
Overview

This standard is about carrying out a range of inspections on light vehicles using a variety of prescribed testing and inspection methods.

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 information to support your **vehicle inspection** activities
 - P3 prepare the vehicle systems and work area for safe working procedures (where appropriate)
 - P4 carry out systematic **vehicle inspections** following:
 - P4.1 manufacturer's approved procedures
 - P4.2 recognised repair methods
 - P4.3 health, safety and environmental requirements
 - P4.4 prescribed documentation
 - P5 confirm all systems and components inspected function correctly following the manufacturer's specifications
 - P6 ensure your comparison of the vehicle against specification accurately identifies any:
 - P6.1 differences from the vehicle specification
 - P6.2 vehicle appearance and condition faults
 - P7 work in a way which minimises the risk of damage to the vehicle and its systems, other people and their property
 - P8 make suitable recommendations for future action based upon the results of your **tests** and inspections
 - P9 ensure your records and vehicle-related paperwork are accurate, complete and passed promptly to the relevant person(s) in the format required
 - P10 complete all inspection activities within the agreed timescale and to specification
 - P11 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 appropriate personal and vehicle protective equipment
- K2 the legislation relevant to the **vehicle inspections** for pre-work, post-work, pre-delivery and maintenance.
- K3 the importance of making accurate records of the results of your **tests** and inspections and interpreting them correctly
- K4 the different formats in which records may be stored and how to access and update these records
- K5 the importance of working to agreed timescales and keeping others informed progress
- K6 the relationship between time and costs
- K7 the importance of promptly reporting anticipated delays to the relevant person(s)

Sources of information

- K8 how to find, interpret and use technical information
- K9 the importance of using technical information to inform your inspection and testing of vehicles

Testing methods and the conduct of Inspections

- K10 the hazards associated with working on or near high energy electrical vehicle components
- K11 how vehicle systems operate (including the engine area, transmission area, chassis / frame area and electrical area) and the operational tolerances for the vehicle(s) on which you are working
- K12 how to follow procedures to carry out the systematic inspections described in the scoping statement above
- K13 how to confirm the correct operation of vehicle systems
- K14 how to compare **test** and inspection results against vehicle specifications and legal requirements

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- 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 implications of failing to carry out inspection activities correctly
 - K18 the implications of signing workplace documentation and vehicle records

Scope/range

- 1. Vehicle inspections are:**
 - 1.1. pre-work (including vehicle health check)
 - 1.2. post work (including quality check)
 - 1.3. pre-delivery
 - 1.4. maintenance

- 2. Test methods are:**
 - 2.1. sensory
 - 2.2. functional
 - 2.3. measurement

**Additional
Information****Glossary**

This section contains examples and explanations of some of the terms used but does not form part of the standard.

Agreed timescales

Examples include: manufacturer's recommended work times, job times set by your company or a job time agreed with a specific customer.

Alternative fuel

This is defined as any type of fuel that may be used to power an internal combustion engine, examples would include LPG, bio ethanol etc.

Equipment

Appropriate test equipment to correctly confirm the functionality of the system that you are inspecting; this may include measuring equipment, specialist diagnostic equipment etc.

Maintenance inspections

For example, brakes or tyres.

Sources of technical information

Examples include pre-determined / pre-printed inspection schedules, manufacturers' manuals and Trade Association check lists, workplace procedures.

Vehicles

These can be any of the following types of light vehicle: SI, CI, Hybrid, Electric or Alternative fuel vehicles.

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