Directive 2007/46/EC of the European Parliament and of the Council of 5 September 2007 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components and separate technical units intended for such vehicles (Framework Directive) (Text with EEA relevance) (repealed)

ANNEX I

COMPLETE LIST OF INFORMATION FOR THE PURPOSE OF EC TYPE-APPROVAL OF VEHICLES, COMPONENTS OR SEPARATE TECHNICAL UNITS

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. . . .

0. GENERAL
- 0.1. . . . .
- 0.2. . . . .
- 0.2.0.1. . . . .
- 0.2.0.2. . . . .
- 0.2.1. . . . .
- 0.2.2. For multi-stage approved vehicles, type-approval information of the base/ previous stage...
- 0.2.2.1. . . . .
- 0.2.3. . . . .
  - 0.2.3.1. . . . .
  - 0.2.3.2. . . . .
  - 0.2.3.3. . . . .
  - 0.2.3.4. . . . .
    - 0.2.3.4.1.. . . . .
    - 0.2.3.4.2.. . . . .
    - 0.2.3.4.3.. . . . .
  - 0.2.3.5. . . . .
  - 0.2.3.6. . . . .
  - 0.2.3.7. . . . .
  - 0.2.3.8. . . . .
  - 0.2.3.9. . . . .
- 0.3. . . . .
- 0.3.0.1. . . . .
- 0.3.0.2. . . . .
- 0.3.1. . . . .
- 0.3.1.1. . . . .
- 0.3.1.2. . . . .
- 0.4. . . . .
- 0.4.1. . . . .
- 0.5. . . . .
- 0.5.1. . . . .
- 0.6. . . . .
- 0.6.1. . . . .
- 0.6.2. . . . .
- 0.7. . . . .
- 0.8. . . . .
- 0.9. . . . .

1. GENERAL CONSTRUCTION CHARACTERISTICS
- 1.1. . . . .

1.2. . . . .
1.3. . . . .
1.3.1. . . . .
1.3.2. . . . .
1.3.3. . . . .
1.4. . . . .
1.5. . . . .
1.6. . . . .
1.7. . . . .
1.8. . . . .
1.8.1. . . . .
1.9. . . . .
1.10. . . . .

2. MASSES AND DIMENSIONS
2.1. Wheelbase(s) (fully loaded) :
2.1.1. . . . .
2.1.2. . . . .
2.1.2.1. . . . .
2.1.2.2. . . . .
2.2. Fifth wheel
2.2.1. . . . .
2.2.1.1. . . . .
2.2.1.2. . . . .
2.2.1.3. . . . .
2.2.2. . . . .
2.2.2.1. . . . .
2.2.2.2. . . . .
2.3. Axle track(s) and width(s)
2.3.1. . . . .
2.3.2. . . . .
2.3.3. . . . .
2.3.4. . . . .
2.4. Range of vehicle dimensions (overall)
2.4.1. . . . .
2.4.1.1. . . . .
2.4.1.1.1.. . . . .
2.4.1.1.2.. . . . .
2.4.1.1.3.. . . . .
2.4.1.2. . . . .
2.4.1.2.1.. . . . .
2.4.1.2.2.. . . . .
2.4.1.3. . . . .
2.4.1.4. . . . .
2.4.1.4.1.. . . . .
2.4.1.5. . . . .
2.4.1.5.1.. . . . .
2.4.1.5.2.. . . . .
2.4.1.6. . . . .
2.4.1.6.1.. . . . .
2.4.1.6.2.. . . . .
2.4.1.6.3.. . . . .
2.4.1.7. . . . .

2.4.1.8. . . . .
2.4.2. . . . .
2.4.2.1. . . . .
2.4.2.1.1.. . . . .
2.4.2.1.2.. . . . .
2.4.2.2. . . . .
2.4.2.2.1.. . . . .
2.4.2.3. . . . .
2.4.2.4. . . . .
2.4.2.4.1.. . . . .
2.4.2.5. . . . .
2.4.2.5.1.. . . . .
2.4.2.5.2.. . . . .
2.4.2.6. . . . .
2.4.2.6.1.. . . . .
2.4.2.6.2.. . . . .
2.4.2.6.3.. . . . .
2.4.2.7. . . . .
2.4.2.8. . . . .
2.4.2.9. . . . .
2.4.3. . . . .
2.4.3.1. . . . .
2.4.3.2. . . . .
2.4.3.3. . . . .
2.5. . . . .
2.6. Mass in running order
2.6.1. Distribution of this mass among the axles and, in the...
2.6.2. . . . .
2.6.3. . . . .
2.7. . . . .
2.7.1. . . . .
2.8. . . . .
2.8.1. . . . .
2.9. . . . .
2.10. . . . .
2.11. Technically permissible maximum towable mass of the towing vehicle
2.11.1. . . . .
2.11.2. . . . .
2.11.3. . . . .
2.11.3.1. . . . .
2.11.3.2. . . . .
2.11.4. . . . .
2.11.5. . . . .
2.11.6. . . . .
2.12. Technically permissible maximum mass at the coupling point:
2.12.1. . . . .
2.12.2. . . . .
2.12.3. . . . .
2.13. . . . .
2.14. . . . .
2.14.1. . . . .
2.15. . . . .
2.16. Registration/in service maximum permissible masses (optional)

2.16.1. . . . .
2.16.2. . . . .
2.16.3. . . . .
2.16.4. . . . .
2.16.5. . . . .
2.17. . . . .
2.17.1. . . . .
2.17.2. . . . .

3. PROPULSION ENERGY CONVERTER
3.1. Manufacturer of the propulsion energy converter(s): …
3.1.1. . . . .
3.1.2. Approval number (if appropriate) including fuel identification marking: …
3.2. Internal combustion engine
3.2.1. Specific engine information
3.2.1.1. Working principle: positive ignition/compression ignition/ dual-fuel
3.2.1.1.1.. . . . .
3.2.1.1.2.. . . . .
3.2.1.2. . . . .
3.2.1.2.1.. . . . .
3.2.1.2.2.. . . . .
3.2.1.2.3.. . . . .
3.2.1.3. . . . .
3.2.1.4. . . . .
3.2.1.5. . . . .
3.2.1.6. . . . .
3.2.1.6.1.. . . . .
3.2.1.6.2.. . . . .
3.2.1.7. . . . .
3.2.1.8. . . . .
3.2.1.9. . . . .
3.2.1.10. . . . .
3.2.1.11. . . . .
3.2.2. Fuel
3.2.2.1. . . . .
3.2.2.1.1.. . . . .
3.2.2.2. . . . .
3.2.2.2.1.. . . . .
3.2.2.3. . . . .
3.2.2.4. . . . .
3.2.2.5. . . . .
3.2.3. Fuel tank(s)
3.2.3.1. . . . .
3.2.3.1.1.. . . . .
3.2.3.1.1.1. . . . .
3.2.3.1.2.. . . . .
3.2.3.1.3.. . . . .
3.2.3.2. . . . .
3.2.3.2.1.. . . . .
3.2.3.2.1.1. . . . .
3.2.3.2.2.. . . . .

3.2.7.3. . . . .
3.2.7.3.1.. . . . .
3.2.7.3.2.. . . . .
3.2.7.3.2.1. . . . .
3.2.7.3.2.2. . . . .
3.2.7.3.3.. . . . .
3.2.8. Intake system
3.2.8.1. . . . .
3.2.8.1.1.. . . . .
3.2.8.1.2.. . . . .
3.2.8.1.3.. . . . .
3.2.8.2. . . . .
3.2.8.2.1.. . . . .
3.2.8.3. . . . .
3.2.8.3.1.. . . . .
3.2.8.3.2.. . . . .
3.2.8.3.3.. . . . .
3.2.8.4. . . . .
3.2.8.4.1.. . . . .
3.2.8.4.2.. . . . .
3.2.8.4.2.1. . . . .
3.2.8.4.2.2. . . . .
3.2.8.4.3.. . . . .
3.2.8.4.3.1. . . . .
3.2.8.4.3.2. . . . .
3.2.9. Exhaust system
3.2.9.1. . . . .
3.2.9.2. . . . .
3.2.9.2.1.. . . . .
3.2.9.3. . . . .
3.2.9.3.1.. . . . .
3.2.9.4. Type, marking of exhaust silencer(s): …
3.2.9.5. . . . .
3.2.9.6. . . . .
3.2.9.7. . . . .
3.2.9.7.1.. . . . .
3.2.9.7.2.. . . . .
3.2.10. . . . .
3.2.11. Valve timing or equivalent data
3.2.11.1. . . . .
3.2.11.2. . . . .
3.2.12. Measures taken against air pollution
3.2.12.0. . . . .
3.2.12.1. . . . .
3.2.12.1(Euro VI only) Device for recycling crankcase gases: yes/no (2)...
3.2.12.2. . . . .
3.2.12.2.1.. . . . .
3.2.12.2.1.1. . . . .
3.2.12.2.1.2. . . . .
3.2.12.2.1.3. . . . .
3.2.12.2.1.4. . . . .
3.2.12.2.1.5. . . . .

3.2.12.2.6.7. Normal operating temperature: … (K) and pressure range … (KPa)...
3.2.12.2.6.8. . . . .
3.2.12.2.6.8.1. . . . .
3.2.12.2.6.8.1.1. . . . .
3.2.12.2.6.8.2. . . . .
3.2.12.2.6.8.2.1. . . . .
3.2.12.2.6.9. . . . .
3.2.12.2.6.9.1. . . . .
3.2.12.2.7. . . . .
3.2.12.2.7.0.1. . . . .
3.2.12.2.7.0.2. . . . .
3.2.12.2.7.0.3. . . . .
3.2.12.2.7.0.4. . . . .
3.2.12.2.7.0.5. . . . .
3.2.12.2.7.0.6. . . . .
3.2.12.2.7.0.7. . . . .
3.2.12.2.7.0.8. . . . .
3.2.12.2.7.1. . . . .
3.2.12.2.7.2. . . . .
3.2.12.2.7.3. . . . .
3.2.12.2.7.3.1 . . . .
3.2.12.2.7.3.1.1. . . . .
3.2.12.2.7.3.1.2. . . . .
3.2.12.2.7.3.1.3. . . . .
3.2.12.2.7.3.1.4. . . . .
3.2.12.2.7.3.2. . . . .
3.2.12.2.7.3.2.1. . . . .
3.2.12.2.7.3.2.2. . . . .
3.2.12.2.7.3.2.3. . . . .
3.2.12.2.7.3.2.4. . . . .
3.2.12.2.7.3.2.5. . . . .
3.2.12.2.7.4. . . . .
3.2.12.2.7.5. . . . .
3.2.12.2.7.6. . . . .
3.2.12.2.7.6.1. . . . .
3.2.12.2.7.6.2. . . . .
3.2.12.2.7.6.3. A comprehensive document describing all sensed components with the strategy...
3.2.12.2.7.6.4. . . . .
3.2.12.2.7.6.4.1. Light-duty vehicles
3.2.12.2.7.6.4.2. Heavy-duty vehicles
3.2.12.2.7.6.5. . . . .
3.2.12.2.7.7. . . . .
3.2.12.2.7.8. As an alternative to a manufacturer reference provided in Section...
3.2.12.2.7.8. . . . .
3.2.12.2.7.8.0. . . . .
3.2.12.2.7.8.1. . . . .
3.2.12.2.7.8.2. . . . .
3.2.12.2.7.8.3. . . . .
3.2.12.2.8. . . . .
3.2.12.2.8.1. . . . .

3.2.15.3.1. . . . .
3.2.15.3.2. . . . .
3.2.15.3.3. . . . .
3.2.16. NG fuelling system: yes/no
3.2.16.1. . . . .
3.2.16.2. . . . .
3.2.16.2.1. . . . .
3.2.16.2.2. . . . .
3.2.16.2.3. . . . .
3.2.16.3. . . . .
3.2.16.3.1. . . . .
3.2.16.3.2. . . . .
3.2.16.3.3. . . . .
3.2.17. Specific information related to gas and dual-fuel engines for heavy-duty...
3.2.17.1. . . . .
3.2.17.2. . . . .
3.2.17.2.1. . . . .
3.2.17.2.2. . . . .
3.2.17.2.3. . . . .
3.2.17.2.4. Pressure in final stage
3.2.17.2.5. . . . .
3.2.17.2.6. . . . .
3.2.17.2.7. . . . .
3.2.17.3. . . . .
3.2.17.3.1. . . . .
3.2.17.3.2. . . . .
3.2.17.3.3. . . . .
3.2.17.4. . . . .
3.2.17.4.1. . . . .
3.2.17.4.2. . . . .
3.2.17.4.3. . . . .
3.2.17.4.4. . . . .
3.2.17.4.5. . . . .
3.2.17.4.6. . . . .
3.2.17.5. . . . .
3.2.17.5.1. . . . .
3.2.17.5.2. . . . .
3.2.17.5.3. . . . .
3.2.17.5.3.1. . . . .
3.2.17.5.3.2. . . . .
3.2.17.5.3.3. . . . .
3.2.17.5.3.4. . . . .
3.2.17.5.4. . . . .
3.2.17.5.4.1. . . . .
3.2.17.5.4.2. . . . .
3.2.17.5.4.3. . . . .
3.2.17.5.5. . . . .
3.2.17.5.5.1. . . . .
3.2.17.5.5.2. . . . .
3.2.17.5.5.3. . . . .
3.2.17.6. . . . .
3.2.17.6.1. . . . .

3.2.20.2.3. . . . .
3.2.20.2.4. . . . .
3.2.20.2.5. . . . .
3.2.20.2.5.1. . . . .
3.2.20.2.5.2. . . . .
3.2.20.2.6. . . . .

3.3. Electric machine
3.3.1. . . . .
3.3.1.1. . . . .
3.3.1.1.1 Maximum net power … kW
3.3.1.1.2 Maximum 30 minutes power … kW
3.3.1.2. . . . .
3.3.2. . . . .
3.3.2.1. . . . .
3.3.2.2. . . . .
3.3.2.3. . . . .
3.3.2.4. . . . .

3.4. Combinations of propulsion energy converters
3.4.1. . . . .
3.4.2. . . . .
3.4.3. Operating mode switch: with/without
3.4.3.1. . . . .
3.4.3.1.1. . . . .
3.4.3.1.2. . . . .
3.4.3.1.3 Hybrid modes: yes/no
3.4.4. Description of the energy storage device: (REESS, capacitor, flywheel/ generator)
3.4.4.1. . . . .
3.4.4.2. . . . .
3.4.4.3. . . . .
3.4.4.4. . . . .
3.4.4.5. . . . .
3.4.4.6. . . . .
3.4.5. Electric machine (describe each type of electric machine separately)
3.4.5.1. . . . .
3.4.5.2. . . . .
3.4.5.3. . . . .
3.4.5.3.1. . . . .
3.4.5.4. . . . .
3.4.5.5. . . . .
3.4.5.5.1. . . . .
3.4.5.5.2. . . . .
3.4.5.5.3. . . . .
3.4.6. Control unit
3.4.6.1. . . . .
3.4.6.2. . . . .
3.4.6.3. . . . .
3.4.7. Power controller
3.4.7.1. . . . .
3.4.7.2. . . . .
3.4.7.3. . . . .
3.4.8. . . . .
3.4.9. . . . .

3.5. Manufacturer's declared values for determination of CO2 emissions/fuel consumption/electric consumption/electric...
3.5.1. CO2 mass emissions
3.5.1.1. . . . .
3.5.1.2. . . . .
3.5.1.3. . . . .
3.5.2. Fuel consumption (provide details for each reference fuel tested)
3.5.2.1. . . . .
3.5.2.2. . . . .
3.5.2.3. . . . .
3.5.3. . . . .
3.5.3.1. . . . .
3.5.3.2. . . . .
3.5.3.3. . . . .
3.5.3. Electric energy consumption for electric vehicles
3.5.3.1. . . . .
3.5.3.2. Electric energy consumption for externally chargeable hybrid electric vehicles
3.5.4. CO2 emissions for heavy duty engines (Euro VI only)
3.5.4.1. . . . .
3.5.4.2. . . . .
3.5.4.3. . . . .
3.5.4.4. . . . .
3.5.4.5. . . . .
3.5.4.6. . . . .
3.5.5. Fuel consumption for heavy duty engines (Euro VI only)
3.5.5.1. . . . .
3.5.5.2. . . . .
3.5.5.3. . . . .
3.5.5.4. . . . .
3.5.5.5. . . . .
3.5.5.6. . . . .
3.5.6. . . . .
3.5.6.1. . . . .
3.5.6.2. . . . .
3.5.6.3. . . . .
3.5.7. . . . .
3.5.7.1. Test vehicle parameters (y)
3.5.7.1.1.. . . . .
3.5.7.1.1.1. . . . .
3.5.7.1.1.2. . . . .
3.5.7.1.1.2.1.. . . . .
3.5.7.1.1.2.2.. . . . .
3.5.7.1.1.2.3.. . . . .
3.5.7.1.2.. . . . .
3.5.7.1.2.1. . . . .
3.5.7.1.2.2. . . . .
3.5.7.1.2.2.1.. . . . .
3.5.7.1.2.2.2.. . . . .
3.5.7.1.2.2.3.. . . . .
3.5.7.1.3.. . . . .
3.5.7.1.3.1. . . . .
3.5.7.1.3.2. . . . .

3.6.1.1. Liquid cooling
3.6.1.2. Air cooling
3.6.1.2.1. . . . .
3.6.1.2.2. . . . .
3.6.2. . . . .
3.6.3. . . . .
3.6.4. Fuel temperature
3.6.5. Lubricant temperature
3.6.6. Fuel pressure
3.7. Engine-driven equipment
3.8. Lubrication system
3.8.1. Description of the system
3.8.1.1. . . . .
3.8.1.2. . . . .
3.8.2. Lubricating pump
3.8.2.1. . . . .
3.8.2.2. . . . .
3.8.3. Mixture with fuel
3.8.3.1. . . . .
3.8.4. Oil cooler: yes/no
3.8.4.1. . . . .
3.8.4.1.1. . . . .
3.8.4.1.2. . . . .
3.8.5. . . . .

4. TRANSMISSION
4.1. . . . .
4.2. . . . .
4.2.1. . . . .
4.3. . . . .
4.3.1. . . . .
4.4. Clutch(es): …
4.4.1. . . . .
4.4.2. . . . .
4.5. Gearbox
4.5.1. . . . .
4.5.1.1. . . . .
4.5.1.2. . . . .
4.5.1.3. . . . .
4.5.1.4. . . . .
4.5.1.5. . . . .
4.5.2. . . . .
4.5.3. . . . .
4.6. Gear ratios
4.6.1. . . . .
4.6.1.1. . . . .
4.6.1.2. . . . .
4.6.1.3. . . . .
4.6.1.3.1. . . . .
4.6.1.3.2. . . . .
4.6.1.3.3. . . . .
4.6.1.3.4. . . . .
4.6.1.3.5. . . . .

4.6.1.4. . . . .
4.6.1.5. . . . .
4.6.1.6. . . . .
4.6.1.6.1.. . . . .
4.6.1.6.2.. . . . .
4.6.1.6.3.. . . . .
4.6.1.7. . . . .
4.6.1.7.1.. . . . .
4.7. . . . .
4.8. Speedometer
4.8.1. . . . .
4.8.2. . . . .
4.8.3. . . . .
4.8.4. . . . .
4.8.5. . . . .
4.9. Tachograph: yes/no
4.9.1 . . . .
4.10. . . . .
4.11. Gear shift indicator (GSI)
4.11.1. . . . .
4.11.2. . . . .
4.11.3. . . . .
4.12. . . . .

5. AXLES
5.1. . . . .
5.2. . . . .
5.3. . . . .
5.4. . . . .
5.5. . . . .

6. SUSPENSION
6.1. . . . .
6.2. . . . .
6.2.1. . . . .
6.2.2. . . . .
6.2.3. . . . .
6.2.3.1. . . . .
6.2.3.2. . . . .
6.2.4. . . . .
6.2.4.1. . . . .
6.2.4.2. . . . .
6.3. . . . .
6.4. . . . .
6.5. . . . .
6.6. Tyres and wheels
6.6.1. . . . .
6.6.1.1. . . . .
6.6.1.1.1.. . . . .
6.6.1.1.1.1. . . . .
6.6.1.1.1.2. . . . .
6.6.1.1.1.3. . . . .
6.6.1.1.1.4. . . . .

6.6.1.1.1.5. . . . .
6.6.1.1.2. . . . .
6.6.1.2.1. . . . .
6.6.1.2.2. . . . .
6.6.1.2.3. . . . .
6.6.1.2.4. . . . .
6.6.1.2.5. Wheel off-set(s): …
6.6.1.2. . . . .
6.6.2. . . . .
6.6.2.1. . . . .
6.6.2.2. . . . .
6.6.2.3. . . . .
6.6.2.4. Axle 4: …mm
6.6.3. . . . .
6.6.4. . . . .
6.6.5. . . . .

7. STEERING
7.1. . . . .
7.2. Transmission and control
7.2.1. . . . .
7.2.2. . . . .
7.2.2.1. . . . .
7.2.3. . . . .
7.2.3.1. . . . .
7.2.4. . . . .
7.2.5. . . . .
7.2.6. . . . .
7.3. Maximum steering angle of the wheels
7.3.1. . . . .
7.3.2. . . . .

8. BRAKES
8.1. . . . .
8.2. . . . .
8.2.1. . . . .
8.2.2. . . . .
8.2.3. . . . .
8.2.4. . . . .
8.2.5. . . . .
8.3. . . . .
8.4. . . . .
8.5. . . . .
8.5.1. . . . .
8.6. . . . .
8.7. . . . .
8.7.1. . . . .
8.7.2. . . . .
8.8. . . . .
8.9. . . . .
8.10. . . . .
8.11. . . . .

9.10.8.2.2.. . . . .
9.10.8.2.4.. . . . .
9.10.8.3. . . . .
9.11. External projections
9.11.1. . . . .
9.11.2. . . . .
9.11.3. . . . .
9.11.4. . . . .
9.11.5. . . . .
9.12. Safety belts and/or other restraint systems
9.12.1. Number and position of safety belts and restraint systems and...
9.12.2. Nature and position of supplementary restraint systems (indicate yes/no/optional)
9.12.3. . . . .
9.12.4. . . . .
9.13. Safety belt anchorages
9.13.1. . . . .
9.13.2. . . . .
9.13.3. Designation of the types of safety belt authorised for fitting...
9.13.4. . . . .
9.14. Space for mounting rear registration plates (give range where appropriate,...
9.14.1. . . . .
9.14.2. . . . .
9.14.3. . . . .
9.14.4. . . . .
9.14.5. . . . .
9.14.6. . . . .
9.14.7. . . . .
9.15. Rear under-run protection
9.15.0. . . . .
9.15.1. . . . .
9.15.2. . . . .
9.16. Wheel guards
9.16.1. . . . .
9.16.2. . . . .
9.17. Statutory plates
9.17.1. . . . .
9.17.2. . . . .
9.17.3. . . . .
9.17.4. . . . .
9.17.4.1. . . . .
9.17.4.2. . . . .
9.18. Radio interference/electromagnetic compatibility
9.18.1. . . . .
9.18.2. . . . .
9.18.3. . . . .
9.18.4. . . . .
9.19. Lateral protection
9.19.0. . . . .
9.19.1. . . . .
9.19.2. . . . .
9.20. Spray-suppression system
9.20.0. . . . .

ANNEX II

GENERAL DEFINITIONS, CRITERIA FOR VEHICLE CATEGORISATION, VEHICLE TYPES AND TYPES OF BODYWORK

PART A

Criteria for vehicle categorisation

1. Vehicle categories

2. Vehicle subcategories
   - 2.1. Off-road vehicles
   - 2.2. Special purpose vehicles
     - 2.2.1. . . . .
   - 2.3. Off road special purpose vehicle
     - 2.3.1. . . . .

3. Criteria for the categorisation of vehicles in category N
   - 3.1. . . . .
   - 3.2. . . . .
   - 3.3. . . . .
   - 3.4. . . . .
     - 3.4.1. . . . .
     - 3.4.2. . . . .
   - 3.5. . . . .
   - 3.6. . . . .
     - 3.6.1. . . . .
     - 3.6.2. . . . .
   - 3.7. . . . .
   - 3.8. . . . .
     - 3.8.1. . . . .
     - 3.8.2. . . . .
       - 3.8.2.1. . . . .
       - 3.8.2.2. . . . .
       - 3.8.2.3. Specific conditions for measurement
         - 3.8.2.3.1. Definitions
         - 3.8.2.3.2. Seat adjustments
         - 3.8.2.3.3. Vehicle conditions
         - 3.8.2.3.4.. . . . .
         - 3.8.2.3.5.. . . . .
     - 3.8.3. . . . .
       - 3.8.3.1. . . . .
       - 3.8.3.2. . . . .
       - 3.8.3.3. . . . .
       - 3.8.3.4. . . . .

4. Criteria for the subcategorisation of vehicles as off-road vehicles
   - 4.1. . . . .
   - 4.2. . . . .
   - 4.3. . . . .
   - 4.4. . . . .

5. Special purpose vehicles

6. Remarks
   - 6.1. . . . .
   - 6.2. . . . .

PART B

Criteria for vehicle types, variants and versions

1. Category M1
   - 1.1. Vehicle type
     - 1.1.1. . . . .
     - 1.1.2. . . . .
     - 1.1.3. . . . .
   - 1.2. Variant
     - 1.2.1. . . . .
   - 1.3. Version
     - 1.3.1. . . . .

2. Categories M2 and M3
   - 2.1. Vehicle type
     - 2.1.1. . . . .
     - 2.1.2. . . . .
   - 2.2. Variant
     - 2.2.1. . . . .
   - 2.3. Version
     - 2.3.1. . . . .

3. Category N1
   - 3.1. Vehicle type
     - 3.1.1. . . . .
     - 3.1.2. . . . .
     - 3.1.3. . . . .
   - 3.2. Variant
     - 3.2.1. . . . .
   - 3.3. Version
     - 3.3.1. . . . .

4. Categories N2 and N3
   - 4.1. Vehicle type
     - 4.1.1. . . . .
     - 4.1.2. . . . .
   - 4.2. Variant
     - 4.2.1. . . . .
   - 4.3. Version
     - 4.3.1. . . . .

5. Categories O1 and O2
   - 5.1. Vehicle type
     - 5.1.1. . . . .
     - 5.1.2. . . . .
   - 5.2. Variant
     - 5.2.1. . . . .
   - 5.3. Version
     - 5.3.1. . . . .

6. Categories O3 and O4
   - 6.1. Vehicle type

PART C

Definitions of types of bodywork

Appendix 1

2. Measurement of approach, departure and ramp angles
   - 2.1. . . . .
   - 2.2. . . . .
   - 2.3. . . . .
   - 2.4. . . . .
   - 2.5. . . . .
3. Measurement of ground clearance
   - 3.1. Ground clearance between the axles
     - 3.1.1. ‘Ground clearance between the axles’ means the shortest distance between...
     - 3.1.2. . . . .
   - 3.2. Ground clearance beneath one axle
     - 3.2.1. ‘Ground clearance beneath one axle’ means the distance beneath the...
     - 3.2.2. . . . .
4. Gradeability
   - 4.1. . . . .
   - 4.2. . . . .
   - 4.3. . . . .
   - 4.4. . . . .
5. Test conditions and pass-fail criterion
   - 5.1. . . . .
   - 5.2. . . . .

Appendix 2

Digits used to supplement the codes to be used for...

01 . . . .
02 . . . .
03 . . . .
04 . . . .
05 . . . .
06 . . . .
07 . . . .
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29 . . . .
30 . . . .
31 . . . .
99 . . . .

ANNEX III

INFORMATION DOCUMENT FOR THE PURPOSE OF EC TYPE-APPROVAL OF VEHICLES

PART I

A. Categories M and N
- 0. GENERAL
  - 0.1. . . . .
  - 0.2. . . . .
  - 0.2.1. . . . .
  - 0.2.2.1. Allowed Parameter Values for multistage type approval to use the...
  - 0.2.2. For multi-stage approved vehicles, type-approval information of the base/previous stage...
  - 0.3. . . . .
  - 0.3.1. . . . .
  - 0.4. . . . .
  - 0.4.1. . . . .
  - 0.5. . . . .
  - 0.5.1. . . . .
  - 0.8. . . . .
  - 0.9. . . . .
- 1. GENERAL CONSTRUCTION CHARACTERISTICS OF THE VEHICLE
  - 1.1. . . . .
  - 1.3. . . . .
  - 1.3.1. . . . .
  - 1.3.2. . . . .
  - 1.3.3. . . . .
  - 1.4. . . . .
  - 1.6. . . . .
  - 1.8. . . . .
  - 1.8.1. . . . .
  - 1.9. . . . .
  - 1.10. . . . .
- 2. MASSES AND DIMENSIONS (f)(g)(7)
  - 2.1. Wheelbase(s) (fully loaded) (g1):
    - 2.1.1. . . . .
    - 2.1.2. Vehicles with three or more axles
      - 2.1.2.1. . . . .
      - 2.1.2.2. . . . .
      - 2.3.1. . . . .
      - 2.3.2. . . . .

2.4. Range of vehicle dimensions (overall)
2.4.1. For chassis without bodywork
2.4.1.1. . . . .
2.4.1.1.1.. . . . .
2.4.1.1.2.. . . . .
2.4.1.2. . . . .
2.4.1.2.1.. . . . .
2.4.1.2.2.. . . . .
2.4.1.3. . . . .
2.4.2. For chassis with bodywork
2.4.2.1. . . . .
2.4.2.1.1.. . . . .
2.4.2.2. . . . .
2.4.2.2.1.. . . . .
2.4.2.3. . . . .
2.5. . . . .
2.6. Mass in running order (h)
2.6.1. Distribution of this mass among the axles and, in the...
2.6.2. . . . .
2.7. . . . .
2.8. . . . .
2.8.1. . . . .
2.9. . . . .
2.10. . . . .
2.11. Technically permissible maximum towable mass of the towing vehicle
2.11.1. . . . .
2.11.2. . . . .
2.11.3. . . . .
2.11.4. . . . .
2.11.5. . . . .
2.11.6. . . . .
2.12. . . . .
2.12.1. . . . .
2.12.2. . . . .
2.16. . . . .
2.16.1. . . . .
2.16.2. . . . .
2.16.3. . . . .
2.16.4. . . . .
2.16.5. . . . .
2.17. . . . .
2.17.1. . . . .
2.17.2. . . . .
3. PROPULSION ENERGY CONVERTER (k)
3.1. . . . .
3.1.1. . . . .
3.1.2. Approval number (if appropriate) including fuel identification marking: …
3.2. Internal combustion engine
3.2.1.1. Working principle: positive ignition/compression ignition/ dual-fuel (1)
3.2.1.1.1.. . . . .
3.2.1.1.2.. . . . .

3.2.1.2. . . . .
3.2.1.3. . . . .
3.2.1.6. . . . .
3.2.1.6.2.. . . . .
3.2.1.8. . . . .
3.2.1.11. . . . .
3.2.2.1. . . . .
3.2.2.2. . . . .
3.2.2.2.1.. . . . .
3.2.2.4. . . . .
3.2.2.5. . . . .
3.2.3. Fuel tank(s)
3.2.3.1. . . . .
3.2.3.1.1.. . . . .
3.2.3.2. . . . .
3.2.3.2.1.. . . . .
3.2.4. Fuel feed
3.2.4.1. . . . .
3.2.4.2. . . . .
3.2.4.2.2.. . . . .
3.2.4.3. . . . .
3.2.7. . . . .
3.2.8. Intake system
3.2.8.1. . . . .
3.2.8.2. . . . .
3.2.8.3.3.. . . . .
3.2.9. Exhaust system
3.2.9.2.1.. . . . .
3.2.9.3.1.. . . . .
3.2.9.4. Type, marking of exhaust silencer(s): …
3.2.9.5. . . . .
3.2.9.7.1.. . . . .
3.2.12. Measures taken against air pollution
3.2.12.1(Euro VI only) Device for recycling crankcase gases: yes/no (2)...
3.2.12.2. . . . .
3.2.12.2.1.. . . . .
3.2.12.2.1.11. . . . .
3.2.12.2.1.11.6.. . . . .
3.2.12.2.1.11.7.. . . . .
3.2.12.2.2.1. . . . .
3.2.12.2.3.. . . . .
3.2.12.2.4.. . . . .
3.2.12.2.5.. . . . .
3.2.12.2.6.. . . . .
3.2.12.2.6.9. . . . .
3.2.12.2.6.9.1.. . . . .
3.2.12.2.7.. . . . .
3.2.12.2.7.0.1.. . . . .
3.2.12.2.7.0.2.. . . . .
3.2.12.2.7.0.3.. . . . .
3.2.12.2.7.0.4.. . . . .
3.2.12.2.7.0.5.. . . . .

3.2.12.2.7.0.6. . . . .
3.2.12.2.7.0.7. . . . .
3.2.12.2.7.0.8. . . . .
3.2.12.2.7.6.5. . . . .
3.2.12.2.7.7. . . . .
3.2.12.2.7.7.1 As an alternative to a manufacturer reference provided in Section...
3.2.12.2.7.8. . . . .
3.2.12.2.7.8.1. . . . .
3.2.12.2.7.8.2. . . . .
3.2.12.2.7.8.3. . . . .
3.2.12.2.8. . . . .
3.2.12.2.8.1. . . . .
3.2.12.2.8.2. . . . .
3.2.12.2.8.2.1. . . . .
3.2.12.2.8.2.2. . . . .
3.2.12.2.8.3. . . . .
3.2.12.2.8.4. . . . .
3.2.12.2.8.5. . . . .
3.2.12.2.8.6. . . . .
3.2.12.2.8.7. . . . .
3.2.12.2.8 Components on-board the vehicle of the systems ensuring the correct...
3.2.12.2.9. . . . .
3.2.12.2.10. . . . .
3.2.12.2.10.1. . . . .
3.2.12.2.11.1. . . . .
3.2.13.1. . . . .
3.2.15. . . . .
3.2.16. . . . .
3.2.17.8.1.0.1. . . . .
3.2.17.8 (Euro. VI only) Calibration for a specific gas composition NG-H/NG-L/NG-HL...

3.3. Electric machine
3.3.1. . . . .
3.3.1.1. . . . .
3.3.1.1.1 Maximum net power (n) … kW
3.3.1.1.2 Maximum 30 minutes power (n) … kW
3.3.1.2. . . . .
3.3.2. . . . .
3.3.2.4. . . . .

3.4. Combinations of propulsion energy converters
3.4.1. . . . .
3.4.2. . . . .
3.5.4. (Euro VI only) CO_2 emissions for heavy duty engines
3.5.4.1. . . . .
3.5.4.2. . . . .
3.5.4.3. . . . .
3.5.4.4. . . . .
3.5.4.5. . . . .
3.5.4.6. . . . .
3.5.5. (Euro VI only) Fuel consumption for heavy duty engines
3.5.5.1. . . . .

3.5.5.2. . . . .
3.5.5.3. . . . .
3.5.5.4. . . . .
3.5.5.5. . . . .
3.5.5.6. . . . .
3.5.7. . . . .
3.5.7.1. . . . .
3.6.5. Lubricant temperature
4. TRANSMISSION (p)
4.2. . . . .
4.5. Gearbox
4.5.1. . . . .
4.6. Gear ratios
4.7. . . . .
4.9. . . . .
4.9.1 . . . .
4.11. Gear shift indicator (GSI)
4.11.1. . . . .
4.11.2. . . . .
5. AXLES
5.1. . . . .
5.2. . . . .
5.3. . . . .
5.4. . . . .
5.5. . . . .
6. SUSPENSION
6.2. . . . .
6.2.1. . . . .
6.2.3. . . . .
6.2.3.1. . . . .
6.2.4. . . . .
6.2.4.1. . . . .
6.6.1. Tyre/wheel combination(s)
6.6.1.1. . . . .
6.6.1.1.1.. . . . .
6.6.1.1.2Axle 2: …
6.6.1.2. . . . .
6.6.2. Upper and lower limits of rolling radii
6.6.2.1. . . . .
6.6.2.2. Axle 2: …
7. STEERING
7.2. Transmission and control
7.2.1. . . . .
7.2.2. . . . .
7.2.3. . . . .
8. BRAKES
8.5. . . . .
8.9. . . . .
8.11. . . . .
9. BODYWORK
9.1. . . . .
9.3. Occupant doors, latches and hinges
9.3.1. . . . .

9.9. Devices for indirect vision
9.9.1. . . . .
9.9.1.1. . . . .
9.9.1.2. . . . .
9.9.1.3. . . . .
9.9.1.6. . . . .
9.9.2. . . . .
9.9.2.1. . . . .
9.10. Interior arrangement
9.10.3. Seats
9.10.3.1. . . . .
9.10.3.1.1.. . . . .
9.10.3.2. . . . .
9.10.4.1. . . . .
9.10.4.2. . . . .
9.10.8 . . . .
9.10.8.1. . . . .
9.12.2. Nature and position of supplementary restraint systems (indicate yes/no/optional):
9.17. Statutory plates
9.17.1. . . . .
9.17.2. . . . .
9.17.3. . . . .
9.17.4.1. . . . .
9.17.4.2. . . . .
9.22. Front under-run protection
9.22.0. . . . .
9.23. Pedestrian protection
9.23.1. . . . .
9.24. . . . .
9.24.1. . . . .
9.24.3. . . . .
11. CONNECTIONS BETWEEN TOWING VEHICLES AND TRAILERS AND SEMI-TRAILERS
11.1. . . . .
11.3. . . . .
11.4. . . . .
11.5. . . . .
12. MISCELLANEOUS
12.7.1. . . . .
12.8. . . . .
12.8.1. . . . .
12.9. Acoustic Vehicle Alerting System (AVAS)
12.9.1. . . . .
12.9.2. . . . .
13. SPECIAL PROVISIONS FOR BUSES AND COACHES
13.1. . . . .
13.1.2. . . . .
13.3. . . . .
13.3.1. . . . .
13.3.2. . . . .
13.3.3. . . . .
13.4. . . . .

13.4.1. . . . .
13.4.2. . . . .
13.4.3. . . . .
13.4.4. . . . .
16. ACCESS TO VEHICLE REPAIR AND MAINTENANCE INFORMATION
16.1. . . . .

B. Category O
0. GENERAL
0.1. . . . .
0.2. . . . .
0.2.1. . . . .
0.3. . . . .
0.3.1. . . . .
0.4. . . . .
0.4.1. . . . .
0.5. . . . .
0.8. . . . .
0.9. . . . .
1. GENERAL CONSTRUCTION CHARACTERISTICS OF THE VEHICLE
1.1. . . . .
1.3. . . . .
1.3.1. . . . .
1.3.2. . . . .
1.4. . . . .
1.9. . . . .
1.10. . . . .
2. MASSES AND DIMENSIONS (f)(g)(7)
2.1. Wheelbase(s) (fully loaded) (g1):
2.1.1. . . . .
2.1.2. Vehicles with three or more axles
2.1.2.1. . . . .
2.1.2.2. . . . .
2.3.1. . . . .
2.3.2. . . . .
2.4. Range of vehicle dimensions (overall)
2.4.1. For chassis without bodywork
2.4.1.1. . . . .
2.4.1.1.1.. . . . .
2.4.1.1.2.. . . . .
2.4.1.1.3.. . . . .
2.4.1.2. . . . .
2.4.1.2.1.. . . . .
2.4.1.2.2.. . . . .
2.4.2. For chassis with bodywork
2.4.2.1. . . . .
2.4.2.1.1.. . . . .
2.4.2.1.2.. . . . .
2.4.2.2. . . . .
2.4.2.2.1.. . . . .
2.4.2.3. . . . .
2.6. Mass in running order (h)
2.6.1. Distribution of this mass among the axles and, in the...

2.6.2. . . . .
2.7. . . . .
2.8. . . . .
2.8.1. . . . .
2.9. . . . .
2.10. . . . .
2.12. . . . .
2.12.2. . . . .
2.16. . . . .
2.16.1. . . . .
2.16.2. . . . .
2.16.3. . . . .
2.16.4. . . . .
2.16.5. . . . .
4. TRANSMISSION
4.7. . . . .
5. AXLES
5.1. . . . .
5.2. . . . .
5.3. . . . .
5.4. . . . .
5.5. . . . .
6. SUSPENSION
6.2. . . . .
6.2.1. . . . .
6.2.4. . . . .
6.2.4.1. . . . .
6.6.1. Tyre/wheel combination(s)
6.6.1.1. Axles
6.6.1.1.1.. . . . .
6.6.1.1.2.Axle 2: …
6.6.1.2. . . . .
6.6.2. Upper and lower limit of rolling radii
6.6.2.1. . . . .
6.6.2.2. Axle 2: …
7. STEERING
7.2. Transmission and control
7.2.1. . . . .
7.2.2. . . . .
7.2.3. . . . .
8. BRAKES
8.5. . . . .
8.9. . . . .
9. BODYWORK
9.1. . . . .
9.17. Statutory plates
9.17.1. . . . .
9.17.2. . . . .
9.17.3. . . . .
9.17.4.1. . . . .
9.17.4.2. . . . .
11. CONNECTIONS BETWEEN TOWING VEHICLES AND TRAILERS AND SEMI-TRAILERS

11.1. . . . .
11.5. . . . .

PART II

Matrix showing the combinations of the entries listed in Part I within the versions and variants of the vehicle type

PART III

Type-approval numbers

. . . .
. . . .
. . . .

ANNEX IV

REQUIREMENTS FOR THE PURPOSE OF EC TYPE-APPROVAL OF VEHICLES

PART I

Appendix 1

Regulatory acts for EC type-approval of vehicles produced in small...

1. . . . .
2. EC type-approvals of small series granted before 1 November 2012...

Appendix 2

Requirements for the approval pursuant to Article 24 of complete...

0. OBJECTIVE
1. ADMINISTRATIVE PROVISIONS
   - 1.1. Categorisation of the vehicle
   - 1.2 Application for individual approval
   - 1.3. Technical services entrusted with individual approvals
   - 1.4. Test reports
   - 1.5. . . . .
   - 1.6. . . . .
   - 1.7. . . . .
   - 1.8. . . . .
2. EXEMPTIONS
   - 2.1. . . . .
   - 2.2. Vehicle type identification
     - (a) . . . .
     - (b) . . . .
3. REVIEW OF THE TECHNICAL REQUIREMENTS
4. TECHNICAL REQUIREMENTS

PART II

List of UNECE regulations recognised as an alternative to directives or regulations mentioned in Part I

ANNEX V

PROCEDURES TO BE FOLLOWED WITH RESPECT TO EC TYPE-APPROVAL

9. Analysis of findings and assessment report
   9.1. . . . .
   9.2. The competent authority's reporting procedures shall ensure that the following...
   9.3. . . . .
   9.4. The assessment report shall include, as a minimum the following:...
10. Granting/confirming a designation
   10.1. . . . .
   10.2. The approval authority shall provide a certificate to the technical...
11. Reassessment and surveillance
   11.1. . . . .
   11.2. The competent authority shall design its plan for reassessment and...
   11.3. . . . .
   11.4. . . . .
   11.5. . . . .
12. Records on designated technical services
   12.1. . . . .
   12.2. . . . .
   12.3. Records on technical services shall include at least the following:...

Appendix 3

General requirements concerning the format of the test reports
1. . . . .
2. . . . .
3. . . . .
4. Moreover it shall include at least the following information:
5. . . . .

ANNEX VI

MODELS OF THE TYPE-APPROVAL CERTIFICATE

MODEL A (to be used for type-approval of a vehicle) Maximum format:...Maximum format: A4 (210 × 297 mm) EC VEHICLE TYPE-APPROVAL...
EC VEHICLE TYPE-APPROVAL CERTIFICATE

SECTION I

0.1. . . . .

0.1. . . . .
0.2. . . . .
0.2.1. . . . .
0.3. . . . .
0.3.1. . . . .
0.4. . . . .
0.5. . . . .
0.5.1. . . . .
0.8. . . . .
0.9. . . . .

SECTION II

. . . .

1. For complete and completed vehicles/variants:
2. For incomplete vehicles/variants:
3. . . . .
4. . . . .

EC VEHICLE TYPE-APPROVAL CERTIFICATE

Appendix List of regulatory acts to which the type of vehicle...(to be filled in only in the case of type-approval...

MODEL B (To be used for type-approval of a vehicle with regard...Maximum format: A4 (210 × 297 mm) EC TYPE-APPROVAL CERTIFICATE...

EC TYPE-APPROVAL CERTIFICATE

SECTION I

0.1. . . . .

0.1. . . . .
0.2. . . . .
0.2.1. . . . .
0.3. . . . .
0.3.1. . . . .
0.4. . . . .
0.5. . . . .
0.8. . . . .
0.9. . . . .

SECTION II

1. . . . .

1. . . . .
2. . . . .
3. . . . .
4. . . . .
5. . . . .
6. . . . .
7. . . . .
8. . . . .

Addendum to EC type-approval certificate No …

1. . . . .
1.1. . . . .
1.1.1. . . . .
2. . . . .
2.1. . . . .
3. . . . .
3.1. . . . .

MODEL C (to be used for component/separate technical unit type-approval) Maximum format:...Maximum format: A4 (210 × 297 mm) EC TYPE-APPROVAL CERTIFICATE...

EC TYPE-APPROVAL CERTIFICATE

SECTION I

0.1. . . . .

0.1. . . . .
0.2. . . . .
0.3. . . . .
0.3.1. . . . .
0.5. . . . .
0.7. . . . .
0.8. . . . .
0.9. . . . .

SECTION II

1. . . . .

1. . . . .
2. . . . .
3. . . . .
4. . . . .
5. . . . .
6. . . . .
7. . . . .
8. . . . .

Addendum to EC type-approval certificate No …

1. . . . .
1.1. . . . .
1.1.1. . . . .
2. . . . .
2.1. . . . .
3. . . . .
3.1. . . . .

MODEL D (to be used for harmonised individual approval of a vehicle...Maximum format: A4 (210 × 297 mm) EC INDIVIDUAL VEHICLE...

EC INDIVIDUAL VEHICLE APPROVAL CERTIFICATE

Section 1

. . . .

0.1. . . . .
0.2. . . . .
0.2.1. . . . .
0.4. . . . .
0.5. . . . .
0.6. . . . .

ANNEX VII

EC TYPE-APPROVAL CERTIFICATE NUMBERING SYSTEM

1. The EC type-approval number shall consist of four sections for...

2. In the case of a type-approval for a whole vehicle,...

3. . . . .

4. . . . .

4.1. Example of a third type-approval (which as yet no extension)...

4.2. Example of the second extension to the fourth vehicle type-approval...

4.3. Example of a whole vehicle type-approval granted to a vehicle...

4.4. Example of a national type-approval granted to a vehicle produced...

4.5. Example of the type-approval number to be stamped on the...

5. Annex VII does not apply to type-approvals granted in accordance...

Appendix

EC component and separate technical unit type-approval mark

1. . . . .

1.1. A rectangle surrounding the lower-case letter ‘e’ followed by the...

1.2. . . . .

1.3. . . . .

2. . . . .

3. . . . .

4. This Appendix does not apply to type-approvals granted in accordance...

Addendum to appendix 1

Example of a component or separate technical unit type-approval mark

. . . .
. . . .

ANNEX VIII

TEST RESULTS

. . . .
. . . .

1. Results of the sound level tests

2. Results of the exhaust emission tests
   - 2.1. Emissions from motor vehicles tested under the test procedure for...
     - 2.1.1. Type 1 test, (vehicle emissions in the test cycle after...
     - 2.1.2. Type 2 test, (emissions data required at type-approval for roadworthiness...
     - 2.1.3. . . . .
     - 2.1.4. . . . .
     - 2.1.5. . . . .
     - 2.1.6. . . . .
     - 2.1.7. . . . .
   - 2.2. Emissions from engines tested under the test procedure for heavy-duty...
     - 2.2.1. Results of the ESC test,,
     - 2.2.2. Result of the ELR test
     - 2.2.3. Result of the ETC test,
     - 2.2.4. Idle test
   - 2.3. Diesel smoke
     - 2.3.1. Results of the test under free acceleration

3. Results of the CO2 emission, fuel/electric energy consumption, and electric...
   - 3.1. Internal combustion engines, including not externally chargeable hybrid electric vehicles...
   - 3.2. Externally chargeable hybrid electric vehicles (OVC)
   - 3.3. Pure electric vehicles
   - 3.4. Hydrogen fuel cell vehicles
   - 3.5. Output report(s) from the correlation tool in accordance with Regulation...
     - 3.5.1. Deviation factor (if applicable)
     - 3.5.2. Verification factor (if applicable)
     - 3.5.3. Internal combustion engines, including not externally chargeable hybrid electric vehicles...
     - 3.5.4. Externally chargeable hybrid electric vehicles (OVC) (1)

4. Results of the tests for vehicles fitted with eco-innovation(s)
   - 4.1. General code of the eco-innovation(s): …

Explanatory notes

ANNEX IX

EC CERTIFICATE OF CONFORMITY

0. OBJECTIVES

1. GENERAL DESCRIPTION
   - 1.1. The certificate of conformity shall consist of two parts.
   - 1.2. . . . .
   - 1.3. . . . .

2. SPECIAL PROVISIONS
   - 2.1. . . . .
   - 2.2. Model B of the certificate of conformity (completed vehicles) shall...
   - 2.3. Model C of the certificate of conformity (incomplete vehicles) shall...

PART I

COMPLETE AND COMPLETED VEHICLES

MODEL A — COMPLETE VEHICLES

EC CERTIFICATE OF CONFORMITY

Side 1

- 0.1. . . . .
- 0.2. Type: …
- 0.2.1. . . . .
- 0.2.3. . . . .
  - 0.2.3.1. . . . .
  - 0.2.3.2. . . . .
  - 0.2.3.3. . . . .
  - 0.2.3.4. . . . .
  - 0.2.3.5. . . . .
  - 0.2.3.6. . . . .
  - 0.2.3.7. . . . .
- 0.4. . . . .
- 0.5. . . . .
- 0.6. Location and method of attachment of the statutory plates: …...
- 0.9. . . . .
- 0.10. . . . .

MODEL A2 — COMPLETE VEHICLES TYPE-APPROVED IN SMALL SERIES

EC CERTIFICATE OF CONFORMITY

Side 1

- 0.1. . . . .
- 0.2. Type: …
- 0.2.1. . . . .
- 0.2.3. . . . .
  - 0.2.3.1. . . . .
  - 0.2.3.2. . . . .
  - 0.2.3.3. . . . .
  - 0.2.3.4. . . . .
  - 0.2.3.5. . . . .
  - 0.2.3.6. . . . .
  - 0.2.3.7. . . . .

0.4. . . . .
0.5. . . . .
0.6. Location and method of attachment of the statutory plates: …...
0.9. . . . .
0.10. . . . .

MODEL FOR COMPLETED VEHICLES

EC CERTIFICATE OF CONFORMITY

Side 1

0.1. . . . .
0.2. Type: …
0.2.1. . . . .
0.2.2. For multi-stage approved vehicles, type-approval information of the base/previous stages...
0.2.3. . . . .
0.2.3.1. . . . .
0.2.3.2. . . . .
0.2.3.3. . . . .
0.2.3.4. . . . .
0.2.3.5. . . . .
0.2.3.6. . . . .
0.2.3.7. . . . .
0.4. . . . .
0.5. . . . .
0.5.1. . . . .
0.6. Location and method of attachment of the statutory plates: …...
0.9. . . . .
0.10. . . . .

SIDE 2

VEHICLE CATEGORY M1 (Complete and completed vehicles)

Side 2

General construction characteristics

1. . . . .
3. . . . .

Main dimensions

4. . . . .
4.1. Axle spacing:
5. . . . .
6. . . . .
7. . . . .

Masses

13. . . . .
13.2. . . . .
16. . . . .
16.1. . . . .
16.2. Technically permissible mass on each axle:
16.4. . . . .
18. Technically permissible maximum towable mass in case of:
19. . . . .

Power plant

20. . . . .

21. . . . .
22. . . . .
23. . . . .
23.1. . . . .
24. . . . .
25. . . . .
26. . . . .
26.1. . . . .
26.2. . . . .
27. . . . .
27.1. . . . .
27.2. . . . .
27.3. . . . .
27.4. . . . .
28. . . . .
28.1. . . . .
28.1.1. . . . .
28.1.2. . . . .
Maximum speed
29. . . . .
Axles and suspension
30. Axle(s) track:
35. . . . .
Brakes
36. . . . .
Bodywork
38. . . . .
40. . . . .
41. . . . .
42. . . . .
42.1. . . . .
42.3. . . . .
Environmental performances
46. Sound level
47. . . . .
47.1. . . . .
47.1.1. . . . .
47.1.2. . . . .
47.1.2.1. . . . .
47.1.3. . . . .
47.1.3.0. . . . .
47.1.3.1. . . . .
47.1.3.2. . . . .
47.2. . . . .
47.2.1. . . . .
47.2.2. . . . .
47.2.3. . . . .
48. . . . .
1.1. test procedure: Type I or ESC
1.2. test procedure: Type 1 (NEDC average values, WLTP highest values)...
2.1. test procedure: ETC (if applicable)
2.2. test procedure: WHTC (EURO VI)

48.1. . . . .
48.2. Declared maximum RDE values (if applicable)
49. . . . .
1. all power trains, except pure electric vehicles (if applicable)
2. pure electric vehicles and OVC hybrid electric vehicles (if applicable)...
3. Vehicle fitted with eco-innovation(s): yes/no
3.1. . . . .
3.2. Total CO2 emissions savings due to the eco-innovation(s) (repeat for...
4. all power trains, except pure electric vehicle, under Regulation (EU)...
5. Pure electric vehicles and OVC hybrid electric vehicles, under Regulation...
5.1. Pure electric vehicles
5.2 OVC hybrid electric vehicles

Miscellaneous
51. . . . .
52. . . . .

SIDE 2
VEHICLE CATEGORY M2 (Completed vehicles)
Side 2

General construction characteristics
1. . . . .
1.1. . . . .
2. . . . .
3. . . . .

Main dimensions
4. . . . .
4.1. Axle spacing:
5. . . . .
6. . . . .
7. . . . .
9. . . . .
12. . . . .

Masses
13. . . . .
13.1. Distribution of this mass amongst the axles:
13.2. . . . .
16. . . . .
16.1. . . . .
16.2. Technically permissible mass on each axle:
16.3. Technically permissible mass on each axle group:
16.4. . . . .
17. . . . .
17.1. . . . .
17.2. Intended registration/in service maximum permissible laden mass on each axle:...
17.3. Intended registration/in service maximum permissible laden mass on each axle...
17.4. . . . .

18. Technically permissible maximum towable mass in case of:
19. . . . .
Power plant
20. . . . .
21. . . . .
22. . . . .
23. . . . .
23.1. . . . .
24. . . . .
25. . . . .
26. . . . .
26.1. . . . .
26.2. . . . .
27. . . . .
27.1. . . . .
27.2. . . . .
27.3. . . . .
27.4. . . . .
28. . . . .
28.1. . . . .
28.1.1. . . . .
28.1.2. . . . .
Maximum speed
29. . . . .
Axles and suspension
30. Axle(s) track:
33. . . . .
35. . . . .
Brakes
36. . . . .
37. . . . .
Bodywork
38. . . . .
39. . . . .
41. . . . .
42. . . . .
42.1. . . . .
42.3. . . . .
43. . . . .
Coupling device
44. . . . .
45.1. . . . .
Environmental performances
46. Sound level
47. . . . .
47.1. . . . .
47.1.1. . . . .
47.1.2. . . . .
47.1.2.1. . . . .
47.1.3. . . . .
47.1.3.0. . . . .
47.1.3.1. . . . .

47.1.3.2. . . . .
47.2. . . . .
47.2.1. . . . .
47.2.2. . . . .
47.2.3. . . . .
48. . . . .
1.1. test procedure: Type I or ESC
1.2. test procedure: Type 1 (NEDC average values, WLTP highest values)...
2.1. test procedure: ETC (if applicable)
2.2. test procedure: WHTC (EURO VI)
48.1. . . . .
48.2. Declared maximum RDE values (if applicable)
49. . . . .
1. all power trains, except pure electric vehicles (if applicable)
2. pure electric vehicles and OVC hybrid electric vehicles (if applicable)...
3. Vehicle fitted with eco-innovation(s): yes/no
3.1. . . . .
3.2. . . . .
3.2.1. . . . .
3.2.2. . . . .
4. all power trains, except pure electric vehicle, under Regulation (EU)...
5. Pure electric vehicles and OVC hybrid electric vehicles, under Regulation...
5.1. Pure electric vehicles
5.2 OVC hybrid electric vehicles

Miscellaneous

51. . . . .
52. . . . .

SIDE 2

VEHICLE CATEGORY M3 (complete and completed vehicles)

Side 2

General construction characteristics

1. . . . .
1.1. . . . .
2. . . . .
3. . . . .

Main dimensions

4. . . . .
4.1. Axle spacing:
5. . . . .
6. . . . .
7. . . . .
9. . . . .
12. . . . .

Masses

13. . . . .
13.1. Distribution of this mass amongst the axles:
13.2. . . . .

16. . . . .
16.1. . . . .
16.2. Technically permissible mass on each axle:
16.3. Technically permissible mass on each axle group:
16.4. . . . .
17. . . . .
17.1. . . . .
17.2. Intended registration/in service maximum permissible laden mass on each axle:...
17.3. Intended registration/in service maximum permissible laden mass on each axle...
17.4. . . . .
18. . . . .
18.1. . . . .
18.3. . . . .
18.4. . . . .
19. . . . .

Power plant

20. . . . .
21. . . . .
22. . . . .
23. . . . .
23.1. . . . .
24. . . . .
25. . . . .
26. . . . .
26.1. . . . .
26.2. . . . .
27. . . . .
27.1. . . . .
27.2. . . . .
27.3. . . . .
27.4. . . . .
28. . . . .

Maximum speed

29. . . . .

Axles and suspension

30.1. . . . .
30.2. . . . .
32. . . . .
33. . . . .
35. . . . .

Brakes

36. . . . .
37. . . . .

Bodywork

38. . . . .
39. . . . .
41. . . . .
42. . . . .
42.1. . . . .
42.2. . . . .
42.3. . . . .

43. . . . .
Coupling device
44. . . . .
45.1. . . . .
Environmental performances
46. Sound level
47. . . . .
47.1. . . . .
47.1.1. . . . .
47.1.2. . . . .
47.1.3. . . . .
47.1.3.0. . . . .
47.1.3.1. . . . .
47.1.3.2. . . . .
48. . . . .
1.1. test procedure: ESC
1.2. test procedure: WHSC (EURO VI)
2.1. test procedure: ETC (if applicable)
2.2. test procedure: WHTC (EURO VI)
48.1. . . . .
Miscellaneous
51. . . . .
52. . . . .

SIDE 2
VEHICLE CATEGORY N1 (Complete and completed vehicles)
Side 2
General construction characteristics
1. . . . .
1.1. . . . .
3. . . . .
Main dimensions
4. . . . .
4.1. Axle spacing:
5. . . . .
6. . . . .
7. . . . .
8. . . . .
9. . . . .
11. . . . .
Masses
13. . . . .
13.1. Distribution of this mass amongst the axles:
13.2. . . . .
14. . . . .
16. . . . .
16.1. . . . .
16.2. Technically permissible mass on each axle:
16.4. . . . .
18. . . . .
18.1. . . . .
18.2. . . . .
18.3. . . . .

18.4. . . . .
19. . . . .
Power plant
20. . . . .
21. . . . .
22. . . . .
23. . . . .
23.1. . . . .
24. . . . .
25. . . . .
26. . . . .
26.1. . . . .
26.2. . . . .
27. . . . .
27.1. . . . .
27.2. . . . .
27.3. . . . .
27.4. . . . .
28. . . . .
28.1. . . . .
28.1.1. . . . .
28.1.2. . . . .
Maximum speed
29. . . . .
Axles and suspension
30. Axle(s) track:
35. . . . .
Brakes
36. . . . .
37. . . . .
Bodywork
38. . . . .
40. . . . .
41. . . . .
42. . . . .
Coupling device
44. . . . .
45.1. . . . .
Environmental performances
46. Sound level
47. . . . .
47.1. . . . .
47.1.1. . . . .
47.1.2. . . . .
47.1.2.1. . . . .
47.1.3. . . . .
47.1.3.0. . . . .
47.1.3.1. . . . .
47.1.3.2. . . . .
47.2. . . . .
47.2.1. . . . .
47.2.2. . . . .
47.2.3. . . . .

48. . . . .
1.1. test procedure: Type 1 or ESC
1.2. test procedure: Type 1 (NEDC average values, WLTP highest values)...
2.1. test procedure: ETC (if applicable)
2.2. test procedure: WHTC (EURO VI)
48.1. . . . .
48.2. Declared maximum RDE values (if applicable)
49. . . . .
1. all power trains, except pure electric vehicles (if applicable)
2. pure electric vehicles and OVC hybrid electric vehicles (if applicable)...
3. Vehicle fitted with eco-innovation(s): yes/no
3.1. . . . .
3.2. Total CO2 emissions saving due to the eco-innovation(s) (repeat for...
4. all power trains except pure electric vehicles under Regulation (EU)...
5. Pure electric vehicles and OVC hybrid electric vehicles, under Regulation...
5.1. Pure electric vehicles or (if applicable)
5.2 OVC hybrid electric vehicles or (if applicable)

Miscellaneous
50. . . . .
51. . . . .
52. . . . .

SIDE 2
VEHICLE CATEGORY N2 (Complete and completed vehicles)
Side 2

General construction characteristics
1. . . . .
1.1. . . . .
2. . . . .
3. . . . .

Main dimensions
4. . . . .
4.1. Axle spacing:
5. . . . .
6. . . . .
7. . . . .
8. . . . .
9. . . . .
11. . . . .
12. . . . .

Masses
13. . . . .
13.1. Distribution of this mass amongst the axles:
13.2. . . . .
16. . . . .
16.1. . . . .

16.2. Technically permissible mass on each axle:
16.3. Technically permissible mass on each axle group:
16.4. . . . .
17. . . . .
17.1. . . . .
17.2. Intended registration/in service maximum permissible laden mass on each axle:...
17.3. Intended registration/in service maximum permissible laden mass on each axle...
17.4. . . . .
18. . . . .
18.1. . . . .
18.2. . . . .
18.3. . . . .
18.4. . . . .
19. . . . .
Power plant
20. . . . .
21. . . . .
22. . . . .
23. . . . .
23.1. . . . .
24. . . . .
25. . . . .
26. . . . .
26.1. . . . .
26.2. . . . .
27. . . . .
27.1. . . . .
27.2. . . . .
27.3. . . . .
27.4. . . . .
28. . . . .
28.1. . . . .
28.1.1. . . . .
28.1.2. . . . .
Maximum speed
29. . . . .
Axles and suspension
31. . . . .
32. . . . .
33. . . . .
35. . . . .
Brakes
36. . . . .
37. . . . .
Bodywork
38. . . . .
41. . . . .
42. . . . .
Coupling device
44. . . . .
45.1. . . . .

Environmental performances
46. Sound level
47. . . . .
47.1. . . . .
47.1.1. . . . .
47.1.2. . . . .
47.1.2.1. . . . .
47.1.3. . . . .
47.1.3.0. . . . .
47.1.3.1. . . . .
47.1.3.2. . . . .
47.2. . . . .
47.2.1. . . . .
47.2.2. . . . .
47.2.3. . . . .
48. . . . .
1.1. test procedure: Type 1 or ESC
1.2. test procedure: Type 1 (NEDC average values, WLTP highest values)...
2.1. test procedure: ETC (if applicable)
2.2. test procedure: WHTC (EURO VI)
48.1. . . . .
48.2. Declared maximum RDE values (if applicable)
49. . . . .
49.1 . . . .
49.2 . . . .
49.3 . . . .
49.4 . . . .
49.5 . . . .
49.6 . . . .
1. all power trains, except pure electric vehicles (if applicable)
2. pure electric vehicles and OVC hybrid electric vehicles (if applicable)...
3. Vehicle fitted with eco-innovation(s): yes/no
3.1. . . . .
3.2. . . . .
3.2.1. . . . .
3.2.2. . . . .
4. all power trains except pure electric vehicles under Regulation (EU)...
5. Pure electric vehicles and OVC hybrid electric vehicles, under Regulation...
5.1. Pure electric vehicles or (if applicable)
5.2 OVC hybrid electric vehicles or (if applicable)

Miscellaneous
50. . . . .
51. . . . .
52. . . . .

SIDE 2
VEHICLE CATEGORY N3 (Complete and completed vehicles)

Side 2

General construction characteristics

1. . . . .
1.1. . . . .
2. . . . .
3. . . . .

Main dimensions

4. . . . .
4.1. Axle spacing:
5. . . . .
6. . . . .
7. . . . .
8. . . . .
9. . . . .
11. . . . .
12. . . . .

Masses

13. . . . .
13.1. Distribution of this mass amongst the axles:
13.2. . . . .
16. . . . .
16.1. . . . .
16.2. Technically permissible mass on each axle:
16.3. Technically permissible mass on each axle group:
16.4. . . . .
17. . . . .
17.1. . . . .
17.2. Intended registration/in service maximum permissible laden mass on each axle:...
17.3. Intended registration/in service maximum permissible laden mass on each axle...
17.4. . . . .
18. Technically permissible maximum towable mass in case of:
19. . . . .

Power plant

20. . . . .
21. . . . .
22. . . . .
23. . . . .
23.1. . . . .
24. . . . .
25. . . . .
26. . . . .
26.1. . . . .
26.2. . . . .
27. . . . .
27.1. . . . .
27.2. . . . .
27.3. . . . .
27.4. . . . .
28. . . . .

Maximum speed

29. . . . .
Axles and suspension
31. . . . .
32. . . . .
33. . . . .
35. . . . .
Brakes
36. . . . .
37. . . . .
Bodywork
38. . . . .
41. . . . .
42. . . . .
Coupling device
44. . . . .
45.1. . . . .
Environmental performances
46. Sound level
47. . . . .
47.1. . . . .
47.1.1. . . . .
47.1.2. . . . .
47.1.3. . . . .
47.1.3.0. . . . .
47.1.3.1. . . . .
47.1.3.2. . . . .
48. . . . .
1.1. test procedure: ESC
1.2. test procedure: WHSC (EURO VI)
2.1. test procedure: ETC (if applicable)
2.2. test procedure: WHTC (EURO VI)
48.1. . . . .
49. . . . .
49.1 . . . .
49.2 . . . .
49.3 . . . .
49.4 . . . .
49.5 . . . .
49.6 . . . .
Miscellaneous
50. . . . .
51. . . . .
52. . . . .

SIDE 2
VEHICLE CATEGORIES O1 AND O2
(complete and completed vehicles)
Side 2
General construction characteristics
1. . . . .
1.1. . . . .
Main dimensions
4. . . . .
4.1. Axle spacing:

5. . . . .
6. . . . .
7. . . . .
10. . . . .
11. . . . .
12. . . . .

Masses

13. . . . .
13.1. Distribution of this mass amongst the axles:
13.2. . . . .
16. . . . .
16.1. . . . .
16.2. Technically permissible mass on each axle:
16.3. Technically permissible mass on each axle group:
19. . . . .

Maximum speed

29. . . . .

Axles and suspension

30.1. . . . .
30.2. . . . .
31. . . . .
32. . . . .
34. . . . .
35. . . . .

Brakes

36. . . . .

Bodywork

38. . . . .

Coupling device

44. . . . .
45.1. . . . .

Miscellaneous

50. . . . .
51. . . . .
52. . . . .

SIDE 2

VEHICLE CATEGORIES O3 AND O4

(complete and completed vehicles)

Side 2

General construction characteristics

1. . . . .
1.1. . . . .
2. . . . .

Main dimensions

4. . . . .
4.1. Axle spacing:
5. . . . .
6. . . . .
7. . . . .
10. . . . .
11. . . . .
12. . . . .

Masses

13. . . . .
13.1. Distribution of this mass amongst the axles:
13.2. . . . .
16. . . . .
16.1. . . . .
16.2. Technically permissible mass on each axle:
16.3. Technically permissible mass on each axle group:
17. . . . .
17.1. . . . .
17.2. Intended registration/in service maximum permissible laden mass on each axle:...
17.3. Intended registration/in service maximum permissible laden mass on each axle...
19. . . . .
Maximum speed
29. . . . .
Axles and suspension
31. . . . .
32. . . . .
34. . . . .
35. . . . .
Brakes
36. . . . .
Bodywork
38. . . . .
Coupling device
44. . . . .
45.1. . . . .
Miscellaneous
50. . . . .
51. . . . .
52. . . . .

PART II

INCOMPLETE VEHICLES

MODEL INCOMPLETE VEHICLES

EC CERTIFICATE OF CONFORMITY

Side 1

0.1. . . . .
0.2. Type: …
0.2.1. . . . .
0.2.2. For multi-stage approved vehicles, type-approval information of the base/previous stages...
0.2.3. . . . .
0.2.3.1. . . . .
0.2.3.2. . . . .
0.2.3.3. . . . .
0.2.3.4. . . . .
0.2.3.5. . . . .
0.2.3.6. . . . .
0.2.3.7. . . . .
0.4. . . . .

0.5. . . . .
0.5.1. . . . .
0.6. Location and method of attachment of the statutory plates: …...
0.9. . . . .
0.10. . . . .

MODEL INCOMPLETE VEHICLES TYPE-APPROVED IN SMALL SERIES
EC CERTIFICATE OF CONFORMITY
Side 1
0.1. . . . .
0.2. Type: …
0.2.1. . . . .
0.2.3. . . . .
0.2.3.1. . . . .
0.2.3.2. . . . .
0.2.3.3. . . . .
0.2.3.4. . . . .
0.2.3.5. . . . .
0.2.3.6. . . . .
0.2.3.7. . . . .
0.4. . . . .
0.5. . . . .
0.6. Location and method of attachment of the statutory plates: …...
0.9. . . . .
0.10. . . . .

SIDE 2
VEHICLE CATEGORY M1 (Incomplete vehicles)
Side 2
General construction characteristics
1. . . . .
3. . . . .
Main dimensions
4. . . . .
4.1. Axle spacing:
5.1. . . . .
6.1. . . . .
7.1. . . . .
12.1. . . . .
Masses
14. . . . .
14.1. Distribution of this mass amongst the axles:
15. . . . .
15.1. Distribution of this mass amongst the axles:
16. . . . .
16.1. . . . .
16.2. Technically permissible mass on each axle:
16.4. . . . .
18. Technically permissible maximum towable mass in case of:
19. . . . .
Power plant
20. . . . .

21. . . . .
22. . . . .
23. . . . .
23.1. . . . .
24. . . . .
25. . . . .
26. . . . .
26.1. . . . .
26.2. . . . .
27. . . . .
27.1. . . . .
27.2. . . . .
27.3. . . . .
27.4. . . . .
28. . . . .
28.1. . . . .
28.1.1. . . . .
28.1.2. . . . .

Maximum speed

29. . . . .

Axles and suspension

30. Axle(s) track:
35. . . . .

Brakes

36. . . . .

Bodywork

41. . . . .
42. . . . .

Environmental performances

46. Sound level
47. . . . .
47.1. . . . .
47.1.1. . . . .
47.1.2. . . . .
47.1.2.1. . . . .
47.1.3. . . . .
47.1.3.0. . . . .
47.1.3.1. . . . .
47.1.3.2. . . . .
47.2. . . . .
47.2.1. . . . .
47.2.2. . . . .
47.2.3. . . . .
48. . . . .
1.1. test procedure: Type 1 or ESC
1.2. test procedure: Type 1 (NEDC average values, WLTP highest values)or...
2.1. test procedure: ETC (if applicable)
2.2. test procedure: WHTC (EURO VI)
48.1. . . . .
49. CO2 emissions/fuel consumption/electric energy consumption (m) (r):

1. All power trains, except pure electric vehicles (if applicable)
2. Pure electric vehicles and OVC hybrid electric vehicles (if applicable)...
3. Vehicle fitted with eco-innovation(s): yes/no (1)
   3.1. . . . .
   3.2. . . . .
4. All power trains, except pure electric vehicle, under Regulation (EU)...
5. Pure electric vehicles and OVC hybrid electric vehicles, under Regulation...
   5.1. Pure electric vehicles
   5.2. OVC hybrid electric vehicles

Miscellaneous

52. . . . .

SIDE 2

VEHICLE CATEGORY M2 (Incomplete vehicles)

Side 2

General construction characteristics

1. . . . .
1.1. . . . .
2. . . . .
3. . . . .

Main dimensions

4. . . . .
4.1. Axle spacing:
5.1. . . . .
6.1. . . . .
7.1. . . . .
12.1. . . . .

Masses

14. . . . .
14.1. Distribution of this mass amongst the axles:
15. . . . .
15.1. Distribution of this mass amongst the axles:
16. . . . .
16.1. . . . .
16.2. Technically permissible mass on each axle:
16.3. Technically permissible mass on each axle group:
16.4. . . . .
17. . . . .
17.1. . . . .
17.2. Intended registration/in service maximum permissible laden mass on each axle:...
17.3. Intended registration/in service maximum permissible laden mass on each axle...
17.4. . . . .
18. . . . .
18.1. . . . .
18.3. . . . .
18.4. . . . .

19. . . . .
Power plant
20. . . . .
21. . . . .
22. . . . .
23. . . . .
23.1. . . . .
24. . . . .
25. . . . .
26. . . . .
26.1. . . . .
26.2. . . . .
27. . . . .
27.1. . . . .
27.2. . . . .
27.3. . . . .
27.4. . . . .
28. . . . .
28.1. . . . .
28.1.1. . . . .
28.1.2. . . . .
Maximum speed
29. . . . .
Axles and suspension
30. Axle(s) track:
33. . . . .
35. . . . .
Brakes
36. . . . .
37. . . . .
Coupling device
44. . . . .
45. . . . .
45.1. . . . .
Environmental performances
46. Sound level
47. . . . .
47.1. . . . .
47.1.1. . . . .
47.1.2. . . . .
47.1.2.1. . . . .
47.1.3. . . . .
47.1.3.0. . . . .
47.1.3.1. . . . .
47.1.3.2. . . . .
47.2. . . . .
47.2.1. . . . .
47.2.2. . . . .
47.2.3. . . . .
48. . . . .
1.1. test procedure: Type 1 or ESC
1.2. test procedure: Type 1 (NEDC average values, WLTP highest values)or...

2.1. test procedure: ETC (if applicable)
2.2. test procedure: WHTC (EURO VI)
48.1. . . . .
49. CO2 emissions/fuel consumption/electric energy consumption (m) (r):
1. All power trains, except pure electric vehicles (if applicable)
2. Pure electric vehicles and OVC hybrid electric vehicles (if applicable)...
3. Vehicle fitted with eco-innovation(s): yes/no (1)
3.1. . . . .
3.2. . . . .
4. All power trains, except pure electric vehicle, under Regulation (EU)...
5. Pure electric vehicles and OVC hybrid electric vehicles, under Regulation...
5.1. Pure electric vehicles
5.2. OVC hybrid electric vehicles

Miscellaneous
52. . . . .

SIDE 2
VEHICLE CATEGORY M3 (Incomplete vehicles)
Side 2

General construction characteristics
1. . . . .
1.1. . . . .
2. . . . .
3. . . . .
Main dimensions
4. . . . .
4.1. Axle spacing:
5.1. . . . .
6.1. . . . .
7.1. . . . .
12.1. . . . .
Masses
14. . . . .
14.1. Distribution of this mass amongst the axles:
15. . . . .
15.1. Distribution of this mass amongst the axles:
16. . . . .
16.1. . . . .
16.2. Technically permissible mass on each axle:
16.3. Technically permissible mass on each axle group:
16.4. . . . .
17. . . . .
17.1. . . . .
17.2. Intended registration/in service maximum permissible laden mass on each axle:...
17.3. Intended registration/in service maximum permissible laden mass on each axle...

17.4. . . . .
18. Technically permissible maximum towable mass in case of:
19. . . . .
Power plant
20. . . . .
21. . . . .
22. . . . .
23. . . . .
23.1. . . . .
24. . . . .
25. . . . .
26. . . . .
26.1. . . . .
26.2. . . . .
27. . . . .
27.1. . . . .
27.2. . . . .
27.3. . . . .
27.4. . . . .
28. . . . .
Maximum speed
29. . . . .
Axles and suspension
30.1. . . . .
30.2. . . . .
32. . . . .
33. . . . .
35. . . . .
Brakes
36. . . . .
37. . . . .
Coupling device
44. . . . .
45. . . . .
45.1. . . . .
Environmental performances
46. Sound level
47. . . . .
47.1. . . . .
47.1.1. . . . .
47.1.2. . . . .
47.1.3. . . . .
47.1.3.0. . . . .
47.1.3.1. . . . .
47.1.3.2. . . . .
48. . . . .
1.1. test procedure: ESC
1.2. test procedure: WHSC (EURO VI)
2.1. test procedure: ETC (if applicable)
2.2. test procedure: WHTC (EURO VI)
48.1. . . . .
Miscellaneous

52. . . . .

SIDE 2

VEHICLE CATEGORY N1 (Incomplete vehicles)

Side 2

General construction characteristics

1. . . . .
1.1. . . . .
3. . . . .

Main dimensions

4. . . . .
4.1. Axle spacing:
5.1. . . . .
6.1. . . . .
7.1. . . . .
8. . . . .
12.1. . . . .

Masses

14. . . . .
14.1. Distribution of this mass amongst the axles:
15. . . . .
15.1. Distribution of this mass amongst the axles:
16. . . . .
16.1. . . . .
16.2. Technically permissible mass on each axle:
16.4. . . . .
18. . . . .
18.1. . . . .
18.2. . . . .
18.3. . . . .
18.4. . . . .
19. . . . .

Power plant

20. . . . .
21. . . . .
22. . . . .
23. . . . .
23.1. . . . .
24. . . . .
25. . . . .
26. . . . .
26.1. . . . .
26.2. . . . .
27. . . . .
27.1. . . . .
27.2. . . . .
27.3. . . . .
27.4. . . . .
28. . . . .
28.1. . . . .
28.1.1. . . . .
28.1.2. . . . .

Maximum speed

29. . . . .
Axles and suspension
30. Axle(s) track:
35. . . . .
Brakes
36. . . . .
37. . . . .
Coupling device
44. . . . .
45. . . . .
45.1. . . . .
Environmental performances
46. Sound level
47. . . . .
47.1. . . . .
47.1.1. . . . .
47.1.2. . . . .
47.1.2.1. . . . .
47.1.3. . . . .
47.1.3.0. . . . .
47.1.3.1. . . . .
47.1.3.2. . . . .
47.2. . . . .
47.2.1. . . . .
47.2.2. . . . .
47.2.3. . . . .
48. . . . .
1.1. test procedure: Type 1 or ESC
1.2. test procedure: Type 1 (NEDC average values, WLTP highest values)...
2.1. test procedure: ETC (if applicable)
2.2. test procedure: WHTC (EURO VI)
48.1. . . . .
49. CO2 emissions/fuel consumption/electric energy consumption (m) (r):
1. All power trains, except pure electric vehicles (if applicable)
2. Pure electric vehicles and OVC hybrid electric vehicles (if applicable)...
3. Vehicle fitted with eco-innovation(s): yes/no (1)
3.1. . . . .
3.2. . . . .
4. All power trains, except pure electric vehicle, under Regulation (EU)...
5. Pure electric vehicles and OVC hybrid electric vehicles, under Regulation...
5.1. Pure electric vehicles
5.2. OVC hybrid electric vehicles
Miscellaneous
52. . . . .

VEHICLE (INCOMPLETE VEHICLES) CATEGORY N2

Side 2

General construction characteristics

1. . . . .
1.1. . . . .
2. . . . .
3. . . . .

Main dimensions

4. . . . .
4.1. Axle spacing:
5.1. . . . .
6.1. . . . .
8. . . . .
12.1. . . . .

Masses

14. . . . .
14.1. Distribution of this mass amongst the axles:
15. . . . .
15.1. Distribution of this mass amongst the axles:
16. . . . .
16.1. . . . .
16.2. Technically permissible mass on each axle:
16.3. Technically permissible mass on each axle group:
16.4. . . . .
17. . . . .
17.1. . . . .
17.2. Intended registration/in service maximum permissible laden mass on each axle:...
17.3. Intended registration/in service maximum permissible laden mass on each axle...
17.4. . . . .
18. Technically permissible maximum towable mass in case of:
19. . . . .

Power plant

20. . . . .
21. . . . .
22. . . . .
23. . . . .
23.1. . . . .
24. . . . .
25. . . . .
26. . . . .
26.1. . . . .
26.2. . . . .
27. . . . .
27.1. . . . .
27.2. . . . .
27.3. . . . .
27.4. . . . .
28. . . . .
28.1. . . . .
28.1.1. . . . .

28.1.2. . . . .
Maximum speed
29. . . . .
Axles and suspension
31. . . . .
32. . . . .
33. . . . .
35. . . . .
Brakes
36. . . . .
37. . . . .
Coupling device
44. . . . .
45. . . . .
45.1. . . . .
Environmental performances
46. Sound level
47. . . . .
47.1. . . . .
47.1.1. . . . .
47.1.2. . . . .
47.1.2.1. . . . .
47.1.3. . . . .
47.1.3.0. . . . .
47.1.3.1. . . . .
47.1.3.2. . . . .
47.2. . . . .
47.2.1. . . . .
47.2.2. . . . .
47.2.3. . . . .
48. . . . .
1.1. test procedure: Type 1 or ESC
1.2. test procedure: Type 1 (NEDC average values, WLTP highest values)...
2.1. test procedure: ETC (if applicable)
2.2. test procedure: WHTC (EURO VI)
48.1. . . . .
49. CO2 emissions/fuel consumption/electric energy consumption (m) (r):
1. All power trains, except pure electric vehicles (if applicable)
2. Pure electric vehicles and OVC hybrid electric vehicles (if applicable)...
3. Vehicle fitted with eco-innovation(s): yes/no (1)
3.1. . . . .
3.2. . . . .
4. All power trains, except pure electric vehicle, under Regulation (EU)...
5. Pure electric vehicles and OVC hybrid electric vehicles, under Regulation...
5.1. Pure electric vehicles
5.2. OVC hybrid electric vehicles

49.1. . . . .
49.2. . . . .
49.3. . . . .
49.4. . . . .
49.5. . . . .
49.6. . . . .
Miscellaneous
52. . . . .

SIDE 2
VEHICLE CATEGORY N3 (Incomplete vehicles)
Side 2
General construction characteristics
1. . . . .
1.1. . . . .
2. . . . .
3. . . . .
Main dimensions
4. . . . .
4.1. Axle spacing:
5.1. . . . .
6.1. . . . .
8. . . . .
12.1. . . . .
Masses
14. . . . .
14.1. Distribution of this mass amongst the axles:
15. . . . .
15.1. Distribution of this mass amongst the axles:
16. . . . .
16.1. . . . .
16.2. Technically permissible mass on each axle:
16.3. Technically permissible mass on each axle group:
16.4. . . . .
17. . . . .
17.1. . . . .
17.2. Intended registration/in service maximum permissible laden mass on each axle:...
17.3. Intended registration/in service maximum permissible laden mass on each axle...
17.4. . . . .
18. . . . .
18.1. . . . .
18.2. . . . .
18.3. . . . .
18.4. . . . .
19. . . . .
Power plant
20. . . . .
21. . . . .
22. . . . .
23. . . . .
23.1. . . . .

24. . . . .
25. . . . .
26. . . . .
26.1. . . . .
26.2. . . . .
27. . . . .
27.1. . . . .
27.2. . . . .
27.3. . . . .
27.4. . . . .
28. . . . .
Maximum speed
29. . . . .
Axles and suspension
31. . . . .
32. . . . .
33. . . . .
35. . . . .
Brakes
36. . . . .
37. . . . .
Coupling device
44. . . . .
45. . . . .
45.1. . . . .
Environmental performances
46. Sound level
47. . . . .
47.1. . . . .
47.1.1. . . . .
47.1.2. . . . .
47.1.3. . . . .
47.1.3.0. . . . .
47.1.3.1. . . . .
47.1.3.2. . . . .
48. . . . .
1.1. test procedure: ESC
1.2. test procedure: WHSC (EURO VI)
2.1. test procedure: ETC (if applicable)
2.2. test procedure: WHTC (EURO VI)
48.1. . . . .
49.1. . . . .
49.2. . . . .
49.3. . . . .
49.4. . . . .
49.5. . . . .
49.6. . . . .
Miscellaneous
52. . . . .

SIDE 2
VEHICLE CATEGORIES O1 AND O2
(incomplete vehicles)
Side 2

General construction characteristics
1. . . . .
1.1. . . . .
Main dimensions
4. . . . .
4.1. Axle spacing:
5.1. . . . .
6.1. . . . .
7.1. . . . .
10. . . . .
12.1. . . . .
Masses
14. . . . .
14.1. Distribution of this mass amongst the axles:
15. . . . .
15.1. Distribution of this mass amongst the axles:
16. . . . .
16.1. . . . .
16.2. Technically permissible mass on each axle:
16.3. Technically permissible mass on each axle group:
19.1. . . . .
Maximum speed
29. . . . .
Axles and suspension
30.1. . . . .
30.2. . . . .
31. . . . .
32. . . . .
34. . . . .
35. . . . .
Coupling device
44. . . . .
45. . . . .
45.1. . . . .
Miscellaneous
52. . . . .

SIDE 2
VEHICLE CATEGORIES O3 AND O4
(Incomplete vehicles)
Side 2

General construction characteristics
1. . . . .
1.1. . . . .
2. . . . .
Main dimensions
4. . . . .
4.1. Axle spacing:
5.1. . . . .
6.1. . . . .
7.1. . . . .
10. . . . .
12.1. . . . .
Masses

14. . . . .
14.1. Distribution of this mass amongst the axles:
15. . . . .
15.1. Distribution of this mass amongst the axles:
16. . . . .
16.1. . . . .
16.2. Technically permissible mass on each axle:
16.3. Technically permissible mass on each axle group:
17. . . . .
17.1. . . . .
17.2. Intended registration/in service maximum permissible laden mass on each axle:...
17.3. Intended registration/in service maximum permissible laden mass on each axle...
19.1. . . . .
Maximum speed
29. . . . .
Axles and suspension
31. . . . .
32. . . . .
34. . . . .
35. . . . .
Coupling device
44. . . . .
45. . . . .
45.1. . . . .
Miscellaneous
52. . . . .

Explanatory notes relating to Annex IX

ANNEX X

CONFORMITY OF PRODUCTION PROCEDURES

0. Objectives
0.1. . . . .
0.2. . . . .

1. Initial assessment
1.1. . . . .
1.2. . . . .
1.3. The requirements referred to in point 1.1 shall be verified...
1.4. . . . .

2. Product conformity arrangements
2.1. . . . .
2.2. . . . .
2.3. The holder of the type-approval shall, in particular:

3. Continued verification arrangements

ANNEX XI

NATURE OF AND PROVISIONS FOR THE EC TYPE-APPROVAL OF SPECIAL PURPOSE VEHICLES

. . . .

Appendix 1

Motor-Caravans, Ambulances and Hearses

Additional requirements for ambulances

Appendix 2

Armoured Vehicles

Appendix 3

Wheel-chair Accessible Vehicles

Additional requirements for testing the wheelchair tie down and occupant...

0. Definitions
   - 0.1. . . . .
   - 0.2. . . . .
1. General requirements
   - 1.1. . . . .
   - 1.2. . . . .
   - 1.3. . . . .
   - 1.4. . . . .
2. Static in-vehicle testing
   - 2.1. Wheelchair occupant restraint anchorages
     - 2.1.1. . . . .
   - 2.2. Wheelchair tie-down anchorages
   - 2.3. Components of the system
     - 2.3.1. . . . .
     - 2.3.2. . . . .
3. Dynamic in-vehicle testing
   - 3.1. . . . .
   - 3.2. . . . .

Appendix 4

Other Special Purpose Vehicles (including special group, multi-equipment carrier and...

Appendix 5

Mobile Cranes

Appendix 6

Exceptional load transport vehicles

ANNEX XII

SMALL SERIES AND END-OF-SERIES LIMITS

A. SMALL SERIES LIMITS
1. The number of units of one type of vehicle to...
2. The number of units of one type of vehicle to...
3. The number of units of one type of vehicle to...

B. END-OF-SERIES LIMITS

ANNEX XIII

LIST OF PARTS OR EQUIPMENT WHICH ARE CAPABLE OF POSING A SIGNIFICANT RISK TO THE CORRECT FUNCTIONING OF SYSTEMS THAT ARE ESSENTIAL FOR THE SAFETY OF THE VEHICLE OR ITS ENVIRONMENTAL PERFORMANCE, THEIR PERFORMANCE REQUIREMENTS, APPROPRIATE TEST PROCEDURES, MARKING AND PACKAGING PROVISIONS

I. Parts or equipment having a significant impact on vehicle safety...

II. Parts or equipment having a significant impact on the environmental...

ANNEX XIV

LIST OF EC TYPE-APPROVALS ISSUED PURSUANT TO REGULATORY ACTS

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ANNEX XV

REGULATORY ACTS FOR WHICH A MANUFACTURER MAY BE DESIGNATED AS TECHNICAL SERVICE

0. Objectives and scope
   - 0.1. . . . .
   - 0.2. . . . .
   - 0.3. . . . .

1. Appointment of a manufacturer as technical service
   - 1.1. A manufacturer appointed as technical service is a manufacturer who...
   - 1.2. The expression ‘to carry out test’ is not restricted to...

2. List of regulatory acts and restrictions

Appendix

Designation of a manufacturer as technical service

1. General
   - 1.1. . . . .
   - 1.2. . . . .
2. Subcontracting
   - 2.1. In accordance with the provisions of Article 41(6) first subparagraph,...
   - 2.2. . . . .
   - 2.3. . . . .
3. Test report

ANNEX XVI

SPECIFIC CONDITIONS REQUIRED FROM VIRTUAL TESTING METHODS AND REGULATORY ACTS FOR WHICH VIRTUAL TESTING METHODS MAY BE USED BY A MANUFACTURER OR A TECHNICAL SERVICE

0. Objectives and scope

1. List of regulatory acts

Appendix 1

General conditions required from virtual testing methods

1. Virtual test pattern
2. Fundamentals of computer simulation and calculation
   - 2.1. Mathematical model
   - 2.2. Validation process of the mathematical model
   - 2.3. Documentation
3. Tools and support

Appendix 2

Specific conditions concerning virtual testing methods
1. List of regulatory acts

Appendix 3

Validation process

ANNEX XVII

PROCEDURES TO BE FOLLOWED DURING MULTI-STAGE EC TYPE-APPROVAL

1. OBLIGATIONS OF MANUFACTURERS
1.1. . . . .
1.2. . . . .
1.3. . . . .

2. OBLIGATIONS OF TYPE-APPROVAL AUTHORITIES
2.1. The type-approval authority shall:
2.2. The number of vehicles to be inspected for the purposes...

3. APPLICABLE REQUIREMENTS
3.1. . . . .
3.2. . . . .
3.2.1 . . . .
3.2.2. . . . .
3.2.3 . . . .
3.2.4. . . . .
3.3. . . . .
3.4. Where the cargo area of a complete or completed vehicle...

4. IDENTIFICATION OF THE VEHICLE
4.1. . . . .
4.2. At the second and subsequent stages, in addition to the...

Appendix

MODEL OF THE MANUFACTURER'S ADDITIONAL PLATE

. . . .

ANNEX XVIII

CERTIFICATE OF ORIGIN OF THE VEHICLE

0.1. . . . .

0.2. . . . .
0.2.1. . . . .

0.3. . . . .

0.6. . . . .

0.8. . . . .

ANNEX XIX

TIMETABLE FOR THE ENFORCEMENT OF THIS DIRECTIVE IN RESPECT OF TYPE-APPROVAL

. . . .

ANNEX XX

TIME-LIMITS FOR THE TRANSPOSITION OF REPEALED DIRECTIVES INTO NATIONAL LAW

PART A

Directive 70/156/EEC and its successive amending acts

PART B

Time-limits for transposition into national laws

ANNEX XXI

CORRELATION TABLE

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