

Overview

This NOS is about carrying out a range of inspections on light vehicles using a variety of testing methods and equipment.



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

P5 conduct all **vehicle inspections** and **testing** following:

P5.1 the manufacturer's approved examination methods

P5.2 recognised methods

specification accurately identifies:

P5.3 your workplace procedures

P5.4 health, safety and environmental requirements P6 ensure your inspection and **testing** of the vehicle against

P6.1 differences from the vehicle specification

P6.2 vehicle appearance and condition faults

P6.3 non-compliance with legal and statutory requirements

P7 work in a way which minimises the risk of damage to the vehicle and its systems, other people and their property and your working environment

P8 make suitable recommendations for future action based upon the results of your **tests** and inspections

P9 explain the reasons for your recommendations to the relevant person(s)

P10 offer alternative options from your recommendations if the customer does not agree to your plan for future action

P11 ensure your report is accurate, complete and passed to the relevant person(s) within the agreed timescale and in the format required

P12 complete all inspection activities within the agreed timescale P13 report any anticipated delays in completion to the relevant person(s) promptly



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 and statutory requirements relevant to the **vehicle inspection**s for: pre-purchase, pre-MOT test, safety, post-accident (pre-repair) and post-accident (post-repair)

K3 your workplace procedures for the referral of problems:

K4 the importance of making accurate reports of the results of your **tests** and inspections and interpreting them correctly

K5 the importance of working to agreed timescales and keeping others informed of progress

K6 the relationship between time, costs and productivity K7 the importance of reporting anticipated delays to the relevant person(s) promptly

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

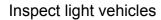
Testing methods and the conduct of Inspections

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 or frame area and electrical area) and the operational tolerances for vehicle(s) on which you are working K12 how to follow procedures and processes to enable a logical and systematic inspection of vehicles to take place

K13 how to **test** the operation and tolerances of vehicle systems and how to 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 full implications of failing to carry out an inspection correctly K18 the implications of signing workplace documentation and vehicle records



Scope/range

1. Vehicle inspections are:

- 1.1. pre-purchase
- 1.2. pre-MOT test
- 1.3. safety
- 1.4. post-accident, pre-repair
- 1.5. post accident, post-repair

2. Test methods are:

- 2.1. visual
- 2.2. aural
- 2.3. functional
- 2.4. measurement

3. Equipment includes:

- 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
- 3.7. measuring equipment



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.

Vehicles:

These can be any of the following – light vehicles. Additionally, these vehicles may be SI, CI, Hybrid, Electric or Alternative fuel vehicles.

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.

Sources of technical information:

Examples include inspection schedules, MOT inspection manuals and guides, manufacturers' manuals, Trade Association check lists and workplace procedures.



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