant temperature

minimum: ..... K

maximum: ..... K

3.7. Engine-driven equipment

Maximum permissible power absorbed by the engine-driven equipment as specified in and under the operating conditions of Directive 80/1269/EEC, Annex I, item 5.1.1, at each engine speed as defined in item 4.1 in Annex III to Directive 88/77/EEC

3.7.1. Idling: ..... kW

3.7.2. Intermediate: ..... kW

3.7.3. Rated: ..... kW

3.8. Lubrication system

3.8.1. Description of the system

3.8.1.1. Position of lubricant reservoir:

3.8.1.2. Feed system (by pump/injection into intake/mixing with fuel, etc.) ([1])

3.8.2. Lubricating pump

3.8.2.1. Make(s):

3.8.2.2. Type(s):

3.8.3. Mixture with fuel

3.8.3.1. Percentage:

3.8.4. Oil cooler: yes/no

3.8.4.1. Drawing(s):

or

3.8.4.1.1. Make(s):

3.8.4.1.2. Type(s):

3.9. GAS FUELLED ENGINES (In the case of systems laid-out in a different manner, supply equivalent information).

3.9.1. Fuel: LPG/NG-H/NG-L/NG-HL ([1])

3.9.2. Pressure regulator(s) or vaporiser/pressure regulator(s) ([1])

3.9.2.1. Make(s):

3.9.2.2. Type(s):

3.9.2.3. Number of pressure reduction stages:

3.9.2.4. Pressure in final stage

minimum: ..... kPa

maximum: ..... kPa

3.9.2.5. Number of main adjustment points:

3.9.2.6. Number of idle adjustment points:

3.9.2.7. EC type-approval number according to ...../...../EC:

3.9.3. Fuelling system: mixing unit/gas injection/liquid injection/direct

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injection ([1])

3.9.3.1. Mixture strength regulation:

3.9.3.2. System description and/or diagram and drawings:

3.9.3.3. EC type-approval number according to ...../...../EC:

3.9.4. Mixing unit

3.9.4.1. Number:

3.9.4.2. Make(s):

3.9.4.3. Type(s):

3.9.4.4. Location:

3.9.4.5. Adjustment possibilities:

3.9.4.6. EC type-approval number according to ...../...../EC:

3.9.5. Inlet manifold injection

3.9.5.1. Injection: single point/multipoint

3.9.5.2 Injection: continuous/simultaneously timed/sequentially timed

3.9.5.3. Injection equipment

3.9.5.3.1. Make(s):

3.9.5..3.2. Type(s):

3.9.5.3.3. Adjustment possibilities:

3.9.5..3.4. EC type-approval number according to ...../...../EC:

3.9.5.4. Supply pump (if applicable)

3.9.5.4.1. Make(s):

3.9.5.4.2. Type(s):

3.9.5.4.3 EC type-approval number according to ...../...../EC:

3.9.5.5. Injector(s)

3.9.5.5.1. Make(s):

3.9.5.5.2. Type(s):

3.9.5.5.3. EC type-approval number according to ...../...../EC:

3.9.6. Direct injection

3.9.6.1. Injection pump/pressure regulator

3.9.6.1.1. Make(s):

3.9.6.1.2. Type(s):

3.9.6.1.3. Injection timing:

3.9.6.1.4. EC type-approval number according to ...../...../EC:

3.9.6.2. Injector(s)

3.9.6.2.1. Make(s):

3.9.6.2.2. Type(s):

3.9.6.2.3. Opening pressure or characteristic diagram:

3.9.6.2.4. EC type-approval number according to ...../...../EC:

3.9.7. Electronic control unit (ECU)

3.9.7.1. Make(s):

3.9.7.2 Type(s):

3.9.7.3. Adjustment possibilities:

3.9.8. NG fuel-specific equipment

3.9.8.1. Variant 1 (only in the case of approvals of engines for several specific fuel compositions)

3.9.8.1.1. Fuel composition:

methane (CH_4): basis: … % mole min. … % mole max. … % mole

ethane (C_2H_6): basis: … % mole min. … % mole max. … % mole

propane (C_3H_8): basis: … % mole min. … % mole max. … %mole

butane (C_4H_{10}): basis: … % mole min. … % mole max. … % mole

C_5/C_5+: basis: … % mole min. … % mole max. … % mole

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oxygen (O_2): basis: … % mole min. … % mole max. … % mole

inert (N_2, He, etc.): basis: … % mole min. … % mole max. … % mole

3.9.8.1.2. Injector(s)

3.9.8.1.2.1. Make(s)

3.9.8.1.2.2. Type(s)

3.9.8.1.3. Others (if applicable): .....

3.9.8.1.4. Fuel temperature

minimum: ..... kPa

maximum: ..... kPa

at pressure regulator final stage, NG fuelled gas engines only.

Variant 2 (only in the case of approvals for several specific fuel compositions)

4. TRANSMISSION ([V])

4.1. Drawing of the transmission:

4.2. Type (mechanical, hydraulic, electric, etc.):

4.2.1. A brief description of the electrical/electronic components (if any):

4.3. Moment of inertia of engine flywheel:

4.3.1. Additional moment of inertia with no gear engaged:

4.4. Clutch (type):

4.4.1. Maximum torque conversion:

4.5. Gearbox

4.5.1. Type (manual/automatic/CVT (continuously variable transmission)) ([1])

4.5.2. Location relative to the engine:

4.5.3. Method of control:

4.6. Gear ratios

	Gear	Internal gearbox ratios (ratios of engine to gearbox output shaft revolutions)	Final drive ratio(s) (ratio of gearbox output shaft to driven wheel revolutions)	Total gear ratios
	Maximum for CVT 1 2 3 … Minimum for CVT			
	Reverse			

4.7. Maximum vehicle speed (in km/h) ([W]):

4.8. Speedometer (in the case of tachograph give approval mark only)

4.8.1. Method of operation and description of drive mechanism:

4.8.2. Instrument constant:

4.8.3. Tolerance of the measuring mechanism (pursuant to item 2.1.3 of Annex II to Directive 75/443/EEC):

4.8.4. Overall transmission ratio (pursuant to item 2.1.2 of Annex II to Directive 75/443/EEC) or equivalent data:

4.8.5. Diagram of the speedometer scale or other forms of display:

4.9. Differential lock: yes/no/optional ([1])

5. AXLES

5.1. Description of each axle:

5.2. Make:

5.3. Type: .....

5.4. Position of retractable axle(s):

5.5. Position of loadable axle(s):

6. SUSPENSION

6.1. Drawing of the suspension arrangements:

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6.2. Type and design of the suspension of each axle or group of axles or wheel:

6.2.1. Level adjustment: yes/no/optional ([1])

6.2.2. A brief description of the electrical/electronic components (if any):

6.2.3. Air-suspension for driving axle(s): yes/no ([1])

6.2.3.1. Suspension of driving axle(s) equivalent to air-suspension: yes/no ([1])

6.2.3.2. Frequency and damping of the oscillation of the sprung mass:

6.3. Characteristics of the springing parts of the suspension (design, characteristics of the materials and dimensions):

6.4. 6.5. Stabilisers: yes/no/optional ([1])

6.6. Shock absorbers: yes/no/optional ([1])

6.6.1. Tyres and wheels

Tyre/wheel combination(s) (for tyres indicate size designation, minimum load-capacity index, minimum speed category symbol; for tyres of category Z intended to be fitted on vehicles whose maximum speed exceeds 300 km/h equivalent information shall be provided; for wheels indicate rim size(s) and off-set(s))

6.6.1.1. Axles

6.6.1.1.1. Axle 1:

6.6.1.1.2. Axle 2:

etc.

6.6.1.2. Spare wheel, if any:

6.6.2. Upper and lower limits of rolling radii

6.6.2.1. Axle 1:

6.6.2.2. Axle 2:

etc.

6.6.3. Tyre pressure(s) as recommended by the vehicle manufacturer: ..... kPa

6.6.4. Chain/tyre/wheel combination on the front and/or rear axle that is

suitable for the type of vehicle, as recommended by the manufacturer:

6.6.5. Brief description of temporary use spare unit (if any):

7. STEERING

7.1. Schematic diagram of steered axle(s) showing steering geometry:

7.2. Transmission and control

7.2.1. Type of steering transmission (specify for front and rear, if applicable):

7.2.2. Linkage to wheels (including other than mechanical means; specify for front and rear, if applicable):

7.2.2.1. A brief description of the electrical/electronic components (if any):

7.2.3. Method of assistance (if any):

7.2.3.1. Method and diagram of operation, make(s) and type(s):

7.2.4. Diagram of the steering equipment as a whole, showing the position on the vehicle of the various devices influencing its steering behaviour:

7.2.5. Schematic diagram(s) of the steering control(s):

7.2.6. Range and method of adjustment (if any), of the steering control:

7.3. Maximum steering angle of the wheels

7.3.1. To the right: ..... degrees; number of turns of the steering wheel (or equivalent data):

7.3.2. To the left: ..... degrees; number of turns of the steering wheel (or equivalent data):

8. BRAKES

The following particulars, including means of identification, where applicable, are to be given:

8.1. Type and characteristics of the brakes (as defined in Annex I, item 1,6 to Directive 71/320/EEC) with a drawing (e.g. drums or discs, wheels braked, connection to braked wheels, make and type of shoe/pad assemblies and/or linings, effective braking areas, radius of drums, shoes or discs, mass of drums, adjustment devices, relevant parts of the axle(s) and suspension):

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8.2. Operating diagram, description and/or drawing of the following braking systems (as defined in Annex I, item 1.2 to Directive 71/320/EEC) with, for example, transmission and control (construction, adjustment, lever ratios, accessibility of control and its position, ratchet controls in the case of mechanical transmission, characteristics of the main parts of the linkage, cylinders and control pistons, brake cylinders or equivalent components in the case of electrical braking systems)

8.2.1. Service braking system:

8.2.2. Secondary braking system:

8.2.3. Parking braking system:

8.2.4. Any additional braking system:

8.2.5. Break-away braking system:

8.3. Control and transmission of trailer braking systems in vehicles designed to tow a trailer:

8.4. Vehicle is equipped to tow a trailer with electric/pneumatic/hydraulic ([1]) service brakes: yes/no ([1])

8.5. Anti-lock braking system: yes/no/optional ([1])

8.5.1. For vehicles with anti-lock systems, description of system operation (including any electronic parts), electric block diagram, hydraulic or pneumatic circuit plan:

8.6. Calculation and curves according to the Appendix to item 1.1.4.2 of Annex II to Directive 71/320/EEC (or the Appendix to Annex XI, if applicable):

8.7. Description and/or drawing of the energy supply (also to be specified for power-assisted braking systems):

8.7.1. In the case of compressed-air braking systems, working pressure p2 in the pressure reservoir(s):

8.7.2. In the case of vacuum braking systems, the initial energy level in the reservoir(s):

8.8. Calculation of the braking system: Determination of the ratio between the total braking forces at the circumference of the wheels and the force applied to the braking control:

8.9. Brief description of the braking systems (according to item 1.6 of the

Addendum to Appendix 1 of Annex IX to Directive 71/320/EEC):

8.10. If claiming exemptions from the Type I and/or Type II or Type III tests, state the number of the report in accordance with Appendix 2 of Annex VII to Directive 71/320/EEC:

8.11. Particulars of the type(s) of endurance braking system(s):

9. BODYWORK

9.1. Type of bodywork:

9.2. Materials used and methods of construction:

9.3. Occupant doors, latches and hinges

9.3.1. Door configuration and number of doors:

9.3.1.1. Dimensions, direction and maximum angle of opening:

9.3.2. Drawing of latches and hinges and of their position in the doors:

9.3.3. Technical description of latches and hinges:

9.3.4. Details (including dimensions) of entrances, steps and necessary handles where applicable:

9.4. Field of vision (Directive 77/649/EEC)

9.4.1. Particulars of the primary reference marks in sufficient detail to enable them to be readily identified and the position of each in relation to the others and to the R-point to be verified:

9.4.2. Drawing(s) or photograph(s) showing the location of component parts within the 180° forward field of vision:

9.5. Windscreen and other windows

9.5.1. Windscreen

9.5.1.1. Materials used:

9.5.1.2. Method of mounting:

9.5.1.3. Angle of inclination:

9.5.1.4. EC type-approval number(s):

9.5.1.5. Windscreen accessories and the position in which they are fitted

together with a brief description of any electrical/electronic components involved:

9.5.2. Other windows

9.5.2.1. Materials used:

9.5.2.2. EC type-approval number(s):

9.5.2.3. A brief description of the electrical/electronic components (if any) of the window lifting mechanism:

9.5.3. Opening roof glazing

9.5.3.1. Materials used:

9.5.3.2. EC type-approval number(s):

9.5.4. Other glass panes

9.5.4.1. Materials used:

9.5.4.2. EC type-approval number(s):

9.6. Windscreen wiper(s)

9.6.1. Detailed technical description (including photographs or drawings):

9.7. Windscreen washer

9.7.1. Detailed technical description (including photographs or drawings) or, if approved as separate technical unit, EC type-approval number:

9.8. Defrosting and demisting

9.8.1. Detailed technical description (including photographs or drawings):

9.8.2. Maximum electrical consumption: ..... kW

9.9. Devices for indirect vision

9.9.1. Mirrors (state for each mirror):

9.9.1.1. Make:

9.9.1.2. EC type-approval mark:

9.9.1.3. Variant:

9.9.1.4. Drawing(s) for the identification of the mirror showing the position of the mirror relative to the vehicle structure:

9.9.1.5. Details of the method of attachment including that part of the vehicle structure to which it is attached:

9.9.1.6. Optional equipment which may affect the rearward field of vision:

9.9.1.7. A brief description of the electronic components (if any) of the adjustment system: .....

9.9.2. Devices for indirect vision other than mirrors:

9.9.2.1. Type and characteristics (such as a complete description of the device):

9.9.2.1.1. In the case of a camera-monitor device, the detection distance (mm), contrast, luminance range, glare correction, display performance (black and white/colour), image repetition frequency, luminance reach of the monitor:

9.9.2.1.2. Sufficiently detailed drawings to identify the complete device, including installation instructions; the position for the EC type-approval mark has to be indicated on the drawings.

9.10. Interior fittings

9.10.1. Interior protection for occupants (Directive 74/60/EEC)

9.10.1.1. Layout drawing or photographs showing the position of the attached sections or views:

9.10.1.2. Photograph or drawing showing the reference line including the exempted area (Annex I, item 2.3.1 to Directive 74/60/EEC):

9.10.1.3. Photographs, drawings and/or an exploded view of the interior fittings, showing the parts in the passenger compartment and the materials used (with the exception of interior rear view mirrors), arrangement of controls, roof and opening roof, backrest, seats and the rear part of seats (Annex I, item 3.2 to Directive 74/60/EEC):

9.10.2. Arrangement and identification of controls, tell-tales and indicators

9.10.2.1. Photographs and/or drawings of the arrangement of symbols and controls, tell-tales and indicators:

9.10.2.2. Photographs and/or drawings of the identification of controls, tell-tales and indicators and of the vehicle parts mentioned in Directive 78/316/EEC where relevant:

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9.10.2.3. Summary table

The vehicle is equipped with the following controls, indicators and tell-tales pursuant to Annexes II and III to Directive 78/316/EEC:

Controls, tell-tales and indicators for which, when fitted, identification is mandatory, and symbols to be used for that purpose

Symbol No	Device	Control/ indicator available (1)	Identified by symbol (1)	Where (2)	Tell-tale available	Identified by symbol (1)	Where (2)
1	Master light	OK (10)					
2	Dipped-beam headlamps						
3	Main-beam head lamps						
4	Position (side) lamps						
5	Front fog lamps						
6	Rear fog lamp						
7	Headlamp levelling device						
8	Parking lamps						
9	Direction indicators						
10	Hazard warning						
11	Windscreen wiper						
12	Windscreen washer						
13	Windscreen wiper and washer						
14	Headlamp cleaning device						
15	Windscreen demisting and defrosting						
16	Rear window demisting and defrosting						
17	Ventilating fan						
18	Diesel pre-heat						
19	Choke						
20	Brake failure						
21	Fuel level						
22	Battery charging condition						
23	Engine coolant temperature						

(1) x = yes
- = no or not separately available
o = optional.

(2) d = directly on control, indicator or tell-tale
c = in close vicinity.

Controls, tell-tales and indicators for which, when fitted, identification is optional, and symbols which must be used if they are to be identified

Symbol No	Device	Control/ indicator available (1)	Identified by symbol (1)	Where (2)	Tell-tale available	Identified by symbol (1)	Where (2)
1	Parking brake						
2	Rear window wiper						
3	Rear window washer						
4	Rear window wiper and washer						
5	Intermittent windscreen wiper						
6	Audible warning device (horn)						
7	Front hood (bonnet)						
8	Rear hood (boot)						
9	Seat belt						
10	Engine oil pressure						
11	Unleaded petrol						
…							

(1) x = yes
- = no or not separately available
o = optional.

(2) d = directly on control, indicator or tell-tale
c = in close vicinity.

9.10.3. Seats

9.10.3.1. Number:

9.10.3.2. Position and arrangement:

9.10.3.2.1. Number of seating positions:

9.10.3.2.2. Seat(s) designated for use only when the vehicle is stationary:

9.10.3.3. Mass:

9.10.3.4. Characteristics: for seats not EC type-approved as components, description and drawings of

9.10.3.4.1. the seats and their anchorages:

9.10.3.4.2. the adjustment system:

9.10.3.4.3. the displacement and locking systems:

9.10.3.4.4. the seat belt anchorages (if incorporated in the seat structure):

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9.10.3.4.5. the parts of the vehicle used as anchorages:

9.10.3.5. Coordinates or drawing of the R-point ([x])

9.10.3.5.1. Driver's seat:

9.10.3.5.2. All other seating positions:

9.10.3.6. Design torso angle

9.10.3.6.1. Driver's seat:

9.10.3.6.2. All other seating positions:

9.10.3.7. Range of seat adjustment

9.10.3.7.1. Driver's seat:

9.10.3.7.2. All other seating positions:

9.10.4. Head restraints

9.10.4.1. Type(s) of head restraints: integrated/detachable/separate ([1])

9.10.4.2. EC type-approval number(s), if available:

9.10.4.3. For head restraints not yet approved

9.10.4.3.1. A detailed description of the head restraint, specifying in particular the nature of the padding material or materials and, where applicable, the position and specifications of the braces and anchorage pieces for the type of seat for which approval is sought:

9.10.4.3.2. In the case of a 'separate' head restraint

9.10.4.3.2.1. A detailed description of the structural zone to which the head restraint is intended to be fixed:

9.10.4.3.2.2. Dimensional drawings of the characteristic parts of the structure and the head restraint:

9.10.5. Heating systems for the passenger compartment

9.10.5.1. A brief description of the vehicle type with regard to the heating system if the heating system uses the heat of the engine cooling fluid:

9.10.5.2. A detailed description of the vehicle type with regard to the heating if the cooling air or the exhaust gases of the engine are used as heat source, including:

9.10.5.2.1. layout drawing of the heating system showing its position in the vehicle:

9.10.5.2.2. layout drawing of the heat exchanger for heating systems using the exhaust gases for heating, or of the parts where the heat exchange takes place (for heating systems using the engine cooling air for heating):

9.10.5.2.3. sectional drawing of the heat exchanger or the parts respectively where the heat exchange takes place indicating the thickness of the wall, used materials and characteristics of the surface:

9.10.5.2.4. Specifications shall be given for further important components of the heating system such as, for example, the heater fan, with regard to their method of construction and technical data:

9.10.5.3. A brief description of the vehicle type with regard to the combustion heating system and the automatic control:

9.10.5.3.1. layout drawing of the combustion heater, the air inlet system, the exhaust system, the fuel tank, the fuel supply system (including the valves) and the electrical connections showing their positions in the vehicle.

9.10.5.4. Maximum electrical consumption: ..... kW

9.10.6. Components influencing the behaviour of the steering mechanism in the event of an impact (Directive 74/297/EEC)

9.10.6.1. A detailed description, including photograph(s) and/or drawing(s), of the vehicle type with respect to the structure, the dimensions, the lines and the constituent materials of that part of the vehicle forward of the steering control, including those components designed to contribute to the absorption of energy in the event of an impact against the steering control:

9.10.6.2. Photograph(s) and/or drawing(s) of vehicle components other than those described in 9.10.6.1 as identified by the manufacturer in agreement with the technical service, as contributing to the behaviour of the steering mechanism in case of impact:

9.10.7. Burning behaviour of materials used in the interior construction of certain categories of motor vehicles (Directive 95/28/EC)

9.10.7.1. Material(s) used for the interior lining of the roof

9.10.7.1.1. Component EC type-approval number(s), if available:

9.10.7.1.2. For materials not approved

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9.10.7.1.2.1. Base material(s)/designation: ..... /.....

9.10.7.1.2.2. Composite/single ([1]) material, number of layers ([1]):

9.10.7.1.2.3. Type of coating ([1]):

9.10.7.1.2.4. Maximum/minimum thickness: ..... /..... mm

9.10.7.2. Material(s) used for the rear and side walls

9.10.7.2.1. Component type-approval number(s), if available:

9.10.7.2.2. For materials not approved

9.10.7.2.2.1. Base material(s)/designation: ..... /.....

9.10.7.2.2.2. Composite/single ([1]) material, number of layers ([1]):

9.10.7.2.2.3. Type of coating ([1]):

9.10.7.2.2.4. Maximum/minimum thickness: ...../..... mm

9.10.7.3. Material(s) used for the floor

9.10.7.3.1. Component EC type-approval number(s), if available:

9.10.7.3.2. For materials not approved

9.10.7.3.2.1. Base material(s)/designation: ...../.....

9.10.7.3.2.2. Composite/single ([1]) material, number of layers ([1]):

9.10.7.3.2.3. Type of coating ([1]):

9.10.7.3.2.4. Maximum/minimum thickness: ...../..... mm

9.10.7.4. Material(s) used for the upholstery of the seats

9.10.7.4.1. Component EC type-approval number(s), if available:

9.10.7.4.2. Floor materials not approved

9.10.7.4.2.1. Base material(s)/designation: ...../.....

9.10.7.4.2.2. Composite/single ([1]) material, number of layers ([1]):

9.10.7.4.2.3. Type of coating ([1]):

9.10.7.4.2.4. Maximum/minimum thickness: ...../..... mm

9.10.7.5. Material(s) used for the heating and ventilation pipes

9.10.7.5.1. Component EC type-approval number(s), if available:

9.10.7.5.2. For materials not approved

9.10.7.5.2.1. Base material(s)/designation: ...../.....

9.10.7.5.2.2. Composite/single ([1]) material, number of layers ([1]):

9.10.7.5.2.3. Type of coating ([1]):

9.10.7.5.2.4. Maximum/minimum thickness: ...../..... mm

9.10.7.6. Material(s) used for luggage racks

9.10.7.6.1. Component EC type-approval number(s), if available:

9.10.7.6.2. For materials not approved

9.10.7.6.2.1. Base material(s)/designation: ...../.....

9.10.7.6.2.2. Composite/single ([1]) material, number of layers ([1]):

9.10.7.6.2.3. Type of coating ([1]):

9.10.7.6.2.4. Maximum/minimum thickness: ...../..... mm

9.10.7.7. Material(s) used for other purposes

9.10.7.7.1. Intended purposes:

9.10.7.7.2. Component EC type-approval number(s), if available:

9.10.7.7.3. For materials not approved

9.10.7.7.3.1. Base material(s)/designation: ...../.....

9.10.7.7.3.2. Composite/single ([1]) material, number of layers ([1]):

9.10.7.7.3.3. Type of coating ([1]):

9.10.7.7.3.4. Maximum/minimum thickness: ...../..... mm

9.10.7.8. Components approved as complete devices (seats, separation walls, luggage racks, etc.)

9.10.7.8.1. Component EC type-approval number(s):

9.10.7.8.2. For the complete device: seat, separation wall, luggage racks, etc. ([1])

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9.11. External projections (Directive 74/483/EEC and Directive 92/114/EEC)

9.11.1. General arrangement (drawing or photographs) indicating the position of the attached sections and views:

9.11.2. Drawings and/or photographs, for example, and where relevant, of the door and window pillars, air-intake grilles, radiator grille, windscreen wipers, rain gutter channels, handles, slide rails, flaps, door hinges and locks, hooks, eyes, decorative trim, badges, emblems and recesses and any other external projections and parts of the exterior surface which can be regarded as critical (e.g. lighting equipment). If the parts listed in the previous sentence are not critical, for documentation purposes they may be replaced by photographs, accompanied if necessary by dimensional details and/or text:

9.11.3. Drawings of parts of the external surface in accordance with Annex I, item 6.9.1 to Directive 74/483/EEC:

9.11.4. Drawing of bumpers:

9.11.5. Drawing of the floor line:

9.12. Safety belts and/or other restraint systems

9.12.1. Number and position of safety belts and restraint systems and seats on which they can be used:

(L = left-hand side, R = right-hand side, C = centre)

		Complete EC type-approval mark	Variant, if applicable	Belt adjustment device for height (indicate yes/no/optional)
First row of seats	L			
First row of seats	C			
First row of seats	R			
Second row of seats (1)	L			
Second row of seats (1)	C			
Second row of seats (1)	R			

(1) The table may be extended as necessary for vehicles with more than two rows of seats or if there are more than three seats across the width of the vehicle.

9.12.2. Nature and position of supplementary restraint systems (indicate yes/no/optional):

(L = left-hand side, R = right-hand side, C = centre))

		Front airbag	Side airbag	Belt pre-loading device
First row of seats	L			
First row of seats	C			
First row of seats	R			
Second row of seats ([1])	L			
Second row of seats ([1])	C			
Second row of seats ([1])	R			

(1) The table may be extended as necessary for vehicles with more than two rows of seats or if there are more than three seats across the width of the vehicle.

9.12.3. Number and position of safety belt anchorages and proof of compliance with Directive 76/115/EEC, (i.e. EC type-approval number or test report):

9.12.4. A brief description of the electrical/electronic components (if any):

9.13. Safety belt anchorages

9.13.1. Photographs and/or drawings of the bodywork showing the position and dimensions of the actual and the effective anchorages including the R-points:

9.13.2. Drawings of the belt anchorages and parts of the vehicle structure where they are attached (with the material indication):

9.13.3. Designation of the types (**) of safety belt authorised for fitting to the anchorages with which the vehicle is equipped:

			Anchorage location	
			Vehicle structure	Seat structure
First row of seats				
Right-hand seat	Lower anchorages	outboard / inboard		
	Upper anchorages			
Centre seat	Lower anchorages	right / left		
	Upper anchorages			
Left-hand seat	Lower anchorages	outboard / inboard		
	Upper anchorages			

Second row of seats (1)				
Right-hand seat	Lower anchorages	outboard		
		inboard		
	Upper anchorages			
Centre seat	Lower anchorages	right		
		left		
	Upper anchorages			
Left-hand seat	Lower anchorages	outboard		
		inboard		
	Upper anchorages			

(1) The table may be extended as necessary for vehicles with more than two rows of seats or if there are more than three seats across the width of the vehicle.

9.13.4. Description of a particular type of safety belt where an anchorage is located in the seat backrest or incorporates an energy dissipating device:

9.14. Space for mounting rear registration plates (give range where appropriate, drawings may be used where applicable)

9.14.1. Height above road surface, upper edge:

9.14.2. Height above road surface, lower edge:

9.14.3. Distance of the centre line from the longitudinal median plane of the vehicle:

9.14.4. Distance from the left vehicle edge:

9.14.5. Dimensions (length × width):

9.14.6. Inclination of the plane to the vertical:

9.14.7. Angle of visibility in the horizontal plane:

9.15. Rear underrun protection (Directive 70/221/EEC)

9.15.0. Presence: yes/no/incomplete ([1])

9.15.1. Drawing of the vehicle parts relevant to the rear underrun protection, i.e. drawing of the vehicle and/or chassis with position and mounting of the widest rear axle, drawing of the mounting and/or fitting of the rear underrun protection. If the underrun protection is not a special device, the drawing must clearly show that the required dimensions are met:

9.15.2. In case of a special device, full description and/or drawing of the rear

underrun protection (including mountings and fittings), or, if approved as separate technical unit, EC type-approval number:

9.16. Wheel guards (Directive 78/549/EEC)

9.16.1. Brief description of the vehicle with regard to its wheel guards:

9.16.2. Detailed drawings of the wheel guards and their position on the vehicle showing the dimensions specified in Figure 1 of Annex I to Directive 78/549/EEC and taking account of the extremes of tyre/wheel combinations:

9.17. Statutory plates (Directive 76/114/EEC)

9.17.1. Photographs and/or drawings of the locations of the statutory plates and inscriptions and of the vehicle identification number:

9.17.2. Photographs and/or drawings of the official part of the plates and inscriptions (completed example with dimensions):

9.17.3. Photographs and/or drawings of the vehicle identification number (completed example with dimensions):

9.17.4. Manufacturer's declaration of compliance with the requirement of item 1.1.1 of Annex II to Directive 76/114/EEC

9.17.4.1. The meaning of characters in the second section and, if applicable, in the third section used to comply with the requirements of section 5.3 of ISO Standard 3779-1983 shall be explained:

9.17.4.2. If characters in the second section are used to comply with the requirements of section 5.4 of ISO Standard 3779-1983 these characters shall be indicated:

9.18. Suppression of radio interference

9.18.1. Description and drawings/photographs of the shapes and constituent materials of the part of the body forming the engine compartment and the part of the passenger compartment nearest to it:

9.18.2. Drawings or photographs of the position of metal components housed in the engine compartment (e.g. heating appliances, spare wheel, air filter, steering mechanism, etc.):

9.18.3. Table and drawing of radio-interference control equipment:

9.18.4. Particulars of the nominal value of the direct current resistance, and, in the case of resistive ignition cables, of their nominal resistance per

metre:

9.19. Lateral protection (Directive 89/297/EEC)

9.19.0. Presence: yes/no/incomplete ([1])

9.19.1. Drawing of the vehicle parts relevant to the lateral protection, i.e. drawing of the vehicle and/or chassis with position and mounting of the axle(s), drawing of the mountings and/or the fittings of lateral protection device(s). If the lateral protection is achieved without lateral protection device(s) the drawing must clearly show that the required dimensions are met:

9.19.2. In the case of lateral protection device(s), full description and/or drawing of such device(s) (including mountings and fittings) or its/their component EC type-approval number(s):

9.20. Spray-suppression system (Directive 91/226/EEC)

9.20.0. Presence: yes/no/incomplete ([1])

9.20.1. Brief description of the vehicle with regard to its spray-suppression system and the constituent components:

9.20.2. Detailed drawings of the spray-suppression system and its position on the vehicle showing the dimensions specified in the figures in Annex III to Directive 91/226/EEC and taking account of the extremes of tyre/ wheel combinations:

9.20.3. EC type-approval number(s) of spray-suppression device(s), if available:

9.21. Side-impact resistance (Directive 96/27/EC)

9.21.1. A detailed description, including photographs and/or drawings, of the vehicle with respect to the structure, the dimensions, the lines and the constituent materials of the side walls of the passenger compartment (exterior and interior), including specific details of the protection system, where applicable:

9.22. Front underrun protection

9.22.1. Drawing of the vehicle parts relevant to the front underrun protection, i.e. drawing of the vehicle and/or chassis with position and mounting and/ or fitting of the front underrun protection. If the underrun protection is no special device, the drawing must clearly show that the required dimensions are met:

9.22.2. In the case of special device, full description and/or drawing of the front

underrun protection (including mountings and fittings), or, if approved as a separate technical unit, EC type-approval number:

9.23. Pedestrian protection

9.23.1. A detailed description, including photographs and/or drawings, of the vehicle with respect to the structure, the dimensions, the relevant reference lines and the constituent materials of the frontal part of the vehicle (interior and exterior) shall be provided. This description should include detail of any active protection system installed.

10. LIGHTING AND LIGHT SIGNALLING DEVICES

10.1. Table of all devices: number, make, model, EC type-approval mark, maximum intensity of main-beam headlamps, colour, tell-tale:

10.2. Drawing of the position of lighting and light signalling devices:

10.3. For every lamp and reflector specified in Directive 76/756/EEC supply the following information (in writing and/or by diagram)

10.3.1. Drawing showing the extent of the illuminating surface:

10.3.2. Method used for the definition of the apparent surface (paragraph 2.10 of the documents referred to in Annex II to Directive 76/756/EEC, item 1):

10.3.3. Axis of reference and centre of reference:

10.3.4. Method of operation of concealable lamps

10.3.5. Any specific mounting and wiring provisions:

10.4. Dipped beam lamps: normal orientation as per paragraph 6.2.6.1 of the documents referred to in Annex II to Directive 76/756/EEC, item 1

10.4.1. Value of initial adjustment:

10.4.2. Location of indication:

10.4.3. Description/drawing ([1]) and type of headlamp levelling device * (e.g. automatic, stepwise manually adjustable, continuously manually adjustable):.....

10.4.4. Control device: .....

10.4.5. Reference marks: .....

10.4.6. Marks assigned for loading conditions: .....

*Applicable only for vehicles with headlamp levelling device

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10.5. A brief description of electrical/electronic components other than lamps (if any):

11. CONNECTIONS BETWEEN TOWING VEHICLES AND TRAILERS AND SEMI-TRAILERS

11.1. Class and type of the coupling device(s) fitted or to be fitted:

11.2. Characteristics D, U, S and V of the coupling device(s) fitted or minimal characteristics D, U, S and V of the coupling device(s) to be fitted: ..... daN

11.3. Instructions for attachment of the coupling type to the vehicle and photographs or drawings of the fixing points at the vehicle as stated by the manufacturer; additional information, if the use of the coupling type is restricted to certain variants or versions of the vehicle type:

11.4. Information of the fitting of special towing brackets or mounting plates:

11.5. EC type-approval number(s):

12. MISCELLANEOUS

12.1. Audible warning device(s)

12.1.1. Location, method of affixing, placement and orientation of the device(s), with dimensions:

12.1.2. Number of device(s):

12.1.3. EC type-approval number(s):

12.1.4. Electrical/pneumatic ([1]) circuit diagram:

12.1.5. Rated voltage or pressure:

12.1.6. Drawing of the mounting device:

12.2. Devices to prevent unauthorised use of the vehicle

12.2.1. Protective device

12.2.1.1. A detailed description of the vehicle type with regard to the arrangement and design of the control or of the unit on which the protective device acts:

12.2.1.2. Drawings of the protective device and of its mounting on the vehicle:

12.2.1.3. A technical description of the device:

12.2.1.4. Details of the lock combinations used:

12.2.1.5. Vehicle immobiliser

12.2.1.5.1. EC type-approval number, if available:

12.2.1.5.2. For immobilisers not yet approved

12.2.1.5.2.1. A detailed technical description of the vehicle immobiliser and of the measures taken against inadvertent activation:

12.2.1.5.2.2. The system(s) on which the vehicle immobiliser acts:

12.2.1.5.2.3. Number of effective interchangeable codes, if applicable:

12.2.2. Alarm system (if any)

12.2.2.1. EC type-approval number, if available:

12.2.2.2. For alarm systems not yet approved

12.2.2.2.1. A detailed description of the alarm system and of the vehicle parts related to the alarm system installed:

12.2.2.2.2. A list of the main components comprising the alarm system:

12.2.3. A brief description of the electrical/electronic components (if any):

12.3. Towing device(s)

12.3.1. Front: Hook/eye/other ([1])

12.3.2. Rear: Hook/eye/other/none ([1])

12.3.3. Drawing or photograph of the chassis/area of the vehicle body showing the position, construction and mounting of the towing device(s):

12.4. Details of any non-engine related devices designed to influence fuel consumption (if not covered by other items):

12.5. Details of any non-engine related devices designed to reduce noise (if not covered by other items):

12.6. Speed limiters (Directive 92/24/EEC)

12.6.1. Manufacturer(s):

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12.6.2. Type(s):

12.6.3. EC type-approval number(s), if available:

12.6.4. Speed or range of speeds at which the speed limitation may be set: ..... km/h

12.7. Table of installation and use of RF transmitters in the vehicle(s), if applicable:

Frequency bands (Hz)	max. output power (W)	antenna position at vehicle, specific conditions for installation and/or use

The applicant for type-approval must also supply, where appropriate:

Appendix 1

A list (with make(s) and type(s) of all electrical and/or electronic components concerned by the Directive (see points 2.1.9. and 2.1.10. of Directive 2004/104/EC) and not previously listed.

Appendix 2

Schematics or drawing of the general arrangement of electrical and/or electronic components (concerned by Directive 2004/104/EC) and the general wiring harness arrangement.

Appendix 3

Description of vehicle chosen to represent the type

Body style:

Left or right hand drive:

Wheelbase:

Appendix 4

Relevant test report(s) supplied by the manufacturer or approved/ recognised laboratories for the purpose of drawing up the type-approval certificate.

12.7.1. Vehicle equipped with a 24 GHz short-range radar equipment: Yes/No (strike out which is not applicable).

12.7.2. Vehicle equipped with a 79 GHz short-range radar equipment: Yes/No (strike out which is not applicable)

13. SPECIAL PROVISIONS FOR VEHICLES USED FOR THE CARRIAGE OF PASSENGERS COMPRISING MORE THAN EIGHT SEATS IN ADDITION TO THE DRIVER'S SEAT

13.1. Class of vehicle (Class I, Class II, Class III, Class A, Class B):

13.1.1. EC type-approval number of bodywork approved as a separate technical unit: .....

13.1.2. Chassis types where the EC type-approved bodywork can be installed (manufacturer(s), and types of incomplete vehicle):

13.2. Area for passengers (m^2)

13.2.1. Total (So):

13.2.2. Upper deck (Soa):

13.2.3. Lower deck (Sob):

13.2.4. For standing passengers (S1):

13.3. Number of passengers (seated and standing)

13.3.1. Total (N):

13.3.2. Upper deck (Na):

13.3.3. Lower deck (Nb):

13.4. Number of passengers seated

13.4.1. Total (A):

13.4.2. Upper deck (Aa):

13.4.3. Lower deck (Ab):

13.5. Number of service doors:

13.6. Number of emergency exits (doors, windows, escape hatches, intercommunication staircase and half staircase):

13.6.1. Total:

13.6.2. Upper deck:

13.6.3. Lower deck:

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13.7. Volume of luggage compartments (m^3):

13.8. Area of luggage transportation of the roof (m^2):

13.9. Technical service facilitating the access to vehicles (e.g. Ramp, lifting platform, kneeling system), if fitted:

13.10. Strength of superstructure

13.10.1. EC type-approval number, if available:

13.10.2. For superstructures not yet approved

13.10.2.1. Detailed description of the superstructure of the vehicle type including its dimensions, configuration and constituent materials and its attachment to any chassis frame:

13.10.2.2. Drawings of the vehicle and those parts of its interior arrangement which have an influence on the strength of the superstructure or on the residual space:

13.10.2.3. Position of centre of gravity of the vehicle in running order in the longitudinal, transverse and vertical directions:

13.19.2.4. Maximum distance between the centre lines of the outboard passenger seats:

13.11. Points of the Directive [...../...../EC] to be accomplished and demonstrated for this technical unit:

14. SPECIAL PROVISIONS FOR VEHICLES INTENDED FOR THE TRANSPORT OF DANGEROUS GOODS (Directive 98/91/EC)

14.1. Electrical equipment according to Directive 94/55/EC

14.1.1. Protection against overheating of conductors:

14.1.2. Type of circuit breaker:

14.1.3. Type and operation of battery master switch:

14.1.4. Description and location of safety barrier for tachograph:

14.1.5. Description of permanently energised installations. Indicate the EN standard applied:

14.1.6. Construction and protection of electrical installation situated to the rear of the driver's compartment:

14.2. Prevention of fire risks

14.2.1. Type of not readily flammable material in the driver's compartment:

14.2.2. Type of heat shield behind the driver's compartment (if applicable):

14.2.3. Position and heat protection of engine:

14.2.4. Position and heat protection of the exhaust system:

14.2.5. Type and design of the endurance braking systems heat protection:

14.2.6. Type, design and position of combustion heaters:

14.3. Special requirements for bodywork, if any, according to Directive 94/55/EC

14.3.1. Description of measures to comply with the requirements for Type EX/II and Type EX/III vehicles:

14.3.2. In the case of Type EX/III vehicles, resistance against heat from the outside:

Explanatory notes

(*) Please fill in here the upper and lower values for each variant.

(**) For symbols and marks to be used, see Annex III, items 1.1.3 and 1.1.4 to Directive 77/541/EEC. In the case of 'S' type belts, specify the nature of the type(s).

(***) The information in respect of components need not be given here so long as such information is included in the relevant installation approval certificate.

(+) Vehicles can be fuelled with both petrol and a gaseous fuel but, where the petrol system is fitted for emergency purposes or starting only and of which the petrol tank cannot contain more than 15 litres of petrol, will be regarded for the test as vehicles which can only run a gaseous fuel.

(+++) Only for the purpose of definition of off-road vehicles.

(#) Set out in such a way as to make the actual value clear for each technical configuration of the vehicle type.

(1) Delete where not applicable (there are cases where nothing needs to be deleted when more than one entry is applicable).

(2) Specify the tolerance.

(a) If a part has been type-approved, that part need not be described if reference is made to such approval. Similarly, a part need not be described if its construction is clearly apparent from the attached diagrams or drawings. For each item for which drawings or photographs must be attached, give numbers of the corresponding attached documents.

(b) If the means of identification of type contains characters not relevant to describe the vehicle, component or separate technical unit types covered by this information document, such characters shall be represented in the documentation by the symbol '?' (e.g. ABC??123??).

(c) Classified according to the definitions listed in Schedule II, Section A.

(d) If possible, designation according to Euronorm, otherwise give:

- description of the material,
- yield point,
- ultimate tensile stress,
- elongation (in %),
- Brinell hardness.

(e) Where there is one version with a normal cab and another with a sleeper cab, both sets of masses and dimensions are to be stated.

(f) ISO Standard 612 – 1978, term No 6.4.

(g) ISO Standard 612 – 1978, term No 6.19.2.

(h) ISO Standard 612 – 1978, term No 6.20.

(i) ISO Standard 612 – 1978, term No 6.5.

(j) ISO Standard 612 – 1978, term No 6.1 and for vehicles other than those of category M_1: Directive 97/27/EC, Annex I, Section 2.4.1.

(k) ISO Standard 612 – 1978, term No 6.2 and for vehicles other than those of category M_1: Directive 97/27/EC, Annex I, Section 2.4.2.

(l) ISO Standard 612 – 1978, term No 6.3 and for vehicles other than those of category M_1: Directive 97/27/EC, Annex I, Section 2.4.3.

(m) ISO Standard 612 – 1978, term No 6.6.

(n) ISO Standard 612 – 1978, term No 6.7.

(na) ISO Standard 612 – 1978, term No 6.10.

(nb) ISO Standard 612 – 1978, term No 6.11.

(nc) ISO Standard 612 – 1978, term No 6.9.

(nd) ISO Standard 612 – 1978, term No 6.18.1.

(o) The mass of the driver and, if applicable, of the crew member is assessed at 75 kg (subdivided into 68 kg occupant mass and 7 kg luggage mass according to ISO Standard 2416 – 1992), the fuel tank is filled to 90% and the other liquid containing systems (except those for used water) to 100% of the capacity specified by the manufacturer.

(p) 'Coupling overhang' is the horizontal distance between the coupling for centre-axle

trailers and the centreline of the rear axle(s).

(q) In the case of non-conventional engines and systems, particulars equivalent to those referred to here shall be supplied by the manufacturer.

(r) This figure must be rounded off to the nearest tenth of a millimetre.

(s) This value must be calculated ($\pi = 3{,}1416$) and rounded off to the nearest cm^3.

(t) Determined in accordance with the requirements of Directive 80/1269/EEC.

(u) Determined in accordance with the requirements of Directive 80/1268/EEC.

(v) The specified particulars are to be given for any proposed variants.

(w) A 5% tolerance is permitted.

(x) 'R-point' or 'seating reference point' means a design point defined by the vehicle manufacturer for each seating position and established with respect to the three dimensional reference system as specified in Annex III to Directive 77/649/EEC.

(y) For trailers or semi-trailers, and for vehicles coupled with a trailer or a semi-trailer, which exert a significant vertical load on the coupling device or the fifth wheel, this load, divided by standard acceleration of gravity, is included in the maximum technically permissible mass.

(z) 'Forward control' means a configuration in which more than half of the engine length is rearward of the foremost point of the windshield base and the steering wheel hub in the forward quarter of the vehicle length.

VERŻJONI ELETTRONIKA

Substitutes Schedule II to the principal regulations.

4. Schedule II to the principal regulations shall be substituted the following:-

SCHEDULE II

(Regulation 3)

Definition of vehicle categories and vehicle types

A. DEFINITION OF VEHICLE CATEGORY

Vehicle categories are defined according to the following classification: (Where reference is made to 'maximum mass' in the following definitions, this means 'technically permissible maximum laden mass' as specified in item 2.8 of Schedule I.)

1. Category M: Motor vehicles with at least four wheels designed and constructed for the carriage of passengers.

   Category M_1: Vehicles designed and constructed for the carriage of passengers and comprising no more than eight seats in addition to the driver's seat.

   Category M_2: Vehicles designed and constructed for the carriage of passengers, comprising more than eight seats in addition to the driver's seat, and having a maximum mass not exceeding 5 tonnes.

   Category M_3: Vehicles designed and constructed for the carriage of passengers, comprising more than eight seats in addition to the driver's seat, and having a maximum mass exceeding 5 tonnes.

The types of bodywork and codifications pertinent to the vehicles of category M are defined in Part C of this Schedule, paragraph 1 (vehicles of category M_1) and paragraph 2 (vehicles of categories M_2 and M_3) to be used for the purpose specified in that Part.

2. Category N: Motor vehicles with at least four wheels designed and constructed for the carriage of goods.

   Category N_1: Vehicles designed and constructed for the carriage of goods and having a maximum mass not exceeding 3,5 tonnes.

   Category N_2: Vehicles designed and constructed for the carriage of goods and having a maximum mass exceeding 3,5 tonnes but not exceeding 12 tonnes.

   Category N_3: Vehicles designed and constructed for the carriage of goods and having a maximum mass exceeding 12 tonnes.

In the case of a towing vehicle designed to be coupled to a semi-trailer or centre-axle trailer, the mass to be considered for classifying the vehicle is the mass of the tractor vehicle in running order, increased by the mass corresponding to the maximum static vertical load transferred to the tractor vehicle by the semi-trailer or centre-axle trailer and, where applicable, by the maximum mass of the tractor vehicles own load.

The types of bodywork and codifications pertinent to the vehicles of category N are defined in Part C of this Schedule, paragraph 3, to be used for the purpose specified in that Part.

3. Category O: Trailers (including semi-trailers).

Category O_1: Trailers with a maximum mass not exceeding 0,75 tonnes

Category O_2: Trailers with a maximum mass exceeding 0,75 tonnes but not exceeding 3,5 tonnes.

Category O_3: Trailers with a maximum mass exceeding 3,5 tonnes but not exceeding 10 tonnes.

Category O_4: Trailers with a maximum mass exceeding 10 tonnes.

In the case of a semi-trailer or centre-axle trailer, the maximum mass to be considered for classifying the trailer corresponds to the static vertical load transmitted to the ground by the axle or axles of the semi-trailer or centre-axle trailer when coupled to the towing vehicle and carrying its maximum load.

The types of bodywork and codifications pertinent to the vehicles of category O are defined in Part C of this Schedule, paragraph 4, to be used for the purpose specified in that Part.

4. Off-road vehicles (symbol G)

4.1. Vehicles in category N_1 with a maximum mass not exceeding two tonnes and vehicles in category M_1 are considered to be off-road vehicles if they have:

- at least one front axle and at least one rear axle designed to be driven simultaneously including vehicles where the drive to one axle can be disengaged,

- at least one differential locking mechanism or at least one mechanism having a similar effect and if they can climb a 30% gradient calculated for a solo vehicle.

In addition, they must satisfy at least five of the following six requirements:

- the approach angle must be at least 25 degrees,
- the departure angle must be at least 20 degrees,
- the ramp angle must be at least 20 degrees,
- the ground clearance under the front axle must be at least 180 mm,
- the ground clearance under the rear axle must be at least 180 mm,
- the ground clearance between the axles must be at least 200 mm.

4.2. Vehicles in category N_1 with a maximum mass exceeding 2 tonnes or in category N_2, M_2 or M_3 with a maximum mass not exceeding 12 tonnes are considered to be off-road vehicles either if all their wheels are designed to be driven simultaneously, including vehicles where the drive to one axle can be disengaged, or if the following three requirements are satisfied:

- at least one front and at least one rear axle are designed to be driven simultaneously, including vehicles where the drive to one axle can be disengaged,
- there is at least one differential locking mechanism or at least one mechanism having a similar effect,
- they can climb a 25% gradient calculated for a solo vehicle.

4.3. Vehicles in category M_3 with a maximum mass exceeding 12 tonnes or in category N_3 are to be considered to be off-road vehicles either if the wheels are designed to be driven simultaneously, including vehicles where the drive to one axle can be disengaged, or if the following requirements are satisfied:

- at least half the wheels are driven,
- there is at least one differential locking mechanism or at least one mechanism having a similar effect,
- they can climb a 25% gradient calculated for a solo vehicle,
- at least four of the following six requirements are satisfied:
  - the approach angle must be at least 25 degrees,
  - the departure angle must be at least 25 degrees,
  - the ramp angle must be at least 25 degrees,
  - the ground clearance under the front axle must be at least 250 mm,

- the ground clearance between the axles must be at least 300 mm,
- the ground clearance under the rear axle must be at least 250 mm.

4.4. Load and checking conditions.

4.4.1. Vehicles in category N_1 with a maximum mass not exceeding two tonnes and vehicles in category M_1 must be in running order, namely with coolant fluid, lubricants, fuel, tools, spare-wheel and driver (see footnote (o) in Schedule I).

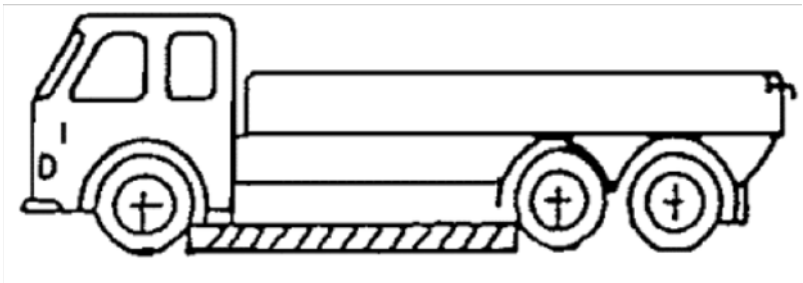
4.4.2. Motor vehicles other than those referred to in 4.4.1 must be loaded to the technically permissible maximum mass stated by the manufacturer.

4.4.3. The ability to climb the required gradients (25% and 30%) is verified by simple calculation. In exceptional cases, however, the technical services may ask for a vehicle of the type concerned to be submitted to it for an actual test.

4.4.4. When measuring approach and departure angles and ramp angles, no account is taken of underrun protective devices.

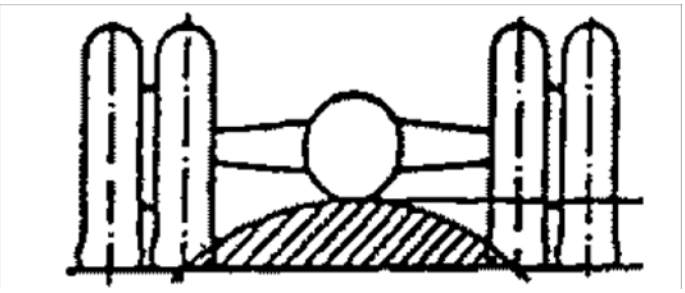
4.5. 'Definitions and sketches of ground clearance. (For definitions of approach angle, departure angle, ramp angle, see Schedule I, footnotes (^{na}), (^{nb}) and (^{nc})).

4.5.1. 'Ground clearance between the axles' means the shortest distance between the ground plane and the lowest fixed point of the vehicle. Multi-axled bogies are considered to be a single axle.



4.5.2. 'Ground clearance beneath one axle' means the distance beneath the highest point of the arc of a circle passing through the centre of the tyre footprint of the wheels on one axle (the inner wheels in the case of twin tyres) and touching the lowest fixed point of the vehicle between the wheels.

No rigid part of the vehicle may project to the shaded area of the diagram. Where appropriate, the ground clearance of several axles is indicated in accordance with their arrangement, for example 280/250/250.



4.6. Combined designation

Symbol 'G' shall be combined with either symbol 'M' or 'N'. For example, a vehicle of category N_1 which is suited for off-road use shall be designated as N_1G.

5. 'Special purpose vehicle' means a vehicle intended to perform a function which requires special body arrangements and/or equipment. This category shall include wheel-chair accessible vehicles.

5.1. 'Motor Caravan' means a special purpose M category vehicle constructed to include living accommodation which contains at least the following equipment:

- seats and table,
- sleeping accommodation which may be converted from the seats,
- cooking facilities, and
- storage facilities.

This equipment shall be rigidly fixed to the living compartment; however, the table may be designed to be easily removable.

5.2. 'Armoured vehicles' means vehicles intended for the protection of conveyed passengers and/or goods and complying with armour plating anti-bullet requirements.

5.3. 'Ambulances' means motor vehicles of category M intended for the transport of sick or injured people and having special equipment for such purpose.

5.4. 'Hearses' means motor vehicles of category M intended for the transport of deceased people and having special equipment for such purpose.

5.5. 'Wheelchair accessible vehicle' means vehicles of category M_1 constructed or converted specifically so that they accommodate one or more person(s) seated in their wheelchair(s) when travelling on the road.

5.6. 'Trailer caravans' see ISO Standard 3833-77, term No 3.2.1.3.

5.7. 'Mobile cranes' means a special purpose vehicle of category N_3, not fitted for the carriage of goods, provided with a crane whose lifting moment is equal to or higher than 400 kNm.

5.8. 'Other special purpose vehicles' means vehicles as defined in item 5 above, with the exception of those mentioned in items 5.1 to 5.6.

The codifications pertinent to 'special purpose vehicles' are defined in Part C of this Schedule, paragraph 5 to be used for the purpose specified in that Part.

B. DEFINITION OF VEHICLE TYPE.

1. For the purposes of category M_1:

A 'type' shall consist of vehicles which do not differ in at least the following essential respects:

- the manufacturer,
- the manufacturer's type designation,
- essential aspects of construction and design:
  - chassis/floor pan (obvious and fundamental differences),
  - power plant (internal combustion/electric/hybrid).

'Variant' of a type means vehicles within a type which do not differ in at least the following essential respects:

- body style (e.g. saloon, hatchback, coupé, convertible, station-wagon, multi-purpose vehicle),
- power plant:
  - working principle (as in item 3.2.1.1 of Schedule III),
  - number and arrangement of cylinders,
  - power differences of more than 30% (the highest is more than 1,3 times the lowest),
  - capacity differences of more than 20% (the highest is more than 1,2 times the lowest),
  - powered axles (number, position, interconnection)

- steered axles (number and position).

'Version' of a variant means vehicles, which consist of a combination of items shown in the information package subject to the requirements in Schedule VIII.

Multiple entries of the following parameters may not be combined within one version:

- technically permissible maximum laden mass
- engine capacity,
- maximum net power
- type of gearbox and number of gears,
- maximum number of seating positions as defined in Schedule II C

2. For the purpose of categories M_2 and M_3:

A 'type' shall consist of vehicles which do not differ in at least the following essential respects:

- the manufacturer,
- the manufacturer's type designation,
- category,
- essential aspects of construction and design:
  - chassis/self-supporting body, single-/double deck, rigid/articulated (obvious and fundamental differences),
  - number of axles
  - power plant (internal combustion/electric/hybrid),

'Variant' of a type means vehicles within a type which do not differ in at least the following essential respects:

- class as defined in Directive 2001/85/EC of the European Parliament and of the Council of 20 November 2001 relating to special provisions for vehicles used for the carriage of passengers comprising more than eight seats in addition to the driver's seat (only for complete vehicles),
- extent of build (e.g. complete/incomplete),

- power plant:
  - working principle (as in item 3.2.1.1 of Schedule III),
  - number and arrangement of cylinders
  - power differences of more than 50% (the highest is more than 1,5 times the lowest),
  - capacity differences of more than 50% (the highest is more than 1,5 times the lowest),
  - location (front, mid, rear),
  - technically permissible maximum laden mass differences of more than 20% (the highest is more than 1,2 times the lowest),
  - powered axles (number, position, interconnection),
  - steered axles (number and position).

'Version' of a variant means vehicles, which consist of a combination of items shown in the information package subject to the requirements in Schedule VIII.

3. For the purpose of categories N_1, N_2 and N_3:

A 'type' shall consist of vehicles which do not differ in at least the following essential respects:

- the manufacturer,
- the manufacturer's type designation,
- category,
- essential aspects of construction and design:
  - chassis/floor pan (obvious and fundamental differences),
  - number of axles
  - power plant (internal combustion/electric/hybrid),

'Variant' of a type means vehicles within a type which do not differ in at least the following essential respects:

- body structural concept (e.g. platform truck/tipper/tanker/semi-trailer towing vehicle) (only for complete vehicles)

- extent of build (e.g. complete/incomplete),
- power plant:
  - working principle (as in item 3.2.1.1 of Schedule III),
  - number and arrangement of cylinders
  - power differences of more than 50% (the highest is more than 1,5 times the lowest),
  - capacity differences of more than 50% (the highest is more than 1,5 times the lowest),
- technically permissible maximum laden mass differences of more than 20% (the highest is more than 1,2 times the lowest),
- powered axles (number, position, interconnection),
- steered axles (number and position),

'Version' of a variant means vehicles, which consist of a combination of items shown in the information package subject to the requirements in Schedule VIII.

4. For the purpose of categories O_1, O_2, O_3 and O_4:

A 'type' shall consist of vehicles which do not differ in at least the following essential respects:

- the manufacturer,
- the manufacturer's type designation,
- category,
- essential aspects of construction and design:
  - chassis/self supporting body (obvious and fundamental differences),
  - number of axles,
  - drawbar trailer/semi-trailer/centre axle trailer,
  - type of braking system (e.g. unbraked/inertia/power).

'Variant' of a type means vehicles within a type which do not differ in at least the following essential respects:

- extent of build (e.g. complete/incomplete),

- body style (e.g. caravans/platform/tanker) (only for complete/completed vehicles),

- technically permissible maximum laden mass differences of more than 20 % (the highest is more than 1,2 times the lowest),

- steered axles (number and position).

'Version' of a variant means vehicles, which consist of a combination of items shown in the information package.

5. For all categories:

Full identification of the vehicle just from the designations of type, variant and version must be consistent with a single accurate definition of all the technical characteristics required for the vehicle to be put into service.

C. DEFINITION OF TYPE OF BODYWORK (only for complete/completed vehicles)

The type of bodywork in Schedule I, Schedule III, Part 1, item 9,1 and in Schedule IX, item 37 shall be indicated by the following codification:

1. Passenger cars (M_1)

AA Saloon	ISO Standard 3833-1977, term No 3.1.1.1, but including also vehicles with more than four side windows.
AB Hatchback	Saloon (AA) with a hatch at the rear end of the vehicle.
AC Station wagon	ISO Standard 3833-1977, term No 3.1.1.4 (estate car)
AD Coupé	ISO Standard 3833-1977, term No 3.1.1.5
AE Convertible	ISO Standard 3833-1977, term No 3.1.1.6
AF Multi-purpose	Motor vehicle other than those mentioned in AA to AE intended for carrying passengers vehicle and their luggage or goods, in a single compartment. However, if such a vehicle meets both of the following conditions:

(i) the number of seating positions, excluding the driver, is not more than six;

a 'seating position' shall be regarded as

existing if the vehicle is provided with 'accessible' seat anchorages;

'accessible' shall mean those anchorages, which can be used. In order to prevent anchorages being 'accessible', the manufacturer shall physically obstruct their use, for example by welding over cover plates or by fitting similar permanent fixtures which cannot be removed by use of normally available tools; and

(ii) $P - (M + N \times 68) > N \times 68$

where:

P = technically permissible maximum laden mass in kg

M = mass in running order in kg

N = number of seating positions excluding the driver.

This vehicle is not considered to be a vehicle of category M_1.

2. Motor vehicles of category M_2 or M_3

Vehicles of Class I (see Directive 2001/85/EC)

CA Single deck

CB Double deck

CC Articulated single deck

CD Articulated double deck

CE Low-floor single deck

CF Low-floor double deck

CG Articulated low-floor single deck

CH Articulated low-floor double deck

Vehicles of Class II (see Directive 2001/85/EC)

CI	Single deck	
CJ	Double deck	
CK	Articulated single deck	
CL	Articulated double deck	
CM	Low-floor single deck	
CN	Low-floor double deck	
CO	Articulated low-floor single deck	
CP	Articulated low-floor double deck	

Vehicles of Class III (see Directive 2001/85/EC)

CQ	Single deck	
CR	Double deck	
CS	Articulated single deck	
CT	Articulated double deck	

Vehicles of Class A (see Directive 2001/85/EC)

CU	Single deck	
CV	Low-floor single deck	

Vehicles of Class B (see Directive 2001/85/EC)

CW	Single deck	

3. Motor vehicles of category N

BA	Lorry	See Directive 97/27/EC of the European Parliament and of the Council of 22 July 1997 relating to the masses and dimensions of certain categories of motor vehicles and their trailers, Schedule I item 2.1.1
BB	Van	Lorry with the cab integrated into the body
BC	Semi-trailer towing vehicle	See Directive 97/27/EC Annex I item 2.1.1

BD Trailer towing vehicle (road tractor) — See Directive 97/27/EC Annex I item 2.1.1

- However, if a vehicle defined as BB with a technically permissible maximum mass not exceeding 3 500 kg:

  - has more than 6 seating positions excluding the driver

    or

  - meets both of the following conditions:

    (i) the number of seating positions, excluding the driver, is not more than 6 and

    (ii) $P - (M + N \times 68) \leq N \times 68$

    this vehicle is not considered to be a vehicle of category N.

- However, if a vehicle defined as BA, BB with a technically permissible maximum mass exceeding 3 500 kg, BC or BD meets at least one of the following conditions:

  (i) the number of seating positions, excluding the driver, is more than 8 or

  (ii) $P - (M + N \times 68) \leq N \times 68$

  this vehicle is not considered to be a vehicle of category N.

  See Part C, item 1 of this Schedule for the definitions of 'seating positions', P, M and N.

4. Vehicles of category O

DA	Semi-trailer	See Directive 97/27/EC Annex I item 2.2.2
DB	Drawbar trailer	See Directive 97/27/EC Annex I item 2.2.3
DC	Centre-axle trailer	See Directive 97/27/EC Annex I item 2.2.4

5. Special purpose vehicles

SA Motor caravans (See Schedule II Part A item 5.1)

SB Armoured vehicles (See Schedule II Part A item 5.2)

SC Ambulances (See Schedule II Part A item 5.3)

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SD Hearses (See Schedule II Part A item 5.4)

SE Trailer caravans (See Schedule II Part A item 5.6)

SF Mobile cranes (See Schedule II Part A item 5.7)

SG Other special purpose vehicles (See Schedule II Part A item 5.8)

SH Wheel-chair accessible vehicle (See Schedule II Part A item 5.5).

VERŻJONI ELETTRONIKA

5. Schedule III to the principal regulations shall be substituted the following:- Substitutes Schedule III to the principal regulations.

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SCHEDULE III

[Regulations 3, 6(2) and (3) and 9(6)]

Information document for the purpose of EC type-approval of vehicles

(For explanatory notes, please refer to last page of Schedule I)

PART I

The following information, if applicable, must be supplied in triplicate and include a list of contents. Any drawings must be supplied in appropriate scale and in sufficient detail on size A4, or on a folder of A4 format. Photographs, if any, must show sufficient detail.

If the systems, components or separate technical units have electronic controls, information concerning their performance must be supplied.

A: For Categories M and N

0. GENERAL

0.1. Make trade name of manufacturer:

0.2. Type: .....

0.2.1. Commercial name(s) (if available):

0.3. Means of identification of type, if marked on the vehicle ([b]): .....

0.3.1. Location of that marking: .....

0.4. Category of vehicle ([c]):

0.4.1. Classification(s) according to the dangerous goods which the vehicle is intended to transport: .....

0.5. Name and address of manufacturer: .....

0.8. Address(es) of assembly plant(s):

0.9. Name and address of the manufacturer's representative (if any):

1. GENERAL CONSTRUCTION CHARACTERISTICS OF THE VEHICLE

1.1. Photographs and/or drawings of a representative vehicle:

1.3. Number of axles and wheels:

1.3.2. Number and position of steered of axles

1.3.3. Powered axles (number, position, interconnection):

1.4. Chassis (if any) (overall drawing):

1.6. Position and arrangement of the engine:

1.8. Hand of drive: left/right ([1])

1.8.1. Vehicle is equipped to be driven in right/left ([1]) hand traffic

2. MASSES AND DIMENSIONS ([e]) (in kg and mm)

(Refer to drawing where applicable)

2.1. Wheelbase(s) (fully loaded) ([f]):

2.3.1. Track of each steered axle ([i]):

2.3.2. Track of all other axles ([i]):

2.4. Range of vehicle dimensions (overall)

2.4.2. For chassis with bodywork

2.4.2.1. Length ([j]):

2.4.2.1.1. Length of the loading area:

2.4.2.2. Width (k):

2.4.2.2.1. Thickness of the walls (in the case of vehicles designed for controlled-temperature transport of goods):

2.4.2.3. Height (in running order) ([l]) (for suspensions adjustable for height, indicate normal running position):

2.6. Mass of the vehicle with bodywork and, in the case of a towing vehicle of a category other than M_1, with coupling device, if fitted by the manufacturer, in running order, or mass of the chassis or chassis with cab, without bodywork and/or coupling device, if the manufacturer does not fit the bodywork and/or coupling device (including liquids, tools, spare wheel, if fitted, and driver and, for buses and coaches, a crew member if there is a crew seat in the vehicle) ([o]) (maximum and minimum for each variant):

2.6.1. Distribution of this mass among the axles and, in the case of a semi-trailer or centre-axle trailer, load on the coupling point (maximum and minimum for each variant):

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2.7. Minimum mass of the completed vehicle as stated by the manufacturer, in the case of an incomplete vehicle:

2.8. Technically permissible maximum laden mass stated by the manufacturer ([y]) ([*]):

2.8.1. Distribution of this mass among the axles and, in the case of a semi-trailer or centre-axle trailer, load on the coupling point ([*]):

2.9. Technically permissible maximum mass on each axle:

2.10. Technically permissible maximum mass on each axle group:

2.11. Technically permissible maximum towable mass of the motor vehicle in case of

2.11.1. Drawbar trailer:

2.11.2. Semi-trailer:

2.11.3. Centre-axle trailer:

2.11.4. Technically permissible maximum mass of the combination

2.11.5. Vehicle is/is not ([1]) suitable for towing loads (item 1.2 of Annex II to Directive 77/389/EEC)

2.11.6. Maximum mass of unbraked trailer

2.12. Technically permissible maximum static vertical load/mass of the vehicle's coupling point

2.12.1. Of the motor vehicle:

2.16. Intended registration/in service maximum permissible masses (optional: where these values are given, they shall be verified in accordance with the requirements of Annex IV to Directive 97/27/EC):

2.16.1. Intended registration/in service maximum permissible towable mass (Several entries possible for each technical configuration ([#])):

2.16.2. Intended registration/in service maximum permissible mass on each axle and, in the case of a semi-trailer or centre-axle trailer, intended load on the coupling point stated by the manufacturer if lower than the technically permissible maximum mass on the coupling point (Several entries possible for each technical configuration ([#])):

2.16.3. Intended registration/in service maximum permissible mass on each axle group (Several entries possible for each technical configuration

(#)):

2.16.4. Intended registration/in service maximum permissible towable mass (Several entries possible for each technical configuration (#)):

2.16.5. Intended registration/in service maximum permissible mass of the combination (Several entries possible for each technical configuration (#)):

3. POWER PLANT (q) (in the case of a vehicle that can run either on petrol, diesel, ..., or also, in combination with another fuel, items shall be repeated (+))

3.1. Manufacturer:

3.1.1. Manufacturer's engine code as marked on the engine

3.2. Internal combustion engine

3.2.1.1. Working principle: positive ignition/compression ignition, four stroke/two stroke (1)

3.2.1.2. Number and arrangement of cylinders

3.2.1.3. Engine capacity (s): ..... cm^3

3.2.1.6. Normal engine idling speed (2): ..... min^{-1}

3.2.1.8. Maximum net power (1) ..... kW at ..... min^{-1} (manufacturer's declared value)

3.2.1.9. Maximum permitted engine speed as prescribed by the manufacturer: ..... min^{-1}

3.2.2. Fuel: Diesel oil/Petrol/LPG/NG/Ethanol: (1)

3.2.2.1. RON, leaded:

3.2.2.2. RON, unleaded

3.2.4. Fuel feed

3.2.4.1. By carburettor(s): yes/no (1)

3.2.4.2. By fuel injection (compression ignition only): yes/no (1)

3.2.4.2.2. Working principle: direct injection/pre-chamber/swirl chamber (1)

3.2.4.3. By fuel injection (positive ignition only): yes/no (1)

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3.2.7.	Cooling system: liquid/air ([1])
3.2.8.	Intake system
3.2.8.1.	Pressure charger: yes/no ([1])
3.2.12.	Measures taken against air pollution
3.2.12.2.	Additional anti-pollution devices (if any, and if not covered by another heading)
3.2.12.2.1.	Catalytic converter: yes/no ([1])
3.2.12.2.2.	Oxygen sensor: yes/no ([1])
3.2.12.2.3.	Air intake injection: yes/no ([1])
3.2.12.2.4.	Exhaust gas recirculation: yes/no ([1])
3.2.12.2.5.	Evaporative emissions control system: yes/no ([1])
3.2.12.2.2.6.	Particulate trap: yes/no ([1])
3.2.12.2.2.7.	On-board-diagnostic (OBD) system: yes/no ([1])
3.2.12.2.2.8.	Other systems (description and operation):
3.2.13.	Location of the absorption coefficient symbol (compression ignition engines only):
3.2.15.	LPG fuelling system: yes/no ([1])
3.2.16.	NG fuelling system: yes/no ([1])
3.3.	Electric motor
3.3.1.	Type (winding, excitation): .....
3.3.1.1.	Maximum hourly output: ..... kW
3.3.1.2.	Operating voltage: V
3.3.2.	Battery
3.3.2.4.	Position:
3.6.5.	Lubricant temperature
	minimum: ..... K

maximum: ..... K

4. TRANSMISSION ([V])

4.2. Type (mechanical, hydraulic, electric, etc.):

4.5. Gearbox

4.5.1. Type (manual/automatic/CVT (continuously variable transmission)) ([1])

4.6. Gear ratios

Gear	Internal gearbox ratios (ratios of engine to gearbox output shaft revolutions)	Final drive ratio(s) (ratio of gearbox output shaft to driven wheel revolutions)	Total gear ratios
Maximum for CVT 1 2 3 ..... Minimum for CVT			
Reverse			

4.7. Maximum vehicle speed (in km/h) ([W]):

5. AXLES

5.1. Description of each axle:

5.2. Make:

5.3. Type: .....

5.4. Position of retractable axle(s):

5.5. Position of loadable axle(s):

6. SUSPENSION

6.2. Type and design of the suspension of each axle or wheel:

6.2.1. Level adjustment: yes/no/optional ([1])

6.2.3. Air-suspension for driving axle(s): yes/no ([1])

6.2.3.1. Suspension of driving axle equivalent to air-suspension: yes/no ([1])

6.2.3.2. Frequency and damping of the oscillation of the sprung mass:

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6.6.1.	Tyre/Wheel combination(s) (for tyres indicate size designation, minimum load-capacity index, minimum speed category symbol; for wheels indicate rim size(s) and off-set(s))
6.6.1.1.	Axles
6.6.1.1.1.	Axle 1:
6.6.1.1.2.	Axle 2:
	etc.
6.6.1.2.	Spare wheel, if any:
6.6.2.	Upper and lower limits of rolling radii
6.6.2.1.	Axle 1:
6.6.2.2.	Axle 2:
	etc.
7.	STEERING
7.2.	Transmission and control
7.2.1.	Type of steering transmission (specify for front and rear, if applicable)
7.2.2.	Linkage to wheels (including other than mechanical means; specify for front and rear, if applicable):
7.2.3.	Linkage to the wheels (including other than mechanical means; specify for front and rear, if applicable):
8.	BRAKES
8.5.	Anti-lock braking system: yes/no/optional ([1])
8.9.	Brief description of the braking systems (according to item 1,6 of the Addendum to Appendix 1 of Annex IX to Directive 71/320/EEC:
8.11.	Particulars of the type(s) of endurance braking system (s)
9.	BODYWORK
9.1.	Type of bodywork:
9.3.	Occupant doors, latches and hinges:

9.3.1. Door configuration and number of doors:

9.9. Devices for different vision

9.9.1. Mirrors (state for each mirror):

9.9.1.1. Make:

9.9.1.2. EC type-approval mark:

9.9.1.3. Variant:

9.9.1.4. Drawing(s) for the identification of the mirror showing the position of the mirror relative to the motor structure:

9.9.1.5. Details of the method of attachment including that part of the vehicle structure to which it is attached:

9.9.1.6. Optional equipment which may affect the rearward field of vision:

9.9.1.7. A brief description of the electronic components (if any) of the adjustment system:

9.9.2. Devices for indirect vision other than mirrors:

9.9.2.1. Type and characteristics (such as a complete description of the device):

9.9.2.1.1. In the case of a camera-monitor device, the detection distance (mm), contrast, luminance range, glare correction, display performance, (black and white/colour), image repetition frequency, luminance reach of the monitor:

9.9.2.1.2. Sufficiently detailed drawings to identify the complete device, including installation instructions; the position for the EC type-approval mark has to be indicated on the drawings.

9.10. Interior fittings

9.10.3. Seats

9.10.3.1 Number:

9.10.3.2. Position and arrangement:

9.10.3.2.1. Number of seating positions:

9.10.3.2.2. Seat(s) designated for use only when the vehicle is stationary:

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9.10.4.1. Type(s) of head restraints: integrated/detachable/separate ([1])

9.10.4.2. Type-approval number(s), if available:

9.12.2. Nature and position of supplementary restraint systems (indicate yes/ no/optional)

(L = left-hand side, R = right-hand side, C = centre))

		Front airbag	Side airbag	Belt pre-loading device
First row of seats	L			
	C			
	R			
Second row of seats ([1])	L			
	C			
	R			

(1) The table may be extended as necessary for vehicles with more than two rows of seats or if there are more than three seats across the width of the vehicle.

9.17. Statutory plates (Directive 76/114/EEC)

9.17.1. Photographs and/or drawings of the locations of the statutory plates and inscriptions and of the vehicle identification number:

9.17.4. Manufacturer's declaration of compliance with the requirement of item 1.1.1 of Annex II to Directive 76/114/EEC

9.17.4.1. The meaning of characters in the second section and, if applicable, in the third section used to comply with the requirements of section 5,3 of ISO Standard 3779-1983 shall be explained:

9.17.4.2. If characters in the second section are used to comply with the requirements of section 5.4 of ISO Standard 3779-1983 these characters shall be indicated:

9.23. Pedestrian protection

9.23.1. A detailed description, including photographs and/or drawings, of the vehicle with respect to the structure, the dimensions, the relevant reference lines and the constituent materials of the frontal part of the vehicle (interior and exterior) shall be provided. This description should include detail of any active protection system installed.

11. CONNECTIONS BETWEEN TOWING VEHICLES AND TRAILERS AND SEMI-TRAILERS

11.1. Class and type of the coupling device(s) fitted or to be fitted:

11.3. Instructions for attachment of the coupling type to the vehicle and photographs or drawings of the fixing points at the vehicle as stated by the manufacturer; additional information, if the use of the coupling type is restricted to certain variants or versions of the vehicle type:

11.4. Information of the fitting of special towing brackets or mounting plates:

11.5. EC type-approval number(s):

12.7.1. vehicle equipped with a 24 GHz short-range radar equipment: Yes/No (strike out which is not applicable).

12.7.2. vehicle equipped with a 79 GHz short-range radar equipment: Yes/No (strike out which is not applicable).

13. SPECIAL PROVISIONS FOR VEHICLES USED FOR THE CARRIAGE OF PASSENGERS COMPRISING MORE THAN EIGHT SEATS IN ADDITION TO THE DRIVER'S SEAT

13.1. Class of vehicle (Class I, Class II, Class III, Class A, Class B):

13.1.1. Chassis types where the EC type-approved bodywork can be installed (manufacturer(s), and vehicle(s) types):

13.3. Number of passengers (seated and standing)

13.3.1. Total (N):

13.3.2. Upper deck (N_a) ([1])

13.3.3. Lower deck (N_b) ([1]):

13.4. Number of passengers (seated)

13.4.1. Total (A):

13.4.2. Upper deck (A_a) ([1]):

13.4.3. Lower deck (A_b) ([1]):

B: For category O

0. GENERAL

0.1. Make (trade name of manufacturer):

0.2. Type:

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0.2.1. Commercial name(s) (if available):

0.3. Means of identification of type, if marked on the vehicle ([b]):

0.3.1. Location of that marking:

0.4. Category of vehicle ([c]):

0.4.1. Classification(s) according to the dangerous goods which the vehicle is intended to transport:

0.5. Name and address of manufacturer:

0.8. Address(es) of assembly plant(s):

0.9. Name and address of the manufacturer's representative (if any): .....

1. GENERAL CONSTRUCTION CHARACTERISTICS OF THE VEHICLE

1.1. Photographs and/or drawings of a representative vehicle:

1.3. Number of axles and wheels:

1.3.2. Number and position of steered axles:

1.4. Chassis (if any) (overall drawing):

2. MASSES AND DIMENSIONS ([e]) (in kg and mm)

(Refer to drawing where applicable)

2.1. Wheelbase(s) (fully loaded) ([f]):

2.3.1. Track of each steered axle ([i]):

2.3.2. Track of all other axles ([i]):

2.4. Range of vehicle dimensions (overall)

2.4.2. For chassis with bodywork

2.4.2.1. Length ([j]):

2.4.2.1.1. Length of the loading area:

2.4.2.2. Width ([k]):

2.4.2.2.1. Thickness of the walls (in the case of vehicles designed for

controlled-temperature transport of goods):

2.4.2.3. Height (in running order) ([l]) (for suspension adjustable for height, indicate normal running position):

2.6. Mass of the vehicle with bodywork and, in the case of a towing vehicle of a category other than M_1, with coupling device, if fitted by the manufacturer, in running order, or mass of the chassis or chassis with cab, without bodywork and/or coupling device if the manufacturer does not fit the bodywork and/or coupling device (including liquids, tools, spare wheel, if fitted, and driver and, for buses and coaches, a crew member if there is a crew seat in the vehicle) ([o]) (maximum and minimum for each variant):

2.6.1. Distribution of this mass among the axles and, in the case of a semi-trailer or centre-axle trailer, load on the coupling point (maximum and minimum for each variant):

2.7. Minimum mass of the completed vehicle as stated by the manufacturer, in the case of an incomplete vehicle:

2.8. Technically permissible maximum laden mass stated by the manufacturer ([y]) ([*]):

2.8.1. Distribution of this mass among the axles, and in the case of a semi-trailer or centre-axle trailer, load on the coupling point ([*]):

2.9. Technically permissible maximum mass on each axle:

2.10. Technically permissible maximum mass on each axle group:

2.12. Technically permissible maximum static vertical load/mass on the vehicle's coupling point

2.12.2. Of the semi-trailer or centre-axle trailer:

2.16. Intended registration/in service maximum permissible masses (optional: where these values are given, they shall be verified in accordance with the requirements of Annex IV to Directive 97/27/EC):

2.16.1. Intended registration/in service maximum permissible laden mass (Several entries possible for each technical configuration ([#])):

2.16.2. Intended registration/in service maximum permissible mass on each axle and, in the case of a semi-trailer or centre-axle trailer, intended load on the coupling point stated by the manufacturer if lower than the technically permissible maximum mass on the coupling point

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(Several entries possible for each technical configuration (#)):

2.16.3. Intended registration/in service maximum permissible mass on each axle group (Several entries possible for each technical configuration (#)):

2.16.4. Intended registration/in service maximum permissible towable mass (Several entries possible for each technical configuration (#)):

2.16.5. Intended registration/in service maximum permissible mass of the combination (Several entries possible for each technical configuration (#)):

5. AXLES

5.1. Description of each axle:

5.2. Make:

5.3. Type: .....

5.4. Position of retractable axle(s):

5.5. Position of loadable axle(s):

6. SUSPENSION

6.2. Type and design of the suspension of each axle or wheel:

6.2.1. Level adjustment: yes/no/optional (1)

6.6.1. Tyre/wheel combination(s) (for tyres indicate size designation, minimum load-capacity index, minimum speed category symbol; for wheels indicate rim size(s) and off-set(s))

6.6.1.1. Axles

6.6.1.1.1. Axle 1:

6.6.1.1.2. Axle 2:

etc.

6.6.1.2. Spare wheel, if any:

6.6.2. Upper and lower limit of rolling radii

6.6.2.1. Axle 1:

6.6.2.2. Axle 2:

etc.

7. STEERING

7.2. Transmission and control

7.2.1. Type of steering transmission (specify for front and rear, if applicable):

7.2.2. Linkage to the wheels (including other than mechanical means; specify for front and rear, if applicable):

7.2.3. Method of assistance, if any:

8. BRAKES

8.5. Antilock braking system: yes/no/optional ([1])

8.9. Brief description of the braking devices (according to item 1.6 of the addendum to Appendix 1 of Annex IX to Directive 71/320/EEC):

9. BODYWORK

9.1. Type of bodywork:

9.17. Statutory plates (Directive 76/114/EEC)

9.17.1. Photographs and/or drawings of the locations of the statutory plates and inscriptions and of the vehicle identification number:

9.17.4. Manufacturer's declaration of compliance with the requirement of item 1.1.1 of Annex II to Directive 76/114/EEC

9.17.4.1. The meaning of characters in the second section and, if applicable, in the third section used to comply with the requirements of section 5.3 of ISO Standard 3779-1983 shall be explained:

9.17.4.2. If characters in the second section are used to comply with the requirements of section 5.4 of ISO Standard 3779-1983 these characters shall be indicated:

11. CONNECTIONS BETWEEN TOWING VEHICLES AND TRAILERS AND SEMI-TRAILERS

1.1. Class and type of the coupling device(s) fitted or to be fitted:

11.5. EC type-approval number(s):

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PART II

Matrix showing the permissible combinations into vehicle versions of those items in Part I for which there are multiple entries. For those multiple entry items each entry is denoted by a prefix letter which will be used in this matrix to denote which entry (or entries) from a particular item are applicable to a particular version.

A separate matrix must be compiled for each variant within the type.

Multiple entries for which there are no restrictions on their combination within a variant should be listed in the column headed ‘all’.

Item No	All	Version 1	Version 2	Etc.	Version No

This information may be presented in an alternative format or layout so long as the original purpose is fulfilled.

Each variant and each version must be identified by a numerical code or number consisting of a combination of letters and numbers, which must also be indicated in the certificate of conformity (Schedule IX) of the vehicle concerned.

In the case of (a) variant(s) pursuant to Schedule XI or to regulation 20 the manufacturer shall assign a special code.

PART III

Type-approval numbers

Supply the information required by the following table in respect of the applicable subjects (***) for this vehicle in Schedule IV or Schedule XI. (All relevant approvals for each subject must be included)

Subject	Type-approval number	Member State or Contracting Party (+) issuing the type-approval (++)	Extension date	Variant(s)/ Version(s)

(+) Contracting Parties to the Revised 1958 Agreement.

(++) To be indicated if not obtainable from the type-approval number.

Signed:

Position in company:

Date:

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Substitutes Schedule IV to the principal regulations.

6. Schedule IV to the principal regulations shall be substituted the following:-

SCHEDULE IV

[Regulations 3, 6(2) and (3), 9(1)(a) and (2), 10(1) and (2), 11(1), 12(2)(b), 20(1), 21(1), 25(3), 28(1), 29(1) and (3), 30(1), 32(2), (3)(a) and (b) and (4), and 35(3)]

List of requirements for the purpose of EC type-approval of vehicles

PART I

List of regulatory acts

(As appropriate, taking account of the scope and latest amendment to each of the regulatory acts listed below. In respect of United Nations Economic Commission for Europe (UNECE) Regulations, the reference for the regulatory act shows the relevant series of amendments of the UNECE Regulations to which the Community has acceded.)

	Subject	Regulatory act reference	Official Journal reference	Applicability									
				M_1	M_2	M_3	N_1	N_2	N_3	O_1	O_2	O_3	O_4
1	Sound levels	70/157/EEC	L 42, 23.2.1970, p. 16.	X	X	X	X	X	X				
2	Emissions	70/220/EEC	L 76, 6.4.1970, p. 1.	X	X	X	X	X	X				
3	Fuel tanks/rear protective devices	70/221/EEC	L 76, 6.4.1970, p. 23.	X([5])	X([5])	X([5])	X([5])	X([5])	X([5])	X	X	X	X
4	Rear registration plate space	70/222/EEC	L 76, 6.4.1970, p. 25.	X	X	X	X	X	X	X	X	X	X
5	Steering effort	70/311/EEC	L 133, 18.6.1970, p. 10.	X	X	X	X	X	X	X	X	X	X
6	Door latches and hinges	70/387/EEC	L 176, 10.8.1970, p. 5.	X			X	X	X				
7	Audible warning	70/388/EEC	L 176, 10.8.1970, p. 12.	X	X	X	X	X	X				
8	Indirect vision devices	2003/97/EC ([8])	L 25, 29.1.2004, p. 1.	X	X	X	X	X	X				
9	Braking	71/320/EEC	L 202, 6.9.1971, p. 37.	X	X	X	X	X	X	X	X	X	X
10	Suppression (radio)	72/245/EEC	L 152, 6.7.1972, p. 15.	X	X	X	X	X	X	X	X	X	X
11	Diesel smoke	72/306/EEC	L 190, 20.8.1972, p. 1.	X	X	X	X	X	X				
12	Interior fittings	74/60/EEC	L 38, 11.2.1974, p. 2.	X									
13	Anti-theft and immobiliser	74/61/EEC	L 38, 11.2.1974, p. 22.	X	X	X	X	X	X				
14	Protective steering	74/297/EEC	L 165, 20.6.1974, p. 16.	X			X						
15	Seat strength	74/408/EEC	L 221, 12.8.1974, p. 1.	X	X	X	X	X	X				
16	Exterior projections	74/483/EEC	L 256, 2.10.1974, p. 4.	X									
17	Speedometer and reverse gear	75/443/EEC	L 196, 26.7.1975, p. 1.	X	X	X	X	X	X				

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	Subject	Regulatory act reference	Official Journal reference	Applicability									
				M_1	M_2	M_3	N_1	N_2	N_3	O_1	O_2	O_3	O_4
18	Plates (statutory)	76/114/EEC	L 24, 30.1.1976, p. 1.	X	X	X	X	X	X	X	X	X	X
19	Seat belt anchorages	76/115/EEC	L 24, 30.1.1976, p. 6.	X	X	X	X	X	X				
20	Installation of lighting and light signalling devices	76/756/EEC	L 262, 27.9.1976, p. 1.	X	X	X	X	X	X	X	X	X	X
21	Retro reflectors	76/757/EEC	L 262, 27.9.1976, p. 32.	X	X	X	X	X	X	X	X	X	X
22	End-outline, front-position (side), rear-position (side), stop, side marker, daytime running lamps	76/758/EEC	L 262, 27.9.1976, p. 54.	X	X	X	X	X	X	X	X	X	X
23	Direction indicators	76/759/EEC	L 262, 27.9.1976, p. 71.	X	X	X	X	X	X	X	X	X	X
24	Rear registration plate lamps	76/760/EEC	L 262, 27.9.1976, p. 85.	X	X	X	X	X	X	X	X	X	X
25	Headlamps (including bulbs)	76/761/EEC	L 262, 27.9.1976, p. 96.	X	X	X	X	X	X				
26	Front fog lamps	76/762/EEC	L 262, 27.9.1976, p. 122.	X	X	X	X	X	X				
27	Towing hooks	77/389/EEC	L 145, 13.6.1977, p. 41.	X	X	X	X	X	X				
28	Rear fog lamps	77/538/EEC	L 220, 29.8.1977, p. 60.	X	X	X	X	X	X	X	X	X	X
29	Reversing lamps	77/539/EEC	L 220, 29.8.1977, p. 72.	X	X	X	X	X	X	X	X	X	X
30	Parking lamps	77/540/EEC	L 220, 29.8.1977, p. 83.	X	X	X	X	X	X				
31	Seat belts and restraint systems	77/541/EEC	L 220, 29.8.1977, p. 95.	X	X	X	X	X	X				
32	Forward vision	77/649/EEC	L 267, 19.10.1977, p. 1.	X									
33	Identification of controls	78/316/EEC	L 81, 28.3.1978, p. 3.	X	X	X	X	X	X				
34	Defrost/demist	78/317/EEC	L 81, 28.3.1978, p. 27.	X	(1)	(1)	(1)	(1)	(1)				
35	Wash/wipe	78/318/EEC	L 81, 28.3.1978, p. 49.	X	(2)	(2)	(2)	(2)	(2)				
36	Heating systems	2001/56/EC	L 292, 9.11.2001, p. 21.	X	X	X	X	X	X	X	X	X	X
37	Wheel guards	78/549/EEC	L 168, 26.6.1978, p. 45.	X									
38	Head restraints	78/932/EEC	L 325, 20.11.1978, p. 1.	X									
39	CO_2 emissions/ fuel consumption	80/1268/ EEC	L 375, 31.12.1980, p.36.	X			X						
40	Engine power	80/1269/ EEC	L 375, 31.12.1980, p.46.	X	X	X	X	X	X				
41	Diesel emissions	88/77/EEC	L 36, 9.2.1988, p. 33.	X	X	X	X	X	X				

	Subject	Regulatory act reference	Official Journal reference	Applicability									
				M_1	M_2	M_3	N_1	N_2	N_3	O_1	O_2	O_3	O_4
42	Lateral protection	89/297/EEC	L 124, 5.5.1989, p. 1.					X	X			X	X
43	Spray-suppression systems	91/226/EEC	L 103, 23.4.1991, p. 5.					X	X			X	X
44	Masses and dimensions (cars)	92/21/EEC	L 129, 14.5.1992, p. 1.	X									
45	Safety glass	92/22/EEC	L 129, 14.5.1992, p. 11.	X	X	X	X	X	X	X	X	X	X
46	Tyres	92/23/EEC	L 129, 14.5.1992, p. 95.	X	X	X	X	X	X	X	X	X	X
47	Speed limiters	92/24/EEC	L 129, 14.5.1992, p. 154.			X		X	X				
48	Masses and dimensions (other than vehicles referred to in item 44)	97/27/EC	L 233, 28.8.1997, p. 1.		X	X	X	X	X	X	X	X	X
49	External projections of cabs	92/114/EEC	L 409, 31.12.1992, p.17.				X	X	X				
50	Couplings	94/20/EC	L 195, 29.7.1994, p. 1.	X(3)	X(3)	X(3)	X(3)	X(3)	X(3)	X	X	X	X
51	Flammability	95/28/EC	L 281, 23.11.1995, p. 1.			X							
52	Buses and coaches	2001/85/EC	L 42, 13.2.2002, p. 1.		X	X							
53	Frontal impact	96/79/EC	L 18, 21.1.1997, p. 7.	X									
54	Side impact	96/27/EC	L 169, 8.7.1996, p. 1.	X			X						
55													
56	Vehicles intended for the transport of dangerous goods	98/91/EC	L 11, 16.1.1999, p. 25.				X(4)	X(4)	X(4)	X(4)	X(4)	X(4)	X(4)
57	Front underrun protection	2000/40/EC	L 203, 10.8.2000, p. 9.					X	X				
58	Pedestrian protection	2003/102/EC	L 321, 6.12.2003, p. 15.	X(6)			X(6)(7)						

X: Regulatory act applicable.

(1) Vehicles of this category shall be fitted with an adequate windscreen defrosting and demisting device.

(2) Vehicles of this category shall be fitted with adequate windscreen washing and wiping devices.

(3) The requirements of Directive 94/20/EC are only applicable for vehicles equipped with couplings.

(4) The requirements of Directive 98/91/EC are only applicable when the manufacturer applies for the EC type-approval of a vehicle intended for the transport of dangerous goods.

(5) In case of LPG or CNG vehicles, pending the adoption of the relevant amendments to Directive 70/221/EEC in order to include LPG and CNG tanks, a vehicle approval in accordance with UNECE Regulation 67-01 or 110 is required.

(6) Not exceeding 2,5 tonnes maximum mass.

(7) Derived from M_1 category vehicles.

(8) Until the dates referred-to in Article 2 of Directive 2003/97/EC, approvals granted in accordance with Directive 71/127/EEC shall remain valid for the purpose of whole vehicle type approval.

Appendix

List of requirements for EC type-approval of vehicles belonging to the category M_1, produced in small series.

(As appropriate, taking account of the latest amendment to each of the regulatory acts listed below)

	Subject	Regulatory act reference	Official Journal reference	M_1
1	Sound level	70/157/EEC	L 42, 23.2.1970, p. 16.	A
2	Emissions with the exception of the whole set of requirements relating to On Board Diagnostics (OBDs)	70/220/EEC	L 76, 6.4.1970, p. 1.	A
3	Fuel tanks/Rear protective devices	70/221/EEC	L 76, 6.4.1970, p. 23.	B
4	Rear registration plate space	70/222/EEC	L 76, 6.4.1970, p. 25.	B
5	Steering effort	70/311/EEC	L 133, 18.6.1970, p. 10.	C
6	Door latches and hinges	70/387/EEC	L 176, 10.8.1970, p. 5.	C
7	Audible warning	70/388/EEC	L 176, 10.8.1970, p. 12.	B
8	Indirect vision devices	2003/97/EC ([5])	L 25, 29.1.2004, p. 1.	X([2]) B([4])
9	Braking	71/320/EEC	L 202, 6.9.1971, p. 37.	A
10	Suppression (radio)	72/245/EEC	L 152, 6.7.1972, p. 15.	A([1]) C([3])
11	Diesel smoke	72/306/EEC	L 190, 20.8.1972, p. 1.	A
12	Interior fittings	74/60/EEC	L 38, 11.2.1974, p. 2.	C
13	Anti-theft and immobiliser	74/61/EEC	L 38, 11.2.1974, p. 22.	A
14	Protective steering	74/297/EEC	L 165, 20.6.1974, p. 16.	C
15	Seat strength	74/408/EEC	L 221, 12.8.1974, p. 1.	C
16	Exterior projections	74/483/EEC	L 266, 2.10.1974, p. 4.	C
17	Speedometer and reverse gear	75/443/EEC	L 196, 26.7.1975, p. 1.	B
18	Plates (statutory)	76/114/EEC	L 24, 30.1.1976, p. 1.	B
19	Seat belt anchorages	76/115/EEC	L 24, 30.1.1976, p. 6.	B
20	Installation of lighting and light signalling devices	76/756/EEC	L 262, 27.9.1976, p. 1.	B
21	Retro reflectors	76/757/EEC	L 262, 27.9.1976, p. 32.	X
22	End-outline, front position (side), rear-position (side), stop, side marker, daytime running lamps	76/758/EEC	L 262, 27.9.1976, p. 54.	X
23	Direction indicators	76/759/EEC	L 262, 27.9.1976, p. 71.	X

Subject		Regulatory act reference	Official Journal reference	M_1
24	Rear registration plate lamps	76/760/EEC	L 262, 27.9.1976, p. 85.	X
25	Headlamps (including bulbs)	76/761/EEC	L 262, 27.9.1976, p. 96.	X
26	Front fog lamps	76/762/EEC	L 262, 27.9.1976, p. 122.	X
27	Towing hooks	77/389/EEC	L 145, 13.6.1977, p. 41.	B
28	Rear fog lamps	77/538/EEC	L 220, 29.8.1977, p. 60.	X
29	Reversing lamps	77/539/EEC	L 220, 29.8.1977, p. 72.	X
30	Parking lamps	77/540/EEC	L 220, 29.8.1977, p. 83.	X
31	Seat belts and restraint systems	77/541/EEC	L 220, 29.8.1977, p. 95.	A(2) B(4)
32	Forward vision	77/649/EEC	L 267, 19.10.1977, p. 1.	A
33	Identification of controls	78/316/EEC	L 81, 28.3.1978, p. 3.	X
34	Defrost/Demist	78/317/EEC	L 81, 28.3.1978, p. 27.	C
35	Wash/Wipe	78/318/EEC	L 81, 28.3.1978, p. 49.	C
36	Heating system	2001/56/EC	L 292, 9.11.2001, p. 21.	C
37	Wheel guards	78/549/EEC	L 168, 26.6.1978, p. 45.	B
39	Fuel consumption	80/1268/EEC	L 375, 31.12.1980, p. 36.	A
40	Engine power	80/1269/EEC	L 375, 31.12.1980, p. 46.	C
41	Diesel emissions	88/77/EEC	L 36, 9.2.1988, p. 33.	A
44	Masses and dimensions (cars)	92/21/EEC	L 129, 14.5.1992, p. 1.	C
45	Safety glass	92/22/EEC	L 129, 14.5.1992, p. 11.	X(2) B(4)
46	Tyres	92/23/EEC	L 129, 14.5.1992, p. 95.	X(2) B(4)
50	Couplings	94/20/EC	L 195, 29.7.1994, p. 1.	X(2) A(4)
53	Frontal impact	96/79/EC	L 18, 21.1.1997, p. 7.	N/A
54	Side impact	96/27/EC	L 169, 8.7.1996, p. 1.	N/A
58	Pedestrian protection	2003/102/EC	L 321, 6.12.2003, p. 15.	N/A

(1) Electronic sub-assembly

(2) Component

(3) Vehicle

(4) Installation prescriptions

(5) Until 26 January 2006 approvals according Directive 71/127/EEC can be accepted as alternative.

Key

X: Full compliance with regulatory act is required; EC type-approval certificate has to be issued; conformity of production shall be ensured.

A: No exemptions permitted except those specified in the regulatory act. Type-approval certificate and type-approval mark are not required. Test reports have to be established by a notified technical service.

B: The technical prescriptions of the regulatory act have to be fulfilled. The tests

provided for in the regulatory act have to be performed in their entirety; subject to the agreement of the approval authority, they may be performed by the manufacturer himself; he may be allowed to issue the technical report; a type-approval certificate does not have to be issued and type-approval is not required.

C: The manufacturer has to demonstrate to the satisfaction of the approval authority that the essential requirements of the regulatory act are fulfilled.

N/A: This regulatory act is not applicable (no requirements).

PART II

Where reference is made to a separate directive or regulation, an approval issued under the following UNECE Regulations (taking account of the scope ([1]), and the amendment to each of the UNECE Regulations listed below) shall be recognised as an alternative to an EC type-approval granted under the relevant separate directive or regulation in the table of Part I.

These UNECE Regulations are the ones to which the Community has adhered as a Contracting Party to the United Nations Economic Commission for Europe 'Revised 1958 Geneva Agreement' by virtue of Council Decision 97/836/EC, or subsequent Council decisions as referred to in Article 3(3) of that Decision.

Any further amendment of the UNECE Regulations listed below has also to be deemed to be equivalent, subject to the Community decision as referred to in Article 4(2) of Decision 97/836/EC ([++]).

	Subject	Basic UNECE Regulation Number	Series of amendments
1	Sound levels	51	02
1	Replacement silencing systems	59	00
2	Emissions	83	03
2	Replacement catalytic converters	103	00
3	Rear protective device	58	01
3	Fuel tanks	34	01
3	Fuel tanks	67	01
3	Fuel tanks	110	00
5	Steering effort	79	01
6	Door latches and hinges	11	02
7	Audible warning	28	00
8	Rear view mirrors	46	01
8A	Devices for indirect vision	46	02

	Subject	Basic UNECE Regulation Number	Series of amendments
9	Braking	13	09
9	Braking	13H	00
9	Braking (lining)	90	01
10	Radio suppression	10	02
11	Diesel smoke	24	03
12	Interior fittings	21	01
13	Anti-theft	18	02
13	Immobiliser	97	00
13	Alarm systems	97	00
13	Unauthorised use	116	00
14	Behaviour of steering device under impact	12	03
15	Seat strength	17	06
15	Seat strength (buses and coaches)	80	01
16	Exterior projections	26	02
17	Speedometer	39	00
19	Seat belt anchorages	14	04
20	Installation of lighting and light signalling devices	48	01
21	Retro reflectors	3	02
22	End-outline/front-position (side)/rear-position (side)/stop lamps	7	02
22	Daytime running lamps	87	00
22	Side marker lamps	91	00
23	Direction indicators	6	01
24	Rear registration plate lamp	4	00
25	Headlamps (R_2 and HS_1)	1	
25	Headlamps (sealed beam)	5	02
25	Headlamps (H_1, H_2, H_3, HB_3, HB_4, H_7, and/or H_8)	8	04
25	Headlamps (H_4)	20	
25	Headlamps (halogen sealed beam)	31	02
25	Filament lamps for use in approved lamp units	37	03
25	Headlamps with gas-discharge light sources	98	00
25	Gas-discharge light sources for use in approved gas-discharge lamp units	99	00
26	Front fog lamps	19	02
28	Rear fog lamps	38	00
29	Reversing lamps	23	00

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	Subject	Basic UNECE Regulation Number	Series of amendments
30	Parking lamps	77	00
31	Seat belts and restraint systems	16	04
31	Child restraints	44	03
38	Head restraints (combined with seats)	17	06
38	Head restraints	25	04
39	Fuel consumption	101	00
40	Engine power	85	00
41	Diesel emission	49	02
42	Lateral protection	73	00
45	Safety glass	43	00
46	Tyres, motor vehicles and their trailers	30	02
46	Tyres, commercial vehicles and their trailers	54	00
46	Temporary-use spare wheels/tyres	64	00
46	Rolling sound	117	00
47	Speed limiters	89	00
50	Couplings	55	01
51	Flammability	118	00
52	Strength of superstructure (buses)	66	00
53	Frontal impact	94	01
54	Side impact	95	02
55	Front underrun protection	93	00

([1]) Where the separate directive or regulation contains installation requirements, these apply also to components and separate technical units approved in accordance with the UNECE Regulations.

([++]) For subsequent amendments, see UNECE TRANS/WP.29/343 in its latest revision.

VERŻJONI ELETTRONIKA

7. Schedule VI to the principal regulations shall be substituted the following:- Substitutes Schedule VI to the principal regulations.

B 4598

SCHEDULE VI

[Regulation 9(7)]

MODEL A

Maximum format: A4 (210 × 297 mm)

EC TYPE-APPROVAL CERTIFICATE

Stamp of EC type- approval authority

Communication concerning:	Of a type of:
EC type-approval ([1]) extension	complete vehicle ([1])
of EC type-approval ([1]) refusal	completed vehicle ([1])
of EC type-approval ([1]) withdrawal	incomplete vehicle ([1])
of EC type-approval ([1])	vehicle with complete and incomplete variants ([1])
	vehicle with completed and incomplete variants ([1])

with regard to Directive 2007/46/EC EC type-approval number:

Reason for extension:

SECTION I

0.1. Make (trade name of manufacturer):

0.2. Type:

0.2.1. Commercial name(s) ([2]):

0.3. Means of identification of type, if marked on the vehicle:

0.3.1. Location of that marking:

0.4. Category of vehicle ([3]):

0.5. Name and address of manufacturer of the complete vehicle ([1]):

Name and address of manufacturer of the base vehicle ([1]) ([4]):

Name and address of manufacturer of the latest built stage of the incomplete vehicle ([1]) ([4]):

Name and address of manufacturer of the completed vehicle ([1]) ([4]):

0.8. Name(s) and address(es) of assembly plant(s):

0.9. Name and address of the manufacturer's representative (if any):

---

(1) Delete where not applicable.

(2) If not available at the time of granting the type-approval, this item shall be completed at the latest when the vehicle is introduced on the market.

(3) As defined in Schedule II.A.

(4) See side 2.

SECTION II

The undersigned hereby certifies the accuracy of the manufacturer's description in the attached information document of the vehicle(s) described above ((a) sample(s) having been selected by the EC type-approval authority and submitted by the manufacturer as prototype(s) of the vehicle type) and that the attached test results are applicable to the vehicle type.

1. For complete and completed vehicles/variants ([1]):

The vehicle type meets/does not meet ([1]) the technical requirements of all the relevant regulatory acts as prescribed in Schedule IV and Annex XI ([1]) ([2]) to the Directive.

2. For incomplete vehicles/variants ([1]):

The vehicle type meets/does not meet ([1]) the technical requirements of the regulatory acts listed in the table on side 2.

3. The approval is granted/refused/withdrawn ([1]).

4. The approval is granted in accordance with regulation 20 and the validity of the approval is thus limited to dd/mm/yy.

(Place) (Signature) (Date)

Attachments: Information package.

Test results (see Schedule VIII).

Name(s) and specimen(s) of the signature(s) of the person(s) authorised to sign certificates of conformity and a statement of their position in the company.

NB: If this model is used for type-approval pursuant to regulations 20, 22 or 23, it may not bear the heading 'EC Vehicle Type-Approval Certificate', except:

- in the case mentioned in regulation 20 where the Commission has decided to allow a Member State to grant a type-approval in accordance with the Directive,

- in the case of vehicles of the category M_1, type-approved according to the procedure prescribed in regulation 21.

B 4600

(1) Delete where not applicable.

(2) See side 2.

EC VEHICLE TYPE-APPROVAL CERTIFICATE

Side 2

This EC type-approval is, where incomplete and completed vehicles or variants are concerned, based on the approval(s) for incomplete vehicles listed below:

Stage 1: Manufacturer of the base vehicle:

EC type-approval number:

Dated:

Applicable to variants:

Stage 2: Manufacturer:

EC type-approval number:

Dated:

Applicable to variants:

Stage 3: Manufacturer:

EC type-approval number:

Dated:

Applicable to variants:

In the case where the approval includes one or more incomplete variants, list those variants which are complete or completed.

Complete/completed variant(s):

List of requirements applicable to the approved incomplete vehicle type or variant (as appropriate, taking account of the scope and latest amendment to each of the regulatory acts listed below).

Item	Subject	Regulatory act reference	Last amended	Applicable to variants

(List only subjects for which a EC type-approval exists.)

In the case of special purpose vehicles, exemptions granted or special provisions applied pursuant to Schedule XI and exemptions granted pursuant to regulation 20:

Regulatory act reference	Item number	Kind of approval and nature of exemption	Applicable to variants

Appendix

List of regulatory acts to which the type of vehicle complies (to be filled in only in the case of type-approval in accordance with regulation 6(3)

Subject	Regulatory act reference ([1])	As amended by	Applicable to variants
1. Sound levels	70/157/EEC		
2. Emissions	70/220/EEC		
3. Fuel tanks/Rear protective devices	70/221/EEC		
4. Rear registration plate space	70/222/EEC		
5. Steering effort	70/311/EEC		
6. Door latches and hinges	70/387/EEC		
7. Audible warning	70/388/EEC		
8. Rear visibility	71/127/EEC		
8A. Indirect vision devices	2003/97/EC		
9. Braking	71/320/EEC		
10. Suppression (radio)	72/245/EEC		
11. Diesel smoke	72/306/EEC		
12. Interior fittings	74/60/EEC		
13. Anti-theft and immobiliser	74/61/EEC		
14. Protective steering	74/297/EEC		
15. Seat strength	74/408/EEC		
16. Exterior projections	74/483/EEC		
17. Speedometer and reverse gear	75/443/EEC		
18. Plates (statutory)	76/114/EEC		
19. Seat belt anchorages	76/115/EEC		
20. Installation of lighting and light signalling devices	76/756/EEC		
21. Retro reflectors	76/757/EEC		
22. End-outline, front-position (side), rear-position (side), stop, side marker, daytime running lamps	76/758/EEC		
23. Direction indicators	76/759/EEC		
24. Rear registration plate lamps	76/760/EEC		

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Subject	Regulatory act reference ([1])	As amended by	Applicable to variants
25. Headlamps (including bulbs)	76/761/EEC		
26. Front fog lamps	76/762/EEC		
27. Towing hooks	77/389/EEC		
28. Rear fog lamps	77/538/EEC		
29. Reversing lamps	77/539/EEC		
30. Parking lamps	77/540/EEC		
31. Seat belts and restraint systems	77/541/EEC		
32. Forward vision	77/649/EEC		
33. Identification of controls	78/316/EEC		
34. Defrost/Demist	78/317/EEC		
35. Wash/Wipe	78/318/EEC		
36. Heating systems	2001/56/EC		
37. Wheel guards	78/549/EEC		
38. Head restraints	78/932/EEC		
39. CO_2 emissions/Fuel consumption	80/1268/EEC		
40. Engine power	80/1269/EEC		
41. Diesel emissions	88/77/EEC		
42. Lateral protection	89/297/EEC		
43. Spray-suppression systems	91/226/EEC		
44. Masses and dimensions (cars)	92/21/EEC		
45. Safety glass	92/22/EEC		
46. Tyres	92/23/EEC		
47. Speed limiters	92/24/EEC		
48. Masses and dimensions (other than vehicles referred to in item 44)	97/27/EC		
49. External projections of cabs	92/114/EEC		
50. Couplings	94/20/EC		
51. Flammability	95/28/EC		
52. Buses and coaches	2001/85/EC		
53. Frontal impact	96/79/EC		
54. Side impact	96/27/EC		
55. Vehicles intended for the transport of dangerous goods	98/91/EC		
56. Front underrun protection	2000/40/EC		
57. Pedestrian protection	2003/102/EC		

([1]) Or UNECE Regulations that are deemed to be equivalent.

B 4603

MODEL B

(to be used for system type-approval or vehicle type-approval with regard to a system)

Maximum format: A4 (210 × 297 mm)

EC TYPE-APPROVAL CERTIFICATE

Stamp of EC type- approval authority

Communication concerning:

EC type-approval ([1])

extension of EC type-approval ([1])

a type of system/type of a vehicle with regard to a system ([1])

refusal of EC type-approval ([1])

withdrawal of of EC type-approval ([1])

with regard to Directive ...../...../EC/Regulation (EC) No ...../..... ([1]), as last amended by Directive ...../...../EC/Regulation (EC) No ...../..... ([1])

EC type-approval number:

Reason for extension:

SECTION I

0.1. Make (trade name of manufacturer):

0.2. Type:

0.2.1. Commercial name(s) (if available):

0.3. Means of identification of type, if marked on the vehicle ([2]):

0.3.1. Location of that marking:

0.4. Category of vehicle ([3]):

0.5. Name and address of manufacturer :

0.8. Name(s) and address(es) of assembly plant(s):

0.9. Representative of the manufacturer:

---

(1) Delete where not applicable.

(2) If the means of identification of type contains characters not relevant to describe the vehicle, component or

separate technical unit types covered by this information document, such characters shall be represented in the documentation by the symbol '?' (e.g. ABC??123??).

(3) As defined in Schedule II.A.

SECTION II

1. Additional information (where applicable): see Addendum

2. Technical service responsible for carrying out the tests:

3. Date of test report:

4. Number of test report:

5. Remarks (if any): see Addendum

6. Place:

7. Date:

8. Signature:

Attachments: Information package.

Test report.

Addendum to EC type-approval certificate No …

1. Additional information

1.1. […]:

1.1.1. […]:

[…]

2. Type-approval number of each component or separate technical unit installed on the vehicle type to comply with these regulations or the Directive

2.1. […]:

3. Remarks

3.1. […]:

B 4605

MODEL C

(to be used for component/separate technical unit type-approval)

Maximum format: A4 (210 × 297 mm)

EC TYPE-APPROVAL CERTIFICATE

Stamp of EC type- approval authority

Communication concerning:

EC type-approval ([1])

extension of EC type-approval ([1]) of a type of component/separate technical unit ([1])

refusal of EC type-approval ([1])

withdrawal of EC type-approval ([1])

with regard to Directive ...../...../EC/Regulation (EC) No ...../..... ([1]), as last amended by Directive ...../...../EC/Regulation (EC) No ...../..... ([1])

EC type-approval number:

Reason for extension:

SECTION I

0.1. Make (trade name of manufacturer):

0.2. Type:

0.3. Means of identification of type, if marked on the component/separate technical unit ([1]) ([2]):

0.3.1. Location of that marking:

0.5. Name and address of manufacturer:

0.7. In the case of components and separate technical units, location and method of affixing of the EC approval mark:

0.8. Name(s) and address(es) of assembly plant(s):

0.9. Name and address of the manufacturer's representative (if any):

---

(1) Delete where not applicable.

B 4606

SECTION II

1. Additional information (where applicable): see Addendum

2. Technical service responsible for carrying out the tests:

3. Date of test report:

4. Number of test report:

5. Remarks (if any): see Addendum

6. Place:

7. Date:

8. Signature:

Attachments: Information package.

Test report.

Addendum
to EC type-approval certificate No .....

1. Additional information

1.1. […]:

1.1.1. […]:

[…]

2. Restriction of use of the device (if any)

2.1. […]:

3. Remarks

3.1. […]:

---

(1) Delete where not applicable.

(2) If the means of identification of type contains characters not relevant to describe the vehicle, component or separate technical unit types covered by this information document, such characters shall be represented in the documentation by the symbol '?' (e.g. ABC??123??).

8. Schedule IX to the principal regulations shall be substituted the following:- Substitutes Schedule IX to the principal regulations.

B 4608

SCHEDULE IX

[Regulations 3, 18(5) and (6)]

EC CERTIFICATE OF CONFORMITY

For complete/completed ([1]) vehicles

PART I

(Maximum format: A4 (210 × 297 mm), or a folder of A4 format)

Side 1

The undersigned:

(Full name)

hereby certifies that the vehicle:

0.1. Make (Trade name of manufacturer):

0.2. Type:

variant ([2]):

version ([2]):

0.2.1. Commercial name(s):

0.4. Category:

0.5. Name and address of the manufacturer of the base vehicle:

Name and address of the manufacturer of the latest built stage of the vehicle ([1])

0.6. Location of the statutory plates:

Vehicle identification number:

Location of the vehicle identification number on the chassis:

Based upon the type(s) of vehicle described in EC type-approval ([1])

Base Vehicle:

Manufacturer:

EC type-approval number:

Dated:

Stage 2: Manufacturer:

EC type-approval number:

Dated:

conforms in all respects to the complete/completed ([3]) type described in

EC type-approval number:

Dated:

The vehicle can be permanently registered without further EC type-approvals in Member States having right/left ([4]) hand traffic and using metric/imperial ([5]) units for the speedometer.

(Place) (Date):

(Signature) (Position)

Attachments (only applicable to multi-stage vehicle types): Certificate of conformity for each stage.

---

(1) Delete where not applicable.

(2) Indicate also the numerical or combined number/letter identification code. This code shall contain not more than 25 or 35 positions for a variant or verion respectively.

(3) Indicate whether the speedometer fitted has metric or both metric and imperial units.

(4) Delete where not applicable.

(5) Indicate only the basic colour(s) as follows: white, yellow, orange, red, violet, blue, green, grey, brown or black.

Side 2

For complete or completed vehicles of category M_1

(The values and units indicated below are those given in the type-approval documentation of the relevant regulatory acts. In case of conformity of production (COP) tests, the values must be verified according to the methods laid down in the relevant regulatory acts taking into account the COP test tolerances allowed in those regulatory acts.)

1 Number of axles: ..... and wheels: .....

2. Powered axles:

B 4610

3. Wheel base: ..... mm

5. Axle(s) track: 1. ..... mm 2. ..... mm 3. ..... mm

6.1. Length: ..... mm

7.1. Width: ..... mm

8. Height: ..... mm

11. Rear overhang: ..... mm

12.1. Mass of the vehicle with bodywork in running order: ..... kg

14.1. Technically permissible maximum laden mass: ..... kg

14.2. Distribution of this mass among the axles: 1. ..... kg 2. ..... kg 3. ..... kg etc.

14.3. Technically permissible mass on each axle: 1. ..... kg 2. ..... kg 3. ..... kg etc.

16. Maximum permissible roof load: ..... kg

17. Maximum mass of trailer (braked): ..... kg; (unbraked): ..... kg

18. Maximum mass of combination: ..... kg

19.1. Maximum vertical load at the coupling point for a trailer: ..... kg

20. Engine manufacturer:

21. Engine code as marked on the engine:

22. Working principle:

22.1. Direct injection: yes/no ([1])

23. Number and arrangement of cylinders:

24. Capacity: … cm^3

25. Fuel:

26. Maximum net power: ..... kW at ..... min^{-1}

27. Clutch (type):

28. Gearbox (type):

29. Gear ratios: 1. ..... 2. ..... 3. ..... 4. ..... 5. ..... 6. .....

30. Final drive ratio:

32. Tyres and wheels Axle 1: ..... Axle 2: ..... Axle 3: ..... (for tyres of category Z intended to be fitted on vehicles whose maximum speed exceeds 300 km/h essential tyre characteristics shall be indicated);

34. Steering, method of assistance:

35. Brief description of the braking system:

37. Type of body:

38. Colour of vehicle ([2]):

41. Number and configuration of doors:

42.1. Number and position of seats:

43.1. EC type-approval mark of coupling device if fitted:

44. Maximum speed: ..... km/h.

45. Sound level

Number of the base regulatory act and latest amending regulatory act applicable to the EC type-approval. In case of a regulatory act with two or more implementation stages, indicate also the implementation stage: .....

Stationary: ..... dB(A) at engine speed: ..... min^{-1}

Drive-by: ..... dB(A)

46.1. Exhaust emissions ([3]):

Number of the base regulatory act and latest amending regulatory act applicable to the EC type-approval. In case of a regulatory act with two or more implementation stages, indicate also the implementation stage: .....

1. test procedure: .....

CO: ..... HC: ..... NO : ..... HC + NO

Smoke (corrected value of absorption coefficient (m^{-1})): Particulates: .....

2. test procedure (if applicable) .....

CO: ..... NO_x: ..... NMHC: ..... THC: ..... CH_4: ..... Particulates: .....

46.2. CO_2 emissions/fuel consumption ([3]):

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Number of the base regulatory act and latest amending regulatory act applicable to the EC type-approval:.....

	CO_2 emissions	Fuel consumption
Urban conditions:	..... g/km	..... l/100 km / m^3/100 km (4)
Extra-urban conditions:	..... g/km	..... l/100 km / m^3/100 km (4)
Combined:	..... g/km	..... l/100 km / m^3/100 km (4)

47. Fiscal power or national code number(s) if applicable:

- Belgium:	- Bulgaria:	- Czech Republic:
- Denmark:	- Germany:	- Estonia:
- Greece:	- Spain:	- France:
- Ireland:	- Italy:	- Cyprus:
- Latvia:	- Lithuania:	- Luxembourg:
- Hungary:	- Malta:	- Netherlands:
- Austria:	- Poland:	- Portugal:
- Romania:	- Slovenia:	- Slovakia:
- Finland:	- Sweden:	- United Kingdom:

50. Remarks (5):

51. Exemptions:

---

(1) Delete where not applicable.

(2) Indicate whether the vehicle as manufactured is suitable for use in either right or left-hand traffic or both right and left-hand traffic.

(3) Repeat for petrol and gaseous fuel in the case of a vehicle that can run either on petrol or on a gaseous fuel. The vehicles can be fuelled with both petrol and a gaseous fuel but, where the petrol system is fitted for emergency purposes or starting only and of which the petrol tank cannot contain more than 15 litres of petrol, will be regarded for the test as vehicles which can only run a gaseous fuel.

(4) Delete where not applicable.

(5) If the vehicle is equipped with 24 GHz short-range radar equipment in accordance with Decision 2005/50/EC, the manufacturer must indicate here: 'Vehicle equipped with 24 GHz short-range radar equipment'.

Side 2

For complete or completed vehicles of categories M_2 and M_3

(The values and units indicated below are those given in the type-approval documentation of the relevant regulatory acts. In case of conformity of production tests, the values must be verified according to the methods laid down in the relevant regulatory acts taking into account the conformity of production test tolerances allowed in those

regulatory acts).

1. Number of axles: ..... and wheels: .....

2. Powered axles: .....

3. Wheelbase: ..... mm

5. Axle(s) track: 1. ..... mm 2. ..... mm 3. ..... mm 4. ..... mm

6.1. Length: ..... mm

6.3. Distance between the front end of the vehicle and the centre of the coupling device: ..... mm

7.1. Width: ..... mm

8. Height: ..... mm

10.1. Ground area covered by the vehicle: ..... m^2

11. Rear overhang: ..... mm

12.1. Mass of the vehicle with bodywork in running order: ..... kg

14.1. Technically permissible maximum laden mass: ..... kg

14.2. Distribution of this mass among the axles: 1. ..... kg 2. ..... kg 3. .... kg 4. ..... kg

14.4. Technically permissible mass on each axle/axle group: 1. ..... kg 2. ..... kg 3. ..... kg 4. ..... kg

16. Maximum permissible roof load: ..... kg

17. Maximum mass of trailer (braked): ..... kg; (unbraked): ..... kg

18. Technically permissible maximum laden mass of combination ..... kg

19.1. Technically permissible maximum mass on the coupling point of a motor vehicle ..... kg

20. Engine manufacturer:

21. Engine code as marked on the engine:

22. Working principle:

22.1. Direct injection: yes/no ([1])

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23. Number and arrangement of cylinders:

24. Capacity: ..... cm^3

25. Fuel:

26. Maximum net power: ..... kW at ..... min^{-1}

27. Clutch (type):

28. Gearbox (type):

29. Gear ratios: 1. ..... 2. ..... 3. ..... 4. ..... 5. ..... 6. .....

30. Final drive ratio: .....

32. Tyres and wheels: Axle 1: ..... Axle 2: ..... Axle 3: ..... Axle 4: .....

33.1. Drive axle(s) fitted with air suspension or equivalent: yes/no ([2])

34. Steering, method of assistance: .....

35. Brief description of the braking system:

36. Pressure in feed line for trailer braking system: ..... bar

37. Type of body:

41. Number and configuration of doors:

42.2. Number of seating places (excluding the driver):

42.3. Number of standing places:

43.1. EC type-approval mark of coupling device, if fitted:

44. Maximum speed: ..... km/h

45. Sound level

Number of the base regulatory act and latest amending regulatory act applicable to the approval.

In case of a regulatory act with two or more implementation stages, indicate also the implementation stage:

Stationary: ..... dB(A) at engine speed ..... min^{-1}

Drive-by: ..... dB(A)

46.1. Exhaust emissions ([3]):

Number of the base regulatory act and latest amending regulatory act applicable to the EC type-approval. In case of a regulatory act with two or more implementation stages, indicate also the implementation stage:

1. test procedure: .....

CO: ..... HC: ..... NO_x: ..... HC + NO_x: .....

Smoke (corrected value of absorption coefficient (m^{-1})): Particulates: .....

2. test procedure (if applicable) .....

CO: ..... NO_x: ..... NMHC: ..... THC: ..... CH_4: ..... Particulates: .....

47. Fiscal power or national code number(s), if applicable:

- Belgium:	- Bulgaria:	- Czech Republic:
- Denmark:	- Germany:	- Estonia:
- Greece:	- Spain:	- France:
- Ireland:	- Italy:	- Cyprus:
- Latvia:	- Lithuania:	- Luxembourg:
- Hungary:	- Malta:	- Netherlands:
- Austria:	- Poland:	- Portugal:
- Romania:	- Slovenia:	- Slovakia:
- Finland:	- Sweden:	- United Kingdom:

50. Remarks ([4]):

51. Exemptions:

---

(1) Delete where not applicable.

(2) Delete where not applicable.

(3) Repeat for petrol and gaseous fuel in the case of a vehicle that can run either on petrol or on a gaseous fuel. The vehicles can be fuelled with both petrol and a gaseous fuel but, where the petrol system is fitted for emergency purposes or starting only and of which the petrol tank cannot contain more than 15 litres of petrol, will be regarded for the test as vehicles which can only run a gaseous fuel.

(4) If the vehicle is equipped with 24 GHz short-range radar equipment in accordance with Decision 2005/50/EC, the manufacturer must indicate here: 'Vehicle equipped with 24 GHz short-range radar equipment'.

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For complete or completed vehicles of categories N_1, N_2 and N_3

(The values and units indicated below are those given in the type-approval documentation of the relevant regulatory acts. In case of conformity of production tests, the values must be verified according to the methods laid down in the relevant regulatory acts taking into account the conformity of production test tolerances allowed in those regulatory acts).

1. Number of axles: ..... and wheels: .....

2. Powered axles: .....

3. Wheelbase: ..... mm

4.1. Fifth wheel lead (maximum and minimum in case of an adjustable fifth wheel): ..... mm

5. Axle(s) track: 1. ..... mm 2. ..... mm 3. ..... mm 4. ..... mm

6.1. Length: ..... mm

6.3. Distance between the front end of the vehicle and the centre of the coupling device: ..... mm

6.5. Length of the loading area: ..... mm

7.1. Width: ..... mm

8. Height: ..... mm

10.2. Ground area covered by the vehicle (N_2 and N_3 only): ..... m^2

11. Rear overhang: ..... mm

12.1. Mass of the vehicle with bodywork in running order: ..... kg

14.1. Technically permissible maximum laden mass: ..... kg

14.2. Distribution of this mass among the axles: 1. ..... kg 2. ..... kg 3. ..... kg 4. ..... kg

14.4. Technically permissible mass on each axle/axle group: 1. ..... kg 2. ..... kg 3. ..... kg 4. ..... kg

15. Position of retractable or loadable axle(s): .....

17. Technically permissible maximum towable mass of the motor vehicle in case of

17.1. Drawbar trailer:

17.2. Semi-trailer:

17.3. Centre-axle trailer:

17.4. Technically permissible maximum mass of trailer (unbraked): ..... kg

18. Technically permissible maximum laden mass of combination: ..... kg

19.1. Technically permissible maximum mass on the coupling point of a motor vehicle: ..... kg

20. Engine manufacturer:

21. Engine code as marked on the engine:

22. Working principle:

22.1. Direct injection: yes/no ([1])

23. Number and arrangement of cylinders:

24. Capacity: ..... cm^3

25. Fuel:

26. Maximum net power: ..... kW at ..... min^{-1}

27. Clutch (type):

28. Gearbox (type):

29. Gear ratios: 1. ..... 2. ..... 3. ..... 4. ..... 5. ..... 6. .....

30. Final drive ratio:

32. Tyres and wheels: Axle 1: ..... Axle 2: ..... Axle 3: ..... Axle 4: .....

33.1. Drive axle(s) fitted with air suspension or equivalent: yes/no ([1])

34. Steering, method of assistance:

35. Brief description of the braking system:

36. Pressure in feed line for trailer braking system: ..... bar

37. Type of body:

38. Colour of vehicle ([2]) (N^1 only):

39. Tank capacity (Tanker vehicle only): ..... m^3

40. Maximum crane moment capacity: ..... kNm.

41. Number and configuration of doors:

42.1. Number and position of seats:

43.1. EC type-approval mark of coupling device, if fitted:

44. Maximum speed: ..... km/h

45. Sound level

Number of the base regulatory act and latest amending regulatory act applicable to the EC type-approval. In case of a regulatory act with two or more implementation stages, indicate also the implementation stage:

Stationary: ..... dB(A) at engine speed: ..... min^{-1}

Drive-by: ..... dB(A)

46.1. Exhaust emissions ([3]):

Number of the base regulatory act and latest amending regulatory act applicable to the approval. In case of a regulatory act with two or more implementation stages, indicate also the implementation stage: .....

1. test procedure: .....

CO: ..... HC: ..... NO_x: ..... HC + NO_x: .....

Smoke (corrected value of absorption coefficient (m^{-1})): ..... Particulates: .....

2. test procedure (if applicable) .....

CO: ..... NO_x: ..... NMHC: ..... CH_4: ..... Particulates: .....

46.2. CO_2 emissions/fuel consumption ([4]) (N_1 only):

Number of the base regulatory act and latest amending regulatory act applicable to the EC type-approval: ..... .

	CO_2 emissions	Fuel consumption
Urban conditions:	..... g/km	..... l/100 km / m^3/100 km ([4])
Extra-urban conditions:	..... g/km	..... l/100 km / m^3/100 km ([4])
Combined:	..... g/km	..... l/100 km / m^3/100 km ([4])

47. Fiscal power or national code number(s), if applicable:

- Belgium:	- Bulgaria:	- Czech Republic:

- Denmark:	- Germany:	- Estonia:
- Greece:	- Spain:	- France:
- Ireland:	- Italy:	- Cyprus:
- Latvia:	- Lithuania:	- Luxembourg:
- Hungary:	- Malta:	- Netherlands:
- Austria:	- Poland:	- Portugal:
- Romania:	- Slovenia:	- Slovakia:
- Finland:	- Sweden:	- United Kingdom:

48.1. EC type-approved according to the design requirements for transporting dangerous goods: yes/class(es): ..... /no ([5])

48.2. EC type-approved according to the design requirements for transporting certain animals: yes/class(es): ..... /no ([5])

50. Remarks ([6]):

51. Exemptions:

([1]) Delete where not applicable.

(2) Indicate only the basic colour(s) as follows: white, yellow, orange, red, violet, blue, green, grey, brown or black.

(3) Repeat for petrol and gaseous fuel in the case of a vehicle that can run either on petrol or on a gaseous fuel. The vehicles can be fuelled with both petrol and a gaseous fuel but, where the petrol system is fitted for emergency purposes or starting only and of which the petrol tank cannot contain more than 15 litres of petrol, will be regarded for the test as vehicles which can only run a gaseous fuel.

(4) In the case of a vehicle that can run either on petrol or on a gaseous fuel, repeat for petrol and gaseous fuel. Vehicles where the petrol system is fitted for emergency purposes or starting only, and of which the petrol tank cannot contain more than 15 litres of petrol, will be regarded for the test as vehicles which can only run on a gaseous fuel.

(5) Delete where not applicable.

(6) If the vehicle is equipped with 24 GHz short-range radar equipment in accordance with Decision 2005/50/EC, the manufacturer must indicate here: 'Vehicle equipped with 24 GHz short-range radar equipment'.

Side 2

For complete or completed vehicles of categories O_1, O_2, O_3 and O_4

1. Number of axles: ..... and wheels: .....

3. Wheelbase: ..... mm

5. Axle(s) track: 1. ..... mm 2. ..... mm 3. ..... mm

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6.1. Length: ..... mm

6.4. Distance between the centre of the coupling device and the rear end of the vehicle: ..... mm

6.5. Length of the loading area: ..... mm

7.1. Width: ..... mm

8. Height: ..... mm

10.3. Ground area covered by the vehicle (O_2, O_3 and O_4 only): ..... m^2

11. Rear overhang: ..... mm

12.1. Mass of the vehicle with bodywork in running order: ..... kg

14.1. Technically permissible maximum laden mass: ..... kg

14.5. Distribution of this mass among the axles and, in the case of a semi-trailer or centre-axle trailer, mass on the coupling point: 1. ..... kg 2. ..... kg 3. ..... kg coupling point: ..... kg

14.6. Technically permissible mass on each axle/axle group: 1. ..... kg 2. ..... kg 3. ..... and, in the case of a semi-trailer or centre-axle trailer, mass on the coupling point: ..... kg

15. Position of retractable or loadable axle(s): .....

19.2. For coupling devices of classes B, D, E and H: maximum mass of the towing vehicle (T) or of the vehicle combination (if T < 32 000 kg): ..... kg

32. Tyres and wheels: Axle 1: ..... Axle 2: ..... Axle 3: .....

33.2. Axle(s) fitted with air suspension or equivalent: yes/no ([1])

34. Steering, method of assistance:

35. Brief description of the braking system:

37. Type of body:

39. Tank capacity (Tanker vehicle only): ..... m^3

43.2. Approval mark of coupling device:

47. Fiscal power or national code number(s), if applicable:

- Belgium:	- Bulgaria:	- Czech Republic:

- Denmark:	- Germany:	- Estonia:
- Greece:	- Spain:	- France:
- Ireland:	- Italy:	- Cyprus:
- Latvia:	- Lithuania:	- Luxembourg:
- Hungary:	- Malta:	- Netherlands:
- Austria:	- Poland:	- Portugal:
- Romania:	- Slovenia:	- Slovakia:
- Finland:	- Sweden:	- United Kingdom:

48.1. EC type-approved according to the design requirements for transporting dangerous goods: yes/class(es): ..... /no ([1])

48.2. EC type-approved according to the design requirements for transporting certain animals: yes/class(es): …/no ([1])

50. Remarks ([2]):

51. Exemptions:

---

(1) Delete where not applicable.

(2) If the vehicle is equipped with 24 GHz short-range radar equipment in accordance with Decision 2005/50/EC, the manufacturer must indicate here: 'Vehicle equipped with 24 GHz short-range radar equipment'.

PART II

EC CERTIFICATE OF CONFORMITY

for incomplete vehicles

(Maximum format: A4 (210 × 297 mm), or a folder of A4 format)

Side 1

The undersigned:

(Full name)

hereby certifies that the vehicle:

0.1. Make (Trade name of manufacturer):

0.2. Type:

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Variant ([1]):

Version ([1]):

0.2.1. Commercial name(s) (if available):

0.4. Category:

0.5. Name and address of the manufacturer of the base vehicle:

Name and address of the manufacturer of the latest built stage of the vehicle ([2])

0.6. Location of the statutory plates:

Vehicle identification number:

Location of the vehicle identification number on the chassis:

based upon the type(s) of vehicle described in EC type-approval ([2])

Base Vehicle: Manufacturer: .....

EC type-approval number: .....

Dated: .....

Stage 2: Manufacturer: .....

EC type-approval number: .....

Dated: .....

conforms in all respects to the incomplete type described in

EC type-approval number: .....

Dated: .....

The vehicle cannot be permanently registered without further EC type-approvals.

(Place) (Date) (Signature) (Position)

Attachments: Certificate of conformity for each stage.

---

(1) Indicate also the numerical or combined number/letter identification code. This code shall contain not more than 25 or 35 positions for a variant or verion respectively.

(2) Delete where not applicable.

Side 2

For incomplete vehicles of category M_1

(The values and units indicated below are those given in the type-approval documentation of the relevant regulatory acts. In case of conformity of production (COP) tests, the values must be verified according to the methods laid down in the relevant regulatory acts taking into account the COP test tolerances allowed in those regulatory acts.)

1. Number of axles: ..... and wheels: .....

2. Powered axles:

3. Wheel base: ..... mm

5. Axle(s) track: 1. ..... mm 2. ..... mm 3. ..... mm

6.2. Maximum permissible length of the completed vehicle: ..... mm

7.2. Maximum permissible width of the completed vehicle: ..... mm

9.1. Height of the centre of gravity (c.o.g.): ..... mm

9.2. Maximum permissible height of the c.o.g. of the completed vehicle: ..... mm

9.3. Minimum permissible height of the c.o.g. of the completed vehicle: ..... mm

13.1. Minimum permissible mass of the completed vehicle: ..... kg

13.2. Distribution of this mass among the axles: 1. ..... kg 2. ..... kg 3. ..... kg

14.1. Technically permissible maximum laden mass: ..... kg

14.2. Distribution of this mass among the axles: 1. ..... kg 2. ..... kg 3. ..... kg

14.3. Technically permissible mass on each axle: 1. ..... kg 2. ..... kg 3. ..... kg

16. Maximum permissible roof load: ..... kg

17. Maximum mass of trailer (braked): ..... kg (unbraked): ..... kg

18. Maximum mass of combination: ..... kg

19.1. Maximum vertical load at the coupling point for a trailer: ..... kg

20. Engine manufacturer:

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21. Engine code as marked on the engine:

22. Working principle:

22.1. Direct injection: yes/no ([1])

23. Number and arrangement of cylinders:

24. Capacity: ..... cm^3

25. Fuel:

26. Maximum net power: ..... kW at ..... min^{-1}

27. Clutch (type):

28. Gearbox (type):

29. Gear ratios: 1. ..... 2. ..... 3. ..... 4. ..... 5. ..... 6. .....

30. Final drive ratio:

32. Tyres and wheels: Axle 1: ..... Axle 2: ..... Axle 3: .....

34. Steering, method of assistance:

35. Brief description of the braking system:

41. Number and configuration of doors:

42.1. Number and position of seats:

43.1. EC type-approval mark of coupling device, if fitted:

43.3. Types or classes of coupling devices which can be fitted:

43.4. Characteristic values ([2]): D ...../V ...../S ...../U .....

45. Sound level:

Number of the base regulatory act and latest amending regulatory act applicable to the approval. In case of a regulatory act with two or more implementation stages, indicate also the implementation stage: .....

Stationary: ..... dB(A) at engine speed ..... min^{-1}

Drive-by: ..... dB(A)

46.1. Exhaust emissions ([3]):

Number of the base regulatory act and latest amending regulatory act applicable to the EC type-approval. In case of a regulatory act with two or more implementation stages, indicate also the implementation stage: .....

1. test procedure: ..... CO: ..... HC: ..... NO_x: ..... HC + NO_x: ..... Smoke (corrected value of absorption coefficient (m^{-1})): Particulates: .....

2. test procedure (if applicable) ..... CO: ..... NO_x: ..... NMHC: ..... THC: ..... CH4: ..... Particulates: .....

47. Fiscal power or national code number(s) if applicable:

- Belgium:	- Bulgaria:	- Czech Republic:
- Denmark:	- Germany:	- Estonia:
- Greece:	- Spain:	- France:
- Ireland:	- Italy:	- Cyprus:
- Latvia:	- Lithuania:	- Luxembourg:
- Hungary:	- Malta:	- Netherlands:
- Austria:	- Poland:	- Portugal:
- Romania:	- Slovenia:	- Slovakia:
- Finland:	- Sweden:	- United Kingdom:

49. Chassis designed for off-road vehicles only: yes/no (4)

50. Remarks (5):

51. Exemptions:

---

(1) Delete where not applicable.

(2) Delete where not applicable.

(3) Repeat for petrol and gaseous fuel in the case of a vehicle that can run either on petrol or on a gaseous fuel. The vehicles can be fuelled with both petrol and a gaseous fuel but, where the petrol system is fitted for emergency purposes or starting only and of which the petrol tank cannot contain more than 15 litres of petrol, will be regarded for the test as vehicles which can only run a gaseous fuel.

(4) Delete where not applicable.

(5) If the vehicle is equipped with 24 GHz short-range radar equipment in accordance with Decision 2005/50/EC, the manufacturer must indicate here: 'Vehicle equipped with 24 GHz short-range radar equipment'.

Side 2

For incomplete vehicles of categories M_2 and M_3

(The values and units indicated below are those given in the type-approval

documentation of the relevant regulatory acts. In case of conformity of production tests, the values must be verified according to the methods laid down in the relevant regulatory acts taking into account the conformity of production test tolerances allowed in those regulatory acts).

1. Number of axles: ..... and wheels: .....

2. Powered axles: .....

3. Wheelbase: ..... mm

5. Axle(s) track: 1. ..... mm 2. ..... mm 3. ..... mm 4. ..... mm

6.2. Maximum permissible length of the completed vehicle: ..... mm

6.3. Distance between the front end of the vehicle and the centre of the coupling device: ..... mm

7.2. Maximum permissible width of the completed vehicle: ..... mm

9.1. Height of the centre of gravity (c.o.g.): ..... mm

9.2. Maximum permissible height of the c.o.g. of the completed vehicle: ..... mm

9.3. Minimum permissible height of the c.o.g. of the completed vehicle: ..... mm

12.3. Mass of the bare chassis: ..... kg

13.1. Minimum permissible mass of the completed vehicle: ..... kg

13.2. Distribution of this mass among the axles: 1. ..... kg 2. ..... kg 3. ..... kg 4. .... kg

14.1. Technically permissible maximum laden mass: ..... kg

14.2. Distribution of this mass among the axles: 1. ..... kg 2. ..... kg 3. ..... kg 4. ..... kg

14.4. Technically permissible mass on each axle/axle group: 1. ..... kg 2. ..... kg 3. ..... kg 4. ..... kg

16. Maximum permissible roof load: ..... kg

17. Maximum mass of trailer (braked): ..... kg; (unbraked): ..... kg

18. Technically permissible maximum laden mass of combination ..... kg

19.1. Technically permissible maximum mass on the coupling point of a motor vehicle ..... kg

20. Engine manufacturer:

21. Engine code as marked on the engine:

22. Working principle:

22.1. Direct injection: yes/no ([1])

23. Number and arrangement of cylinders:

24. Capacity: ..... cm^3

25. Fuel:

26. Maximum net power: ..... kW at ..... min^{-1}

27. Clutch (type):

28. Gearbox (type):

29. Gear ratios: 1. ..... 2. ..... 3. ..... 4. ..... 5. ..... 6. .....

30. Final drive ratio: .....

32. Tyres and wheels: Axle 1: ..... Axle 2: ..... Axle 3: ..... Axle 4: .....

33.1. Drive axle(s) fitted with air suspension or equivalent: yes/no ([1])

34. Steering, method of assistance:

35. Brief description of the braking system:

36. Pressure in feed line for trailer braking system: ..... bar

41. Number and configuration of doors:

43.1. Approval mark of coupling device, if fitted: .....

43.3. Types or classes of coupling devices which can be fitted:

43.4. Characteristic values ([1]): D ...../V ...../S ...../U .....

45. Sound level:

Number of the base regulatory act and latest amending regulatory act applicable to the approval. In case of a regulatory act with two or more implementation stages, indicate also the implementation stage:

Stationary: ..... dB(A) at engine speed ..... min^{-1}

Drive-by: ..... dB(A)

B 4628

46.1. Exhaust emissions ([2]):

Number of the base regulatory act and latest amending regulatory act applicable to the EC type-approval. In case of a regulatory act with two or more implementation stages, indicate also the implementation stage:

1. test procedure:

CO: ..... HC: ..... NO_x: ..... HC + NO_x: .....

Smoke (corrected value of absorption coefficient (m^{-1})): ..... Particulates: .....

2. test procedure (if applicable) .....

CO: ..... NO_x: ..... NMHC: ..... THC: ..... CH_4: ..... Particulates: .....

47. Fiscal power or national code number(s), if applicable:

- Belgium:	- Bulgaria:	- Czech Republic:
- Denmark:	- Germany:	- Estonia:
- Greece:	- Spain:	- France:
- Ireland:	- Italy:	- Cyprus:
- Latvia:	- Lithuania:	- Luxembourg:
- Hungary:	- Malta:	- Netherlands:
- Austria:	- Poland:	- Portugal:
- Romania:	- Slovenia:	- Slovakia:
- Finland:	- Sweden:	- United Kingdom:

49. Chassis designed for off-road vehicles only: yes/no ([3])

50. Remarks ([4]):

51. Exemptions:

([1]) Delete where not applicable.

(2) Repeat for petrol and gaseous fuel in the case of a vehicle that can run either on petrol or on a gaseous fuel. The vehicles can be fuelled with both petrol and a gaseous fuel but, where the petrol system is fitted for emergency purposes or starting only and of which the petrol tank cannot contain more than 15 litres of petrol, will be regarded for the test as vehicles which can only run a gaseous fuel.

(3) Delete where not applicable.

(4) If the vehicle is equipped with 24 GHz short-range radar equipment in accordance with Decision 2005/50/EC, the manufacturer must indicate here: ‘Vehicle equipped with 24 GHz short-range radar equipment’.

Side 2

For incomplete vehicles of categories N_1, N_2 and N_3

(The values and units indicated below are those given in the type-approval documentation of the relevant regulatory acts. In case of conformity of production tests, the values must be verified according to the methods laid down in the relevant regulatory acts taking into account the conformity of production test tolerances allowed in those regulatory acts).

1. Number of axles: ..... and wheels: .....

2. Powered axles: .....

3. Wheelbase: ..... mm

4.2. Fifth wheel lead for semi-trailer towing vehicle (maximum and minimum): ..... mm

5. Axle(s) track: 1. ..... mm 2. ..... mm 3. ..... mm 4. ..... mm

6.2. Maximum permissible length of the completed vehicle: ..... mm

6.3. Distance between the front end of the vehicle and the centre of the coupling device: ..... mm

7.2. Maximum permissible width of the completed vehicle: ..... mm

9.1. Height of the centre of gravity (c.o.g.): ..... mm

9.2. Maximum permissible height of the c.o.g. of the completed vehicle: ..... mm

9.3. Minimum permissible height of the c.o.g. of the completed vehicle: ..... mm

12.3. Mass of the bare chassis: ..... kg

13.1. Minimum permissible mass of the completed vehicle: ..... kg

13.2. Distribution of this mass among the axles: 1. ..... kg 2. .... kg 3. ..... kg 4. ..... kg

14.1. Technically permissible maximum laden mass: ..... kg

14.2. Distribution of this mass among the axles: 1. ..... kg 2. ..... kg 3. ..... kg 4. .... kg

14.4. Technically permissible mass on each axle/axle group: 1. ..... kg 2. ..... kg 3. ..... kg 4. ..... kg

15. Position of retractable or loadable axle(s): .....

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17. Technically permissible maximum towable mass of the motor vehicle in case of

17.1. Drawbar trailer:

17.2. Semi-trailer:

17.3. Centre-axle trailer: .....

17.4. Maximum mass of trailer (unbraked): ..... kg

18. Maximum mass of combination: ..... kg

19.1. Maximum vertical load at the coupling point for a trailer: ..... kg

20. Engine manufacturer:

21. Engine code as marked on the engine:

22. Working principle:

22.1. Direct injection: yes/no ([1])

23. Number and arrangement of cylinders:

24. Capacity: ..... cm^3

25. Fuel:

26. Maximum net power: ..... kW at ..... min^{-1}

27. Clutch (type):

28. Gearbox (type):

29. Gear ratios: 1. ..... 2. ..... 3. ..... 4. ..... 5. ..... 6. .....

30. Final drive ratio:

32. Tyres and wheels: Axle 1: ..... Axle 2: ..... Axle 3: ..... Axle 4: .....

33.1. Drive axle(s) fitted with air suspension or equivalent: yes/no ([1])

34. Steering, method of assistance:

35. Brief description of the braking system:

36. Pressure in feed line for trailer braking system: ..... bar

41. Number and configuration of doors:

42.1. Number and position of seats:

43.1. EC type-approval mark of coupling device, if fitted:

43.3. Types or classes of coupling devices which can be fitted:

43.4. Characteristic values ([1]): D ...../V ...../S ...../U .....

45. Sound level:

Number of the base regulatory act and latest amending regulatory act applicable to the approval. In case of a regulatory act with two or more implementation stages, indicate also the implementation stage:

Stationary: ..... dB(A) at engine speed ..... min^{-1}

Drive-by: ..... dB(A)

46.1. Exhaust emissions ([2]):

Number of the base regulatory act and latest amending regulatory act applicable to the EC type-approval. In case of a regulatory act with two or more implementation stages, indicate also the implementation stage:

1. test procedure:

CO: ..... HC: ..... NO_x: ..... HC + NO_x: .....

Smoke (corrected value of absorption coefficient (m^{-1})): ..... Particulates: .....

2. test procedure (if applicable)

CO: ..... NO_x: ..... NMHC: ..... CH_4: ..... Particulates: .....

47. Fiscal power or national code number(s), if applicable:

- Belgium:	- Bulgaria:	- Czech Republic:
- Denmark:	- Germany:	- Estonia:
- Greece:	- Spain:	- France:
- Ireland:	- Italy:	- Cyprus:
- Latvia:	- Lithuania:	- Luxembourg:
- Hungary:	- Malta:	- Netherlands:
- Austria:	- Poland:	- Portugal:
- Romania:	- Slovenia:	- Slovakia:
- Finland:	- Sweden:	- United Kingdom:

B 4632

48.1. EC type-approved according to the design requirements for transporting dangerous goods: yes/class(es): ...../no ([3])

48.2. EC type-approved according to the design requirements for transporting certain animals: yes/class(es): ...../no ([3])

49. Chassis designed for off-road vehicles only: yes/no ([3])

50. Remarks ([4]):

51. Exemptions:

---

(1) Delete where not applicable.

(2) Repeat for petrol and gaseous fuel in the case of a vehicle that can run either on petrol or on a gaseous fuel. The vehicles can be fuelled with both petrol and a gaseous fuel but, where the petrol system is fitted for emergency purposes or starting only and of which the petrol tank cannot contain more than 15 litres of petrol, will be regarded for the test as vehicles which can only run a gaseous fuel.

(3) Delete where not applicable.

(4) If the vehicle is equipped with 24 GHz short-range radar equipment in accordance with Decision 2005/50/EC, the manufacturer must indicate here: 'Vehicle equipped with 24 GHz short-range radar equipment'.

Side 2

For incomplete vehicles of categories O_1, O_2, O_3 and O_4

1. Number of axles: ..... and wheels .....

3. Wheelbase: ..... mm

5. Axle(s) track: 1. ..... mm 2. ..... mm 3. ..... mm

6.2. Maximum permissible length of the completed vehicle: ..... mm

6.4. Distance between the centre of the coupling device and the rear end of the vehicle: ..... mm

7.2. Maximum permissible width of the completed vehicle: ..... mm

9.1. Height of the centre of gravity (c.o.g.): ..... mm

9.2. Maximum permissible height of the c.o.g. of the completed vehicle: ..... mm

9.3. Minimum permissible height of the c.o.g. of the completed vehicle: ..... mm

12.3. Mass of the bare chassis: ..... kg

13.1. Minimum permissible mass of the completed vehicle: ..... kg

13.2. Distribution of this mass among the axles: 1. ..... kg 2. ..... kg 3. ..... kg

14.1. Technically permissible maximum laden mass: ..... kg

14.5. Distribution of this mass among the axles and, in the case of a semi-trailer or centre-axle trailer, load on the coupling point: 1. ..... kg 2. ..... kg 3. ..... kg coupling point: ..... kg

14.6. Technically permissible mass on each axle/axle group: 1. ..... kg 2. ..... kg 3. ..... and, in the case of a semi-trailer or centre-axle trailer, load on the coupling point: ..... kg

15. Position of retractable or loadable axle(s): .....

19.2. For coupling devices of classes B, D, E and H: maximum mass of the towing vehicle (T) or of the vehicle combination (if T < 32 000 kg): ..... kg

32. Tyres and wheels: Axle 1: ..... Axle 2: ..... Axle 3: .....

33.2. Axle(s) fitted with air suspension or equivalent: yes/no ([1])

34. Steering, method of assistance:

35. Brief description of the braking system:

43.2. EC type-approval mark of coupling device:

43.3. Types or classes of coupling devices which can be fitted:

43.4. Characteristic values ([1]): D ...../V ...../S ...../U .....

47. Fiscal power or national code number(s), if applicable:

- Belgium:	- Bulgaria:	- Czech Republic:
- Denmark:	- Germany:	- Estonia:
- Greece:	- Spain:	- France:
- Ireland:	- Italy:	- Cyprus:
- Latvia:	- Lithuania:	- Luxembourg:
- Hungary:	- Malta:	- Netherlands:
- Austria:	- Poland:	- Portugal:
- Romania:	- Slovenia:	- Slovakia:
- Finland:	- Sweden:	- United Kingdom:

48.1. EC type-approved according to the design requirements for transporting dangerous goods: yes/class(es): …/no ([1])

48.2. EC type-approved according to the design requirements for transporting certain

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animals: yes/class(es): …/no ([1])

50 Remarks:

51. Exemptions:

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(1) Delete where not applicable.

9. Schedule XI to the principal regulations shall be substituted the following:- Substitutes Schedule XI to the principal regulations.

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SCHEDULE XI

[Regulations 3, 6(2) and (3), 9(1)(b), (2), (4) and (5), 10(1), 12(2)(b) and 28(1)]

NATURE OF AND PROVISIONS FOR SPECIAL PURPOSE VEHICLES

Appendix 1

Motor-Caravans, Ambulances and Hearses

Item	Subject	Regulatory act reference	$M_1 \leq 2\,500$([1]) kg	$M_1 > 2\,500$ ([1]) kg	M_2	M_3
1	Sound levels	70/157/EEC	H	G + H	G + H	G + H
2	Emissions	70/220/EEC	Q	G + Q	G + Q	G + Q
3	Fuel tanks/rear protective devices	70/221/EEC	F	F	F	F
4	Rear registration plate space	70/222/EEC	X	X	X	X
5	Steering effort	70/311/EEC	X	G	G	G
6	Door latches and hinges	70/387/EEC	B	G + B		
7	Audible warning	70/388/EEC	X	X	X	X
8	Devices for indirect vision	71/127/EEC	X	G	G	G
9	Braking	71/320/EEC	X	G	G	G
10	Suppression of radio interference	72/245/EEC	X	X	X	X
11	Diesel smoke	72/306/EEC	H	H	H	H
12	Interior fittings	74/60/EEC	C	G + C		
13	Anti-theft and immobiliser	74/61/EEC	X	G	G	G
14	Protective steering	74/297/EEC	X	G		
15	Seat strength	74/408/EEC	D	G + D	G + D	G + D
16	Exterior projections	74/483/EEC	X for the cab; A for the remaining part	G for the cab; A for the remaining part		
17	Speedometer and reverse gear	75/443/EEC	X	X	X	X
18	Plates (statutory)	76/114/EEC	X	X	X	X
19	Seat belt anchorages	76/115/EEC	D	G + L	G + L	G + L
20	Installation of lighting and light signalling devices	76/756/EEC	A + N	A+G+N for the cab; A + N for the remaining part	A+G+N for the cab; A + N for the remaining part	A+ G+ N for the cab; A + N for the remaining part
21	Retro reflectors	76/757/EEC	X	X	X	X
22	End-outline, front-side, rear-side, stop, day time running, side-marker lamps	76/758/EEC	X	X	X	X

Item	Subject	Regulatory act reference	$M_1 \leq$ 2 500([1]) kg	$M_1 >$ 2 500 ([1]) kg	M_2	M_3
23	Direction indicators	76/759/EEC	X	X	X	X
24	Rear registration plate lamps	76/760/EEC	X	X	X	X
25	Head lamps (including bulbs)	76/761/EEC	X	X	X	X
26	Front fog lamps	76/762/EEC	X	X	X	X
27	Towing hooks	77/389/EEC	E	E	E	E
28	Rear fog lamps	77/538/EEC	X	X	X	X
29	Reversing lamps	77/539/EEC	X	X	X	X
30	Parking lamps	77/540/EEC	X	X	X	X
31	Seat belts and restraint systems	77/541/EEC	D	G + M	G + M	G + M
32	Forward vision	77/649/EEC	X	G		
33	Identification of controls	78/316/EEC	X	X	X	X
34	Defrost/demist	78/317/EEC	X	G + O	O	O
35	Wash/wipe	78/318/EEC	X	G + O	O	O
36	Heating systems	2001/56/EC	X	X	X	X
37	Wheel guards	78/549/EEC	X	G		
38	Head restraints	78/932/EEC	D	G + D		
39	CO_2 emissions/fuel consumption	80/1268/EEC	N/A	N/A		
40	Engine power	80/1269/EEC	X	X	X	X
41	Diesel emissions	88/77/EEC	H	G + H	G + H	G + H
44	Masses and dimensions (cars)	92/21/EEC	X	X		
45	Safety glass	92/22/EEC	J	G + J	G + J	G + J
46	Tyres	92/23/EEC	X	G	G	G
47	Speed limiters	92/24/EEC				X
48	Masses and dimensions (other than vehicles referred to in item 44)	97/27/EC			X	X
50	Couplings	94/20/EC	X	G	G	G
51	Flammability	95/28/EC				G for the cab; X for the remaining part
52	Buses and coaches	2001/85/EC			A	A
53	Front impact	96/79/EC	N/A	N/A		
54	Side impact	96/27/EC	N/A	N/A		
58	Pedestrian protection	2003/102/EC	X			

([1]) Technically permissible maximum laden mass.

Appendix 2

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Armoured Vehicles

Item	Subject	Regulatory act reference	M_1	M_2	M_3	N_1	N_2	N_3	O_1	O_2	O_3	O_4
1	Sound levels	70/157/EEC	X	X	X	X	X	X				
2	Emissions	70/220/EEC	A	A	A	A	A	A				
3	Fuel tanks/rear protective devices	70/221/EEC	X	X	X	X	X	X	X	X	X	X
4	Rear registration plate space	70/222/EEC	X	X	X	X	X	X	X	X	X	X
5	Steering effort	70/311/EEC	X	X	X	X	X	X	X	X	X	X
6	Door latches and hinges	70/387/EEC	X			X	X	X				
7	Audible warning	70/388/EEC	A+K	A+K	A+K	A+K	A+K	A+K				
8	Devices for indirect vision	71/127/EEC	A	A	A	A	A	A				
9	Braking	71/320/EEC	X	X	X	X	X	X	X	X	X	X
10	Suppression of radio interference	72/245/EEC	X	X	X	X	X	X	X	X	X	X
11	Diesel smoke	72/306/EEC	X	X	X	X	X	X				
12	Interior fittings	74/60/EEC	A									
13	Anti-theft and immobiliser	74/61/EEC	X	X	X	X	X	X				
14	Protective steering	74/297/EEC	N/A			N/A						
15	Seat strength	74/408/EEC	X	D	D	D	D	D				
16	Exterior projections	74/483/EEC	A									
17	Speedometer and reverse gear	75/443/EEC	X	X	X	X	X	X				
18	Plates (statutory)	76/114/EEC	X	X	X	X	X	X	X	X	X	X
19	Seat belt anchorages	76/115/EEC	A	A	A	A	A	A				
20	Installation of lighting and light signalling devices	76/756/EEC	A+N	A+N	A+N	A+N	A+N	A+N	A+N	A+N	A+N	A+N
21	Retro reflectors	76/757/EEC	X	X	X	X	X	X	X	X	X	X
22	End-outline, front-side, rear-side, stop, day time running, side-marker lamps	76/758/EEC	X	X	X	X	X	X	X	X	X	X
23	Direction indicators	76/759/EEC	X	X	X	X	X	X	X	X	X	X

Item	Subject	Regulatory act reference	M_1	M_2	M_3	N_1	N_2	N_3	O_1	O_2	O_3	O_4
24	Rear registration plate lamps	76/760/EEC	X	X	X	X	X	X	X	X	X	X
25	Head lamps (including bulbs)	76/761/EEC	X	X	X	X	X	X				
26	Front fog lamps	76/762/EEC	X	X	X	X	X	X				
27	Towing hooks	77/389/EEC	A	A	A	A	A	A				
28	Rear fog lamps	77/538/EEC	X	X	X	X	X	X	X	X	X	X
29	Reversing lamps	77/539/EEC	X	X	X	X	X	X	X	X	X	X
30	Parking lamps	77/540/EEC	X	X	X	X	X	X				
31	Seat belts and restraint systems	77/541/EEC	A	A	A	A	A	A				
32	Forward vision	77/649/EEC	S									
33	Identification of controls	78/316/EEC	X	X	X	X	X	X				
34	Defrost/demist	78/317/EEC	A	O	O	O	O	O				
35	Wash/wipe	78/318/EEC	A	O	O	O	O	O				
36	Heating systems	2001/56/EC	X	X	X	X	X	X	X	X	X	X
37	Wheel guards	78/549/EEC	X									
38	Head restraints	78/932/EEC	X									
39	CO_2 emissions/ fuel consumption	80/1268/EEC	N/A									
40	Engine power	80/1269/EEC	X	X	X	X	X	X				
41	Diesel emissions	88/77/EEC	A	X	X	X	X	X				
42	Lateral protection	89/297/EEC					X	X			X	X
43	Spray suppression systems	91/226/EEC					X	X			X	X
44	Masses and dimensions (cars)	92/21/EEC	X									
45	Safety glass	92/22/EEC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
46	Tyres	92/23/EEC	A	A	A	A	A	A	A	A	A	A
47	Speed limiters	92/24/EEC			X		X	X				

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Item	Subject	Regulatory act reference	M_1	M_2	M_3	N_1	N_2	N_3	O_1	O_2	O_3	O_4
48	Masses and dimensions (other than vehicles referred to in item 44)	97/27/EC		X	X	X	X	X	X	X	X	X
49	External projections of cabs	92/114/EEC				A	A	A				
50	Couplings	94/20/EC	X	X	X	X	X	X	X	X	X	X
51	Flammability	95/28/EC			X							
52	Buses and coaches	2001/85/EC		A	A							
53	Front impact	96/79/EC	N/A									
54	Side impact	96/27/EC	N/A			N/A						
56	Vehicles intended for the transport of dangerous goods	98/91/EC				X([1])	X([1])	X([1])	X([1])	X([1])	X([1])	X([1])
57	Front underrun protection	2000/40/EC					X	X				
58	Pedestrian protection	2003/102/EC	N/A			N/A						

([1]) The requirements of Directive 98/91/EC are only applicable when the manufacturer applies for the EC type-approval of a vehicle intended for the transport of dangerous goods.

Appendix 3

Wheel-chair Accessible Vehicles

Item	Subject	Regulatory act reference	M_1
1	Sound levels	70/157/EEC	X
2	Emissions	70/220/EEC	$G + W_1$
3	Fuel tanks/rear protective devices	70/221/EEC	$X + W_2$
4	Rear registration plate space	70/222/EEC	X
5	Steering effort	70/311/EEC	X

Item	Subject	Regulatory act reference	M_1
6	Door latches and hinges	70/387/EEC	X
7	Audible warning	70/388/EEC	X
8	Indirect vision devices	2003/97/EEC	X
9	Braking	71/320/EEC	X
10	Suppression of radio interference	72/245/EEC	X
11	Diesel smoke	72/306/EEC	X
12	Interior fittings	74/60/EEC	X
13	Anti-theft and immobiliser	74/61/EEC	X
14	Protective steering	74/297/EEC	X
15	Seat strength	74/408/EEC	$X + W_3$
16	Exterior projection	74/483/EEC	$X + W_4$
17	Speedometer and reverse gear	75/443/EEC	X
18	Plates (statutory)	76/114/EEC	X
19	Seat belt anchorages	76/115/EEC	$X + W_5$
20	Installation of lighting and light signalling devices	76/756/EEC	X
21	Reflex reflectors	76/757/EEC	X
22	End-outline, front position (side), rear-position (side), stop, side marker, daytime running lamps	76/758/EEC	X
23	Direction indicators	76/759/EEC	X
24	Rear registration plate lamps	76/760/EEC	X
25	Head lamps (including bulbs)	76/761/EEC	X
26	Front fog lamps	76/762/EEC	X
27	Towing hooks	77/389/EEC	X
28	Rear fog lamps	77/538/EEC	X
29	Reversing lamps	77/539/EEC	X
30	Parking lamps	77/540/EEC	X
31	Seat belts and restraint systems	77/541/EEC	$X + W_6$
32	Forward vision	77/649/EEC	X
33	Identification of controls	78/316/EEC	X
34	Defrost/demist	78/317/EEC	X
35	Wash/wipe	78/318/EEC	X
36	Heating systems	2001/56/EC	X
37	Wheel guards	78/549/EEC	X
39	CO_2 emissions/fuel consumption	80/1268/EEC	$X + W_7$
40	Engine power	80/1269/EEC	X
41	Diesel emissions	2005/55/EC	X
44	Masses and dimensions (cars)	92/21/EEC	$X + W_8$

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Item	Subject	Regulatory act reference	M_1
45	Safety glass	92/22/EEC	X
46	Tyres	92/23/EEC	X
50	Couplings	94/20/EC	X
53	Frontal impact	96/79/EC	X + W_9
54	Side impact	96/27/EC	X + W_{10}
58	Pedestrian protection	2003/102/EC	X
59	Recyclability	2005/64/EC	N/A
60	Frontal protection system	2005/66/EC	X
61	Air conditioning systems	2006/40/EC	X

Appendix 4

Other Special Purpose Vehicles (including Trailer Caravans)

Application of the exemptions is only permitted if the manufacturer demonstrates to the satisfaction of the approval authority that the vehicle, due to the special function, can not meet all the requirements.

Item	Subject	Regulatory act reference	M_2	M_3	N_1	N_2	N_3	O_1	O_2	O_3	O_4
1	Sound levels	70/157/EEC	H	H	H	H	H				
2	Emissions	70/220/EEC	Q	Q	Q	Q	Q				
3	Fuel tanks/rear protective devices	70/221/EEC	F	F	F	F	F	X	X	X	X
4	Rear registration plate space	70/222/EEC	A+R	A+R	A+R	A+R	A+R	A+R	A+R	A+R	A+R
5	Steering effort	70/311/EEC	X	X	X	X	X	X	X	X	X
6	Door latches and hinges	70/387/EEC			B	B	B				
7	Audible warning	70/388/EEC	X	X	X	X	X				
8	Devices for indirect vision	71/127/EEC	X	X	X	X	X				
9	Braking	71/320/EEC	X	X	X	X	X	X	X	X	X
10	Suppression of radio interference	72/245/EEC	X	X	X	X	X	X	X	X	X
11	Diesel smoke	72/306/EEC	H	H	H	H	H				
13	Anti-theft and immobiliser	74/61/EEC	X	X	X	X	X				
14	Protective steering	74/297/EEC			X						

Item	Subject	Regulatory act reference	M_2	M_3	N_1	N_2	N_3	O_1	O_2	O_3	O_4
15	Seat strength	74/408/EEC	D	D	D	D	D				
17	Speedometer and reverse gear	75/443/EEC	X	X	X	X	X				
18	Plates (statutory)	76/114/EEC	X	X	X	X	X	X	X	X	X
19	Seat belt anchorages	76/115/EEC	D	D	D	D	D				
20	Installation of lighting and light signalling devices	76/756/EEC	A+N	A+N	A+N	A+N	A+N	A+N	A+N	A+N	A+N
21	Retro reflectors	76/757/EEC	X	X	X	X	X	X	X	X	X
22	End-outline, front-side, rear-side, stop, day time running, side-marker lamps	76/758/EEC	X	X	X	X	X	X	X	X	X
23	Direction indicators	76/759/EEC	X	X	X	X	X	X	X	X	X
24	Rear registration plate lamps	76/760/EEC	X	X	X	X	X	X	X	X	X
25	Head lamps (including bulbs)	76/761/EEC	X	X	X	X	X				
26	Front fog lamps	76/762/EEC	X	X	X	X	X				
27	Towing hooks	77/389/EEC	A	A	A	A	A				
28	Rear fog lamps	77/538/EEC	X	X	X	X	X	X	X	X	X
29	Reversing lamps	77/539/EEC	X	X	X	X	X	X	X	X	X
30	Parking lamps	77/540/EEC	X	X	X	X	X				
31	Seat belts and restraint systems	77/541/EEC	D	D	D	D	D				
33	Identification of controls	78/316/EEC	X	X	X	X	X				
34	Defrost/demist	78/317/EEC	O	O	O	O	O				
35	Wash/wipe	78/318/EEC	O	O	O	O	O				
36	Heating systems	2001/56/EC	X	X	X	X	X	X	X	X	X
40	Engine power	80/1269/EEC	X	X	X	X	X				
41	Diesel emissions	88/77/EEC	H	H	H	H	H				
42	Lateral protection	89/297/EEC				X	X			X	X
43	Spray suppression systems	91/226/EEC				X	X			X	X

Item	Subject	Regulatory act reference	M_2	M_3	N_1	N_2	N_3	O_1	O_2	O_3	O_4
45	Safety glass	92/22/EEC	J	J	J	J	J	J	J	J	J
46	Tyres	92/23/EEC	X	X	X	X	X	X	X	X	X
47	Speed limiters	92/24/EEC		X		X	X				
48	Masses and dimensions	97/27/EC	X	X	X	X	X	X	X	X	X
49	External projections of cabs	92/114/EEC			X	X	X				
50	Couplings	94/20/EC	X	X	X	X	X	X	X	X	X
51	Flammability	95/28/EC		X							
52	Buses and coaches	2001/85/EC	X	X							
54	Side impact	96/27/EC			A						
56	Vehicles intended for the transport of dangerous goods	98/91/EC				X	X	X	X	X	X
57	Front underrun protection	2000/40/EC				X	X				
58	Pedestrian protection	2003/102/EC			N/A						

Appendix 5

Mobile Cranes

Item	Subject	Regulatory act reference	Mobile crane of category N_1
1	Sound levels	70/157/EEC	T
2	Emissions	70/220/EEC	X
3	Fuel tanks/rear protective devices	70/221/EEC	X
4	Rear registration plate space	70/222/EEC	X
5	Steering effort	70/311/EEC	X crab steering allowed
6	Door latches and hinges	70/387/EEC	A
7	Audible warning	70/388/EEC	X
8	Rear visibility	71/127/EEC	X
9	Braking	71/320/EEC	U
10	Suppression of radio interference	72/245/EEC	X

Item	Subject	Regulatory act reference	Mobile crane of category N_1
11	Diesel smoke	72/306/EEC	X
12	Interior fittings	74/60/EEC	X
13	Anti-theft and immobiliser	74/61/EEC	X
15	Seat strength	74/408/EEC	D
17	Speedometer and reverse gear	75/443/EEC	X
18	Plates (statutory)	76/114/EEC	X
19	Seat belt anchorages	76/115/EEC	D
20	Installation of lighting and light signalling devices	76/756/EEC	A + Y
21	Reflex reflectors	76/757/EEC	X
22	End-outline, front position (side), rear-position (side), stop, side marker, daytime running lamps	76/758/EEC	X
23	Direction indicators	76/759/EEC	X
24	Rear registration plate lamps	76/760/EEC	X
25	Head lamps (including bulbs)	76/761/EEC	X
26	Front fog lamps	76/762/EEC	X
27	Towing hooks	77/389/EEC	A
28	Rear fog lamps	77/538/EEC	X
29	Reversing lamps	77/539/EEC	X
30	Parking lamps	77/540/EEC	X
31	Seat belts and restraint systems	77/541/EEC	D
33	Identification of controls	78/316/EEC	X
34	Defrost/demist	78/317/EEC	O
35	Wash/wipe	78/318/EEC	O
36	Heating systems	2001/56/EC	X
40	Engine power	80/1269/EEC	X
41	Diesel emissions	2005/55/EC	V
42	Lateral protection	89/297/EEC	X
43	Spray-suppression systems	91/226/EEC	X
45	Safety glass	92/22/EEC	J
46	Tyres	92/23/EEC	A, provided that the requirements in ISO 10571-1995 (E) or ETRTO Standards Manual 1998 are fulfilled.
47	Speed limiters	92/24/EEC	X
48	Masses and dimensions	97/27/EC	X
49	External projections of cabs	92/114/EEC	X
50	Couplings	94/20/EC	X
57	Front underrun protection	2000/40/EC	X

Meaning of letters

X No exemptions except those specified in the regulatory act.

N/A This regulatory act is not applicable to this vehicle (no requirements).

A Exemption permitted where special purposes make it impossible to fully comply. The manufacturer shall demonstrate this to the satisfaction of the type-approval authority that the vehicle cannot meet the requirements due to its special purpose.

B Application limited to doors giving access to the seats designated for normal use when the vehicle is travelling on the road and where the distance between the R point of the seat and the average plane of the door surface, measured perpendicular to the longitudinal medium plane of the vehicle, does not exceed 500 mm.

C Application limited to that part of the vehicle in front of the rearmost seat designated for normal use when the vehicle is travelling on the road and also limited to the head impact zone as defined in Directive 74/60/EEC.

D Application limited to seats designated for normal use when the vehicle is travelling on the road. Seats which are designated for use when the vehicle is travelling on the road must be clearly identified to users either by means of a pictogram or a sign with an appropriate text.

E Front only.

F Modification to the routing and length of the refuelling duct and re-positioning of the tank inboard is permissible.

G Requirements according to the category of the base/incomplete vehicle (the chassis of which was used to build the special purpose vehicle). In the case of incomplete/completed vehicles, it is acceptable that the requirements for vehicles of the corresponding category N (based on max. mass) are satisfied.

H Modification of exhaust system length after the last silencer not exceeding 2 m is permissible without any further test.

J For all window glazing other than driver's cab glazing (windshield and side glasses), the material may be either of safety glass or rigid plastic glazing.

K Additional panic alarm devices permitted.

L Application limited to seats designated for normal use when the vehicle is travelling on the road. At least anchorages for lap belts are required in the rear seating positions. Seats which are designated for use when the vehicle is travelling on the road must be clearly identified to users either by means of a pictogram or a sign with an appropriate text.

M Application limited to seats designated for normal use when the vehicle is travelling on the road. At least lap belts are required in all rear seating positions. Seats which are designated for use when the vehicle is travelling on the road must be clearly identified to users either by means of a pictogram or a sign with an appropriate text.

N Provided that all mandatory lighting devices are installed and that the geometric visibility is not affected.

O THe vehicle shall be fitted with an adequate system in the front.

Q Modification of exhaust system length after the last silencer not exceeding 2 m is permissible without any further test. An EC type-approval issued to the most representative base vehicle remains valid irrespective of change in the reference weight.The vehicle shall be fitted with an

adequate system in the front.

R Provided that the registration plates of all Member States can be mounted and remain visible.

S The light transmission factor is at least 60 %, also the 'A' pillar obstruction angle is not more than 10°.

T Test to be performed only with the complete/completed vehicle. The vehicle can be tested according to Directive 70/157/EEC as last amended by 1999/101/EC. Concerning item 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

dB(A) for vehicles with an engine power of not less than 75 kW but less than 150 kW

dB(A) for vehicles with an engine power of not less than 150 kW

U Test to be performed only with the complete/completed vehicle. Vehicles up to 4 axles shall comply with all the requirements laid down by Directive 71/320/EEC. Derogations are admitted for vehicles having more than 4 axles, provided that:

they are justified by the particular construction

all the braking performances, related to parking, service and secondary braking laid down by Directive 71/320/EEC are fulfilled.

V The compliance with Directive 97/68/EC can be accepted.

W_1 Requirements must be complied with, but modification in the exhaust system is permitted without any further test provided the emission control devices including particulate filters (if any) are not affected. 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.

An EC type-approval issued to the most representative base vehicle remains valid irrespective of change in the reference mass.

W_2 Requirements must be complied with, but modification of the routing, length of the refuelling duct, fuel hoses and fuel vapour pipes is permitted. Re-location of the original fuel tank is permitted.

W_3 A wheel-chair location is considered as a seating position. For each wheel-chair sufficient space shall be provided. The longitudinal plane of the special area shall be parallel to the longitudinal plane of the vehicle.

Appropriate information shall be made available to the vehicle owner that a wheel-chair used as a seat in the vehicle must be capable of withstanding the forces transmitted by the tie-down mechanism during the various driving conditions.

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 Directive.

W_4 Compliance with the Directive shall be required for the boarding aids when in the resting position.

W_5 Each wheel-chair location shall be fitted with an integrated restraint system which consists of a restraint system for the wheel-chair and a restraint system for the wheel-chair user.

Anchorages for restraint systems shall resist forces as prescribed in Directive 76/115/EEC and in Standard ISO 10542-1: 2001.

Webbings and hardware intended to secure the wheel-chair (tie-down mechanisms) shall meet the requirements of Directive 77/541/EEC and of the relevant part of Standard ISO 10542.

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 wheel-chair described in Standard ISO 10542.

W_6 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.

W_7 A new measurement relating to CO_2 emissions does not need to be performed when, in application of the provisions under W_1, no fresh tests have to be performed with regard to tail pipe emissions.

W_8 For the purposes of calculations, the mass of the wheel-chair including the user shall be assumed to be 100 kg. The mass shall be concentrated at the H point of the three-dimensional machine.

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. Any limitation in the passenger capacity resulting from the use of electric wheel-chair(s) shall be recorded in the type-approval certificate and an appropriate language thereto shall be included in the certificate of conformity.

W_9 No new test shall be required on the modified vehicle on condition that the front part of the chassis located in front of the R point of the driver is not affected by the conversion of the vehicle and no part of the supplementary restraint system (air-bag(s)) has been removed or deactivated.

W_{10} No new test shall be required on the modified vehicle on condition that the side reinforcements have not been altered and no part of the supplementary restraint system (side air-bag(s)) has been removed or deactivated.

Y Provided that all mandatory lighting devices are installed.

VERŻJONI ELETTRONIKA

10. Schedule XXI to the principal regulations shall be substituted the following:- Substitutes Schedule XXI to the principal regulations.

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SCHEDULE XXI

LIST OF SEPARATE DIRECTIVES AND THEIR AMENDMENTS WHICH ARE IN FORCE

Base Directive no.	Title of Base Directive	Amending Directive No.	Official Journal reference/page	Date of Adoption (Where the effective date shall mean 1st May 2004)	National Requirements relevant to the particular Directive
70/157/EEC	Council Directive of February 6 1970 on the approximation of the laws of the Member States relating to the permissible sound level and the exhaust system of motor vehicles.		L 42 p. 16 23.02.1970	The effective date	None
		73/350/EEC	L 321, p. 33 22.11.1973	The effective date	None
		77/212/EEC	L 66; p. 33 12.03.1977	The effective date	None
		81/334/EEC	L 131, p. 6 18/05/1981	The effective date	None
		84/372/EEC	L 196, p. 47 26.07.1984	The effective date	None
		84/424/EEC	L 238, p. 31 06.09.1984	The effective date	None
		87/354/EEC	L 192; p. 43 11.07.1987	The effective date	None
		89/491/EEC	L 238; p. 43 15.08.1989	The effective date	None
		92/97/EEC	L 371; p. 1 19.12.1992	The effective date	None
		96/20/EC	L 92; p. 23 13.04.1996	The effective date	None
		1999/101/EC	L 334; p. 41 28.12.1999	The effective date	None
		2006/96/EC	L. 363; p. 81 20.12.2006	1st January 2007	None
		2007/34/EC	L. 155; p. 49 15.6.2007	6th July 2008	None
70/220/EEC	Council Directive of March 20 1970 on the approximation of the laws of the Member States relating to measures to be taken against air pollution by gases from positive-ignition engines of motor vehicles		L 76, p. 1 06.04.1970	The effective date	None
		74/290/EEC	L 159; p. 61 15.06.1974	The effective date	None
		77/102/EEC	L 32; p. 32 03.02.1977	The effective date	None
		78/665/EEC	L 223; p. 48 14.08.1978	The effective date	None
		83/351/EEC	L 197; p. 1 20.07.1983	The effective date	None

Base Directive no.	Title of Base Directive	Amending Directive No.	Official Journal reference/page	Date of Adoption (Where the effective date shall mean 1st May 2004)	National Requirements relevant to the particular Directive
		88/76/EEC	L 36; p. 1 09.02.1988	The effective date	None
		88/436/EEC	L 214; p. 1 06.08.1988	The effective date	None
		89/458/EEC	L 226; p. 1 03.08.1989	The effective date	None
		89/491/EEC	L 238; p. 43 15.08.1989	The effective date	None
		91/441/EEC	L 242; p. 1 30.08.1991	The effective date	None
		93/59/EEC	L 186; p. 21 28.07.1993	The effective date	None
		94/12/EC	L 100; p. 42 19.04.1994	The effective date	None
		96/44/EC	L210; p. 25 20.08.1996	The effective date	None
		96/69/EC	L 282; p. 64 01.11.1996	The effective date	None
		98/77/EC	L 286; p. 34 23.10.1998	The effective date	None
		98/69/EC	L 350; p. 1 28.12.1998	The effective date	None
		1999/102/EC	L 334; p. 43 28.12.1999	The effective date	None
		2001/1/EC	L 35; p. 34 06.02.2001	The effective date	None
		2001/100/EC	L 16; p. 34 18.01.2002	The effective date	None
		2002/80/EC	L 291; p. 20	The effective date	None
		2003/76/EC	L 206; p. 29	4 September 2004	None
		2006/96/EC	L. 363; p. 81 20.12.2006	1st January 2007	None
70/221/EEC	Council Directive of March 20, 1970 on the approximation of the laws of the Member States relating to fuel tanks and rear underrun projection of motor vehicles and their trailers.		L 76, p. 23 06.04.1970	The effective date	None
		79/490/EEC	L 128; p. 22 26.05.1979	The effective date	None
		81/333/EEC	L 131; p. 4 18/05/1981	The effective date	None
		97/19/EC	L 125; p. 1 16.05.1997	The effective date	None
		2000/8/EC	L 106; p. 7 03.05.2000	The effective date	None
		2006/20/EC	L 48, p. 16 18.2.2006	11 March 2007	None
		2006/96/EC	L. 363; p. 81 20.12.2006	1st January 2007	None

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Base Directive no.	Title of Base Directive	Amending Directive No.	Official Journal reference/page	Date of Adoption (Where the effective date shall mean 1st May 2004)	National Requirements relevant to the particular Directive
70/222/EEC	Council Directive of March 20, 1970 on the approximation of the laws of the Member States relating to the space for mounting and fixing of rear registration plates on motor vehicles and their trailers.		L 76; p. 25 06.04.1970		
70/311/EEC	Council Directive of June 8, 1970 on the approximation of the laws of the Member States relating to the steering equipment for motor vehicles and their trailers.		L 133, p. 10 18.06.1970	The effective date	None
		92/62/EEC	L 199, p. 33 18.07.1992	The effective date	None
		1999/7/EC	L 40, p. 36 13.02.1999	The effective date	None
70/387/EEC	Council Directive of July 27, 1970 on the approximation of the laws of the Member States relating to the doors of motor vehicles and their trailers.		L 176, p. 5 10.08.1970	The effective date	None
		82/890/EEC	L 378, 31.12.1982	The effective date	None
		98/90/EEC	L 337; p. 29 12.12.1998	The effective date	None
		2001/31/EC	L 130, p. 33 12.05.2001	The effective date	None
70/388/EEC	Council Directive of July 27, 1970 on the approximation of the laws of the Member States relating to audible warning devices for motor vehicles.		L 176, p. 12 10.08.1970	The effective date	None
		87/354/EEC	L 192, p. 43 11.07.1987	The effective date	None
		2006/96/EC	L. 363; p. 81 20.12.2006	1st January 2007	None
71/127/EEC	Council Directive of March 1, 1971 on the approximation of the laws of the Member States relating to the rear-view mirrors of motor vehicles.		L 68, p. 1 22.03.1971	The effective date Repealed from 24th January 2010	
		79/795/EEC	L 239, p. 1 22.09.1979	The effective date	None
		85/205/EEC	L 90, p. 1 29.03.1985	The effective date	None

Base Directive no.	Title of Base Directive	Amending Directive No.	Official Journal reference/page	Date of Adoption (Where the effective date shall mean 1st May 2004)	National Requirements relevant to the particular Directive
		86/562/EEC	L 327, p. 49 22.11.1986	The effective date	None
		87/354/EEC	L 192, p. 43 11.07.1987	The effective date	None
		88/321/EEC	L 147, p. 77 14.06.1988	The effective date	None
		2003/97/EC	L 25, p. 1 29.01.2004	With respect to these regulations - 1st January 2005	None
		2005/27/EC	L 81, 30.3.2005	The effective date	None
		2006/96/EC	L. 363; p. 81 20.12.2006	1st January 2007	None
71/320/EEC	Council Directive of July 26, 1971 on the approximation of the laws of the Member States relating to the braking devices of certain categories of motor vehicles and their trailers.		L 202, p. 37 06.09.1971	The effective date	None
		74/132/EEC	L 74, p. 7 19.03.1974	The effective date	None
		75/524/EEC	L 236, p. 3 08.09.1975	The effective date	None
		79/489/EEC	L 128, p. 12 26.05.1979	The effective date	None
		85/647/EEC	L 380, p. 1 31.12.1985	The effective date	None
		88/194/EEC	L 92, p. 47 09.04.1988	The effective date	None
		91/422/EEC	L 233, p. 21 22.08.1991	The effective date	None
		98/12/EC	L 81, p. 1 18.03.1998	The effective date	None
		2002/78/EC	L 267, p. 23 04.10.2002	The effective date	None
		2006/96/EC	L. 363; 20.12.2006	1st January 2007	None
72/245/EEC	Council Directive of June 20, 1972 relating to the radio interference (Electromagnetic Compatibility) of vehicles.		L 152, p. 15 06.07.1972	The effective date	None
		89/491/EEC	L 238, p. 43 15.08.1989	The effective date	None
		95/54/EC	L 266, p. 1 08.11.1995	The effective date	None
		2004/104/EC	L 337, p. 13 13.11.2004	1 January 2006	None
		2005/49/EC	L 194, p. 12 26.7.2005	1 January 2006	None
		2005/83/EC	L 305, p. 32 24.11.2005	1 October 2006	None

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Base Directive no.	Title of Base Directive	Amending Directive No.	Official Journal reference/page	Date of Adoption (Where the effective date shall mean 1st May 2004)	National Requirements relevant to the particular Directive
		2006/28/EC	L 65, p. 27 7.3.2006	1 July 2006	None
		2006/96/EC	L. 363; p. 81 20.12.2006	1st January 2007	None
72/306/EEC	Council Directive of August 2, 1972 on the approximation of the laws of the Member States relating to measures to be taken against the emission of pollutants from diesel engines for use in vehicles		L 190, p. 1 20.08.1972	The effective date	None
		89/491/EEC	L 238, p. 43 15.08.1989	The effective date	None
		97/20/EC	L 125, p. 21 16.05.97	The effective date	None
		2005/21/EC	L 61, p. 25 8.3.2005	9th March 2006	None
74/60/EEC	Council Directive of December 17, 1973 on the approximation of the laws of the Member States relating to the interior fittings of motor vehicles		L 38, p. 2 11.02.1974	The effective date	None
		78/632/EEC	L 206, p. 26 29.07.1978	The effective date	None
		2000/4/EC	L 87, p. 22 08.04.2000	The effective date	None
74/61/EEC	Council Directive of December 17, 1973 on the approximation of the laws of the Member States relating to devices to prevent the unauthorized use of motor vehicles.		L 38, p. 22 11.02.1974	The effective date	None
		95/56/EEC	L 286, p 1 29.11.1995	The effective date	None
		2006/96/EC	L. 363, p. 81 20.12.2006	1st January 2007	None
74/297/EEC	Council Directive of June 4, 1974 on the approximation of the laws of the Member States relating to the interior fittings of motor vehicles (the behaviour of the steering mechanism in the event of an impact)		L 165, p. 16 20.06.1974	The effective date	None
		91/662/EEC	L 366, p. 1 31.12.1991	The effective date	None
74/408/EEC	Council Directive of July 22, 1974 relating to motor vehicles with regard to the seats, their anchorages and head restraint.		L 221, p. 1 12.08.1974	The effective date	None

Base Directive no.	Title of Base Directive	Amending Directive No.	Official Journal reference/page	Date of Adoption (Where the effective date shall mean 1st May 2004)	National Requirements relevant to the particular Directive
		81/577/EEC	L 209, p. 34 29.07.1981	The effective date	None
		96/37/EC	L 186, p. 28 25.07.1996	The effective date	None
		2005/39/EC	L 255, p. 143 30.9.2005	21 April 2006	None
		2006/96/EC	L. 363, p. 81 20.12.2006	1st January 2007	None
74/483/EEC	Council Directive of September 17, 1974 on the approximation of the laws of the Member States relating to the external projections of motor vehicles.		L 266, p. 4 02.10.1974	The effective date	None
		79/488/EEC	L 128, p. 1 26.05.1979	The effective date	None
		87/354/EEC	L 192, p. 43 11.07.1987	The effective date	None
		2006/96/EC	L 363, p. 81 20.12.2006	5th April 2008	None
		2007/15/EC	L 75, p. 21 15.3.2007	The effective date	None
75/443/EEC	Council Directive of June 26, 1975 on the approximation of the laws of the Member States relating to the reverse and speedometer equipment of motor vehicles.		L 196, p. 1 26.07.1975	The effective date	None
		97/39/EC	L 177, p. 15 05.07.1997	The effective date	None
76/114/EEC	Council Directive of December 18, 1976 on the approximation of the laws of the Member States relating to statutory plates and inscriptions for motor vehicles and their trailers, and their location and method of attachment.		L 24, p. 1 30.01.1976	The effective date	None
		78/507/EEC	L 155, p. 31 13.06.1978	The effective date	None
		87/354/EEC	L 192, p. 43 11.07.1987	The effective date	None
		2006/96/EC	L. 363, p. 81 20.12.2006	1st January 2007	None
76/115/EEC	Council Directive of December 18, 1975 on the approximation of the law of the Member States relating to anchorages for motor vehicle safety belts.		L 24, p. 6 30.01.1976	The effective date	None

Base Directive no.	Title of Base Directive	Amending Directive No.	Official Journal reference/page	Date of Adoption (Where the effective date shall mean 1st May 2004)	National Requirements relevant to the particular Directive
		81/575/EEC	L 209, p. 30 29.07.1981	The effective date	None
		82/318/EEC	L 139, p. 9 19.05.1982	The effective date	None
		90/629/EEC	L 341, p. 14 06.12.1990	The effective date	None
		96/38/EC	L 187, p. 95 26.07.1996	The effective date	None
		2005/41/EC	L 255, p. 149 30.9.2005	21 April 2006	None
76/756/EEC	Council Directive of July 27, 1976 on the approximation of the laws of Member States relating to the installation of lighting and light signaling devices on motor vehicles and their trailers		L 262, p. 1 27.09.1976	The effective date	None
		80/233/EEC	L 51, p. 8 25.02.1980	The effective date	None
		82/244/EEC	L 109, p. 31 22.04.1982	The effective date	None
		83/276/EEC	L 151, p. 47 09.06.1983	The effective date	None
		84/8/EEC	L 9, p. 24 12.01.1984	The effective date	None
		89/278/EEC	L 109, p. 38 20.04.1989	The effective date	None
		91/663/EEC	L 366, p. 17 31.12.1991	The effective date	None
		97/28/EC	L 171, p. 1 30.06.1997	The effective date	None
		2007/35/EC	L.157, p. 14 19.6.2007	10th July 2008	None
		2008/89/EC	L.257, p. 14 25.9.2008	16th October 2009	None
76/757/EEC	Council Directive of July 27, 1976 on the approximation of the laws of Member States relating to retro-reflectors for motor vehicles and their trailers.		L 262, p. 32 27.09.1976	The effective date	None
		87/354/EEC	L 192, p. 43 11.07.1987	The effective date	None
		97/29/EC	L 171, p. 11 30.06.1997	The effective date	None
		2006/96/EC	L. 363; p. 81 20.12.2006	1st January 2007	None

Base Directive no.	Title of Base Directive	Amending Directive No.	Official Journal reference/page	Date of Adoption (Where the effective date shall mean 1st May 2004)	National Requirements relevant to the particular Directive
76/758/EEC	Council Directive of July 27, 1976 on the approximation of the laws of the Member States relating to the end-outline marker lamps, front position (side) lamps, rear position (side) lamps, stop lamps, daytime, running lamps and side marker lamps for motor vehicles and their trailers.		L 262, p. 54 27.09.1976	The effective date	None
		87/354/EEC	L 192, p. 43 11.07.1987	The effective date	None
		89/516/EEC	L 265, p. 1 12.09.1989	The effective date	None
		97/30/EC	L 171, p. 25 30.06.1997	The effective date	None
		2006/96/EC	L. 363, p. 81 20.12.2006	1st January 2007	None
76/759/EEC	Council Directive of July 27, 1976 on the approximation of the laws of the Member States relating to direction indicator lamps for motor vehicles and their trailers		L 262, p. 71 27.09.1976	The effective date	None
		87/354/EEC	L 192, p. 43 11.07.1987	The effective date	None
		89/277/EEC	L 109, p. 25 20.04.1989	The effective date	None
		1999/15/EC	L 97, p. 14 12.04.1999	The effective date	None
		2006/96/EC	L. 363, p. 81 20.12.2006	1st January 2007	None
76/760/EEC	Council Directive of July 27, 1976 on the approximation of the laws of Member States relating to the registration plate lamps for motor vehicles and their trailers.		L 262, p. 85 27.09.1976	The effective date	None
		87/354/EEC	L 192, p. 43 11.07.1987	The effective date	None
		97/31/EC	L 171, p. 49 30.06.1997	The effective date	None
		2006/96/EC	L. 363, p. 81 20.12.2006	1st January 2007	None

Base Directive no.	Title of Base Directive	Amending Directive No.	Official Journal reference/page	Date of Adoption (Where the effective date shall mean 1st May 2004)	National Requirements relevant to the particular Directive
76/761/EEC	Council Directive of July 27, 1976 on the approximation of the laws of the Member States relating to motor vehicle head lamps with function as main beam and/or dipped beam headlamps and to light sources (filament lamps and others) for use in approval lamp units of motor vehicles and of their trailers		L 262, p. 96 27.09.1976	The effective date	None
		87/354/EEC	L 192, p. 43 11.07.1987	The effective date	None
		89/517/EEC	L 265, p. 15 12.09.1989	The effective date	None
		1999/17/EC	L 97, p. 45 12.04.1999	The effective date	None
		2006/96/EC	L. 363, p. 81 20.12.2006	1st January 2007	None
76/762/EEC	Council Directive of July 27, 1976 on the approximation of the laws of the Member States relating to front fog lamps for motor vehicles.		L 262, p. 122 27.09.1976	The effective date	None
		87/354/EEC	L 192, p. 43 11.07.1987	The effective date	None
		1999/18/EC	L 97, p. 82 12.04.1999	The effective date	None
		2006/96/EC	L 363, p. 81 20.12.2006	1st January 2007	None
77/389/EEC	Council Directive of May 17, 1977 on the approximation of the laws of the Member States relating to motor vehicle towing-devices.		L 145, p. 41 13.06.1977	The effective date	None
		96/64/EC	L 258, p. 26 11.10.1996	The effective date	None
77/538/EEC	Council Directive of June 28, 1977 on the approximation of the laws of the Member States relating to rear fog lamps for motor vehicles and their trailers.		L 220, p. 66 29.08.1977	The effective date	None
		87/354/EEC	L 192, p. 43 11.07.1987	The effective date	None
		89/518/EEC	L 265, p. 24 12.09.1989	The effective date	None
		1999/14/EC	L 97, p. 1 12.04.1999	The effective date	None
		2006/96/EC	L. 363, p. 81 20.12.2006	1st January 2007	None

Base Directive no.	Title of Base Directive	Amending Directive No.	Official Journal reference/page	Date of Adoption (Where the effective date shall mean 1st May 2004)	National Requirements relevant to the particular Directive
77/539/EEC	Council Directive of June 28, 1977 on the approximation of the laws of reversing lamps for motor vehicles and their trailers.		L 220, p. 60 29.08.1977	The effective date	None
		87/354/EEC	L 192, p. 43 11.07.1987	The effective date	None
		97/32/EC	L 171; 30.06.1997	The effective date	None
		2006/96/EC	L 363, p. 81 20.12.2006	1st January 2007	None
77/540/EEC	Council Directive of June 28, 1977 on the approximation of the laws of the Member States relating to parking lamps for motor vehicles.		L 220, p. 83 29.08.1977	The effective date	None
		87/354/EEC	L 192, p. 43 11.07.1987	The effective date	None
		1999/16/EC	L 97, p. 33 12.04.1999	The effective date	None
		2006/96/EC	L. 363, p. 81 20.12.2006	1st January 2007	None
77/541/EEC	Council Directive of June 28, 1977 on the approximation of the laws of the Member States relating to safety belts and restraint systems of motor vehicles.		L 220, p. 95 29.08.1977	The effective date	None
		81/576/EEC	L 209, p. 32 29.07.1981	The effective date	None
		82/319/EEC	L 139, p. 17 19.05.1982	The effective date	None
		87/354/EEC	L 192, p. 43 11.07.1987	The effective date	None
		90/628/EEC	L 341, p. 1 06.12.1990	The effective date	None
		96/36/EC	L 178, p. 15 17.07.1996	The effective date	None
		2000/3/EC	L 53, p. 1 25.02.2000	The effective date	None
		2005/40/EC	L 255, p. 146 30.9.2005	21 April 2006	None
		2006/96/EC	L. 363, p. 81 20.12.2006	1st January 2007	None
77/649/EEC	Council Directive of September 27, 1977 on the approximation of laws of the Member States relating to the field of vision of motor vehicle drivers.		L. 267, p. 1 19.10.1977	The effective date	None
		81/643/EEC	L 231, p. 41 15.08.1981	The effective date	None

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Base Directive no.	Title of Base Directive	Amending Directive No.	Official Journal reference/page	Date of Adoption (Where the effective date shall mean 1st May 2004)	National Requirements relevant to the particular Directive
		88/366/EEC	L 181, p. 40 12.07.1988	The effective date	None
		90/630/EEC	L 341, p. 20 06.12.1990	The effective date	None
78/316/EEC	Council Directive of December 21, 1977 on the approximation of the laws of the Member States relating to the interior fittings of motor vehicles (identification of controls, tell-tales and indicators)		L 81, p. 3 28.03.1978	The effective date	None
		93/91/EEC	L 284, p. 25 19.11.1993	The effective date	None
		94/53/EC	L 299, p. 26 22.11.1994	The effective date	None
78/317/EEC	Council Directive of December 21, 1977 on the approximation of the laws of the Member States relating to the defrosting and demisting systems of glazed surfaces of motor vehicles		L 81, p. 27 28.03.1978	The effective date	None
78/318/EEC	Council Directive of December 21, 1977 on the approximation of the laws of the member states relating to the wiper and wash systems of motor vehicles.		L 81, p. 49 28.03.1978	The effective date	None
		94/68/EC	L 354, p. 1 31.12.1994	The effective date	None
		2006/96/EC	L. 363, p. 33 20.12.2006	1st January 2007	None
78/549/EEC	Council Directive of June 12, 1978 on the approximation of the laws of the member states relating to the wheel guards of motor vehicles.		L 168, p. 45 26.06.1978	The effective date	None
		94/78/EC	L 354, p. 10 13.12.1994	The effective date	None
78/932/EEC	Council Directive of October 16; 1978 on the approximation of the laws of the Member States relating to head restraints of seats of motor vehicles.		L 325, p. 1 20.11.1978	The effective date	None
		87/354/EEC	L 192, p. 43 11.07.1987	The effective date	None
		2006/96/EC	L. 363, p. 81 20.12.2006	1st January 2007	None

Base Directive no.	Title of Base Directive	Amending Directive No.	Official Journal reference/page	Date of Adoption (Where the effective date shall mean 1st May 2004)	National Requirements relevant to the particular Directive
80/1268/EEC	Council Directive of December 16, 1980 relating to carbon dioxide emissions and the fuel consumption of motor vehicles.		L 375, p. 36 31.12.1980	The effective date	None
		89/491/EEC	L 238, p. 43 15.08.1989	The effective date	None
		93/116/EC	L 329, p. 39 30.12.1993	The effective date	None
		1999/100/EC	L 334, p. 36 28.12.1999	The effective date	None
		2004/3/EC	L 49, p. 36 19.02.2004	19 February 2005	None
80/1269/EEC	Council Directive of December 16, 1980 on the approximation of the laws of Member States relating to the engine power of motor vehicles.		L 375, p. 46 31.12.1980	The effective date	None
		88/195/EEC	L 92, p. 50 09.04.1988	The effective date	None
		89/491/EEC	L 238, p. 43 15.08.1989	The effective date	None
		97/21/EC	L 125, p. 31 16.05.1997	The effective date	None
		1999/99/EC	L 334, p. 32 28.12.1999	The effective date	None
88/77/EEC	Council Directive of December 3, 1987 on the approximation of the laws of Member States relating to the measures to be taken against the emission of gaseous and particulate pollution from compression ignition engines for use in vehicles, and the emission of gaseous pollutants from positive ignition engines fuelled with natural gas or liquefied petroleum gas for use in vehicles.		L 36, p. 33 09.02.1988	The effective date. Repealed as from 9 November 2006	None
		91/524/EEC	L 295, p. 1 25.10.2000	The effective date. Repealed as from 9 November 2006	None
		1999/96/EC	L 44, p. 1 16.02.2000	The effective date. Repealed as from 9 November 2006	None
		2001/27/EC	L 107, p. 10 18.04.2001	The effective date. Repealed as from 9 November 2006	None

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Base Directive no.	Title of Base Directive	Amending Directive No.	Official Journal reference/page	Date of Adoption (Where the effective date shall mean 1st May 2004)	National Requirements relevant to the particular Directive
2005/55/EC	Directive 2005/55/EC of the European Parliament and of the Council of 28 September 2005 on the approximation of the laws of the Member States relating to the measures to be taken against the emission of gaseous & particulate pollutants from compression-ignition engines for use in vehicles, and the emission of gaseous pollutants from positive-ignition engines fuelled with natural gas or liquefied petroleum gas for use in vehicles		L 275, p. 1 20.10.2005	9 November 2006	None
		2005/78/EC	L 313, p. 1 29.11.2005	9 November 2006	None
		2006/51/EC	L 152, p. 11 07.06.2006	9 November 2006	None
		2008/74/EC	L 192, p. 51 19.7.2008	3 January 2009	None
89/297/EEC	Council Directive 89/297/ EEC of April 13, 1989 on the approximation of the laws of the Member States relating to the lateral protection (side guards) of certain motor vehicles and their trailers		L 124, p. 1 05.05.1989	The effective date	None
91/226/EEC	Council Directive of March 27, 1991 on the approximation of the laws of the Member States relating to the spray-suppression systems of certain categories of motor vehicles and their trailers		L 103, p. 5 23.04.1991	The effective date	None
		2006/96/EC	L. 363, p. 81 20.12.2006	1st January 2007	None
92/21/EEC	Council Directive of March 31, 1992 on the masses and dimensions of motor vehicles of category M_1		L 129, p. 1 14.05.1992	The effective date	None
		95/48/EC	L 233, p. 73 30.09.1995	The effective date	None
92/22/EEC	Council Directive of March 31, 1992 on safety glazing and glazing materials on motor vehicles and their trailers.		L 129, p. 11 14.05.1992	The effective date	None
				The effective date	None
		2001/92/EC	L 291, p. 24 08.11.2001		

Base Directive no.	Title of Base Directive	Amending Directive No.	Official Journal reference/page	Date of Adoption (Where the effective date shall mean 1st May 2004)	National Requirements relevant to the particular Directive
92/23/EEC	Council Directive of March 31, 1992 relating to tyres for motor vehicles and their trailers and to their fitting		L 129, p. 95 14.05.1992	The effective date	None
		2001/43/EC	L 211, p. 25 04.08.2001	The effective date	None
		2005/11/EC	L 46, p. 42 17.02.2005	1st January 2006	None
92/24/EEC	Council Directive of March 31, 1992 relating to speed limitation devices or similar speed limitation on- board systems of certain categories of motor vehicles		L 129, p. 154 14/05/1992	The effective date	None
		2004/11/EC	L 44, p. 19 14.02.2004	18th November 2004	None
92/114/EEC	Council Directive of December 17, 1992 relating to the external projections forward of the cab's rear panel of motor vehicles of category N		L 409, p. 17 31.12.1992	The effective date	None
94/20/EC	Directive of the European Parliament and of the Council of May 30, 1994 relating to the mechanical coupling devices of motor vehicles and their trailers and their attachment to those vehicles		L 195, p. 1 20.07.1994	The effective date	None
		2006/96/EC	L. 363, p. 81 20.12.2006	1st January 2007	None
95/28/EC	Directive of the European Parliament and of the Council of October 24, 1995 relating to the burning behaviour of materials used in the interior construction of certain categories of motor vehicle.		L 281, p. 1 23.11.1995	The effective date	None
		2006/96/EC	L 363, p. 81 20.12.2006	1st January 2007	None
96/27/EC	Directive of the European Parliament and of the Council of May 20, 1996 on the protection of occupants of motor vehicles in the event of a side impact and amending Directive 70/156/ EEC		L 169, p. 1 08.07.1996	The effective date	None

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Base Directive no.	Title of Base Directive	Amending Directive No.	Official Journal reference/page	Date of Adoption (Where the effective date shall mean 1st May 2004)	National Requirements relevant to the particular Directive
96/79/EC	Directive of the European Parliament and of the Council of December 16, 1996 on the protection of occupants of motor vehicles in the event of a frontal impact and amending Directive 70/156/EEC.				
		1999/98/EC	L 009, p. 14 13/01/2000	The effective date	None
97/27/EC	Directive of the European Parliament and of the Council of 22 July 1997 relating to the masses and dimensions of certain categories of motor vehicles and their trailers and amending Directive 70/156/ EEC.		L 233, p. 1 25.08.1997	The effective date	None
		2002/85/EC	L 42, p. 1 13.02.2002	The effective date	None
		2003/19/EC	L 79, p. 6 26.03.2003	The effective date	None
98/91/EC	Directive of the European Parliament and of the Council of December 14, 1998 relating to motor vehicles and their trailers intended for the transport of dangerous goods by road and amending Directive 70/ 156/EEC relating to the type-approval of motor vehicles and their trailers.		L 011, p. 25 16.01.1999	The effective date	None
2000/40/EC	Directive of the European Parliament and of the Council of June 26, 2000 on the approximation of the laws of the Member States relating to the front underrun protection of motor vehicles and amending Council Directive 70/156/EEC		L 203, p. 9 10.08.2000	The effective date	None
		2006/96/EC	L. 363, p. 33 20.12.2006	1st January 2007	None
2001/56/EC	Directive 2001/56/EC of the European Parliament and of the Council of September 27, 2001 relating to heating systems for motor vehicles and their trailers, amending Council Directive 70/156/ EEC and repealing Council Directive 78/548/EEC.		L 292, p. 21 09.11.2001	The effective date	None
		2004/78/EC	L 153, p. 100 30/04/2004	The effective date	None

Base Directive no.	Title of Base Directive	Amending Directive No.	Official Journal reference/page	Date of Adoption (Where the effective date shall mean 1st May 2004)	National Requirements relevant to the particular Directive
		2006/119/EC	L 330, p. 12 28.11.2006	30 September 2007	None
		2006/96/EC	L. 363, p. 81 20.12.2006	1st January 2007	None
2001/85/EC	Directive 2001/85/EC Of The European Parliament and of the Council of November, 20 2001 relating to special provisions for vehicles used for the carriage of passengers comprising more than eight seats in addition to the driver's seat, and amending Directives 70/156/EEC and 97/27/EC		L 42, p. 1 13/02/2002	The effective date	None
		2006/96/EC	L. 363, p. 81 20.12.2006	1st January 2007	None
2003/102/EC	Directive 2003/102/EC of the European Parliament and of the Council of November, 17 2003 relating to the protection of pedestrians and other vulnerable road users before and in the event of a collision with a motor vehicle and amending Council Directive 70/156/EEC		L 321, p. 15 06.02.2003	The effective date	None
		Commission Decision 2004/90/EC	L 31, p. 21 04.02.2004	The effective date	Not applicable
2005/64/EC	Directive 2005/64/EC of the European Parliament and of the Council of 26 October 2005 on the type-approval of motor vehicles with regard to their reusability, recyclability and recoverability and amending Council Directive 70/156/EEC		L 310, p. 10 25.11.2005	15th December 2006	None
2005/66/EC	Directive 2005/66/EC of the European Parliament and of the Council of 26 October 2005 relating to the use of frontal protection systems on motor vehicles and amending Council Directive 70/156/EEC		L 309, p. 37 25.11.2005	25th August 2006	None
		2006/368/EC	L 140, p. 33 29.05.2006	26th November 2006	None
		2006/96/EC	L. 363, p. 81 20.12.2006	1st January 2007	None

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Base Directive no.	Title of Base Directive	Amending Directive No.	Official Journal reference/page	Date of Adoption (Where the effective date shall mean 1st May 2004)	National Requirements relevant to the particular Directive
Regulation (EC) No. 715/2007	Regulation (EC) No 715/2007 of the European Parliament and of the Council of 20 June 2007 on type-approval of motor vehicles with respect to emissions from light passenger and commercial vehicles (Euro 5 and Euro 6) and on access to vehicle repair and maintenance information		L 171, p. 1 22.6.2007	Articles 10(1), and 12 from 2 July 2007	None
2006/40/EC	Relating to emissions from air-conditioning systems in motor vehicles and amending Council Directive 70/156/EEC		L 161, p. 12 14.06.2006	5 January 2008	None
		Commission Regulation No. 706/2007	L 161, p. 33 22.06.2007	5 January 2008	None
		2007/37/EC	L 161, p. 60 22.06.2007	5 January 2008	None

VERŻJONI ELETTRONIKA

11. Schedule XXII to the principal regulations shall be substituted the following:- Substitutes Schedule XXII to the principal regulations.

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SCHEDULE XXII

LIST OF DIRECTIVES AND REGULATIONS AMENDING DIRECTIVE 2007/46/EC WHICH ARE IN FORCE

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Base Directive No or Regulation.	Title of Base Directive/Regulation	Official Journal reference/page
Reg No. 1060/2008	COMMISSION REGULATION (EC) No 1060/2008 of 7 October 2008 replacing Annexes I, III, IV, VI, VII, XI and XV to Directive 2007/46/EC of the European Parliament and of the Council establishing a framework for the approval of motor vehicles and their trailers, and of systems, components and separate technical units intended for such vehicles (Framework Directive)	L292, p.1 31.10.2008
Reg No. 78/2009	COMMISSION REGULATION (EC) No 78/2009 of the European Parliament and of the Council of 14 January 2009 on the type-approval of motor vehicles with regard to the protection of pedestrians and other vulnerable road users, amending Directive 2007/46/EC and repealing Directives 2003/ 102/EC and 2005/66/EC	L35, p.1 4.02.2009
Reg No. 79/2009	COMMISSION REGULATION (EC) No 79/2009 of the European Parliament and of the Council of 14 January 2009 on type-approval of hydrogen-powered motor vehicles, and amending Directive 2007/46/EC	L35, p.32 4.02.2009
Reg No. 385/2009	COMMISSION REGULATION (EC) No 385/2009 of 7 May 2009 replacing Annex IX to Directive 2007/46/EC of the European Parliament and of the Council establishing a framework for the approval of motor vehicles and their trailers, and of systems, components and separate technical units intended for such vehicles (Framework Directive)	L 118, p.13 13.5.2009
Reg No. 595/2009	REGULATION (EC) No 595/2009 of the European Parliament and of the Council of 18th June 2009 on type-approval of motor vehicles and engines with respect to emissions from heavy duty vehicles (Euro VI) and on access to vehicle repair and maintenance information and amending Regulation (EC) No 715/2007 and Directive 2007/46/EC and repealing Directives 80/1269/EEC, 2005/55/EC and 2005/78/EC	L 188, p.1 18.7.2009
Reg No. 631/2009	COMMISSION REGULATION (EC) No 631/2009 of 22 July 2009 laying down detailed rules for the implementation of Annex I to Regulation (EC) 78/2009 of the European Parliament and of the Council on the type-approval of motor vehicles with regard to the protection of pedestrians and other vulnerable road users, amending Directive 2007/46/EC and repealing Directives 2003/102/EC and 2005/66/EC	L195, p.1 25.07.2009
Reg No. 661/2009	REGULATION (EC) 661/2009 of 13 July 2009 concerning type-approval requirements for the general safety of motor vehicles, their trailers and systems, components and separate technical units intended therefore.	L 200, p.1 31.7.2009

Base Directive No or Regulation.	Title of Base Directive/Regulation	Official Journal reference/page
Directive 2010/19/EU	COMMISSION DIRECTIVE 2010/19/EU of 9 March 2010 amending, for the purpose of adaptation to technical progress in the field of spray-suppression systems of certain categories of motor vehicles and their trailers, council Directive 91/226/EEC, and Directive 2007/46/EC of the European Parliament and of the Council.	L 72, p.17 20.03.2010
Reg No. 371/2010	REGULATION (EC) 371/2010 of 16 April 2010 replacing Annexes V,X, XV and XVI to Directive 2007/46/EC of the European Parliament and of the Council establishing a framework for the approval of motor vehicles and their trailers, and of systems, components and separate technical units intended for such vehicles.	L 110, p.1 1.05.2010
Reg No. 183/2011	REGULATION (EU) No 183/2011 of 22 February 2011 amending Annexes IV and VI to Directive 2007/46/EC of the European Parliament and of the Council establishing a framework for the approval of motor vehicles and their trailers and of systems, components and separate technical units intended for such vehicles.	L 53, p.4 26.02.2011
Reg No. 582/2011	REGULATION (EU) of 25 May 2011 implementing and amending Regulation (EC) No 595/2009 of the European Parliament and of the Council with respect to emissions from heavy duty vehicles (Euro VI) and amending Annexes I and III to Directive 2007/46/EC of the European Parliament and of the Council	L 167, p.1 25.06.2011
Reg No. 675/2011	REGULATION (EU) No 678/2011 of 14 July 2011 replacing Annex II and amending Annexes IV, IX and XI to Directive 2007/46/EC of the European Parliament and of the Council establishing a framework for the approval of motor vehicles and their trailers, and of systems, components and separate technical units intended for such vehicles	L 185, p.30 15.7.2011

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