

Overview

This standard is about carrying out a range of inspections on heavy goods and public service vehicles using a variety of testing methods and equipment. These include pre-delivery and pre-purchase inspections, pre-DVSA and/or Preventative Maintenance Inspections (PMI), safety inspections and pre- and post-accident inspections

Performance criteria

You must be able to:

P1 use suitable personal and vehicle protective equipment throughout all vehicle inspection activities

P2 use suitable sources of technical and legal information to support your vehicle inspection activities

P3 prepare the vehicle, vehicle systems and work area for safe working procedures

P4 confirm that **equipment** has been calibrated to meet manufacturers' and legal requirements, where necessary

P5 carry out systematic **vehicle inspections** following:

P5.1 your workplace procedures

P5.2 health, safety and environmental requirements

P6 conduct all vehicle testing following:

P6.1 manufacturer's instructions

P6.2 industry recognised **test methods**

P6.3 your workplace procedures

P6.4 health, safety and environmental requirements

P7 ensure your inspection and testing of the vehicle against specification identifies any:

P7.1 differences from the vehicle specification

P7.2 vehicle appearance and condition faults

P7.3 non-compliance with statutory requirements

P8 work in a way which minimises the risk of damage to the vehicle and its systems, other people and their property

P9 make suitable recommendations for future action based upon the results of your tests and inspections

P10 ensure your records are accurate, complete and promptly passed to the relevant person(s) in the format required

P11 complete all inspection activities within the agreed timescale

P12 promptly report any anticipated delays in completion to the relevant person(s)

Knowledge and understanding

You need to know and understand:

Legislative and organisational requirements and procedures

K1 the legislation and workplace procedures relevant to:

K1.1 health and safety

K1.2 the environment (including waste disposal)

K1.3 personal and vehicle protective equipment

K2 the legislation, including Operator licensing, relevant to **vehicle inspections**

K3 the implications on an Operators Licence of not carrying out repairs and inspections correctly

K4 your workplace procedures for:

K4.1 recording **vehicle inspections** and any variations from acceptable tolerances

K4.2 the referral of problems

K4.3 reporting delays to the completion of work

K5 the importance of making accurate records of the results of your tests and inspections and interpreting them correctly

K6 the importance of working to agreed timescales and keeping others informed of progress

K7 the relationship between time, costs and productivity

K8 the importance of promptly reporting anticipated delays to the relevant person(s)

Use of technical information

K9 how to find, interpret and use technical information

K10 the importance of using technical and legislative information to inform your inspection and testing of vehicles

Testing methods and the conducting of Inspections

K11 how vehicle systems operate (including the engine area, transmission area, chassis area, body area and electrical area) and the operational tolerances for the types of vehicle on which you work

K12 how to follow procedures for the systematic inspection of vehicles

K13 how to test the operation of vehicle systems and assess vehicle condition, including workshop based and road tests

K14 how to compare test and inspection results against vehicle specifications and legal requirements

K15 how to record test and inspection results in the format required

K16 how to make recommendations based upon the results of your inspections

K17 the importance of inspecting the vehicle following any repairs

K18 the implications of signing workplace documentation and vehicle records

K19 the hazards associated with working on or near high voltage electrical vehicle components

Scope/range

1. **Vehicle inspections** are:

- 1.1. pre-delivery
- 1.2. pre-purchase
- 1.3. pre-DVSA and/or Preventative Maintenance Inspections (PMI)
- 1.4. safety
- 1.5. pre- and post-accident

2. **Test methods** are:

- 2.1. sensory
- 2.2. functional
- 2.3. measurement

3. **Equipment** examples are:

- 3.1. emissions testing
- 3.2. brake testing
- 3.3. headlamp alignment
- 3.4. wheel alignment
- 3.5. torque setting
- 3.6. specialist diagnostic equipment

Glossary