

Overview

This standard is about fitting accessories on a cycle so that it is left in a roadworthy condition. It is also about evaluating the performance of the fitted accessories where applicable.

In this standard the term 'cycle' includes pedal-propelled vehicles with two, three or four wheels. It may also include pedal-assisted e-bikes:

- Road legal up to 15.5 mph with a motor with an output of up to 250w
- E-cycles used for other purposes

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Performance criteria

- You must be able to:
- P1 use suitable personal protective equipment throughout all accessory fitting activities
 - P2 ensure the cycle and the work area is safe prior to work commencing
 - P3 support your accessory fitting activities by reviewing:
 - P3.1 cycle technical data
 - P3.2 accessory data
 - P3.3 fitting procedures
 - P3.4 legal requirements
 - P4 prepare, check and use all the **equipment** required following manufacturer's instructions
 - P5 carry out all accessory fitting activities following:
 - P5.1 manufacturer's instructions
 - P5.2 your workplace procedures
 - P5.3 health, safety and environmental requirements
 - P6 work in a way which minimises the risk of:
 - P6.1 damage to the cycle, its systems and components
 - P6.2 damage to your working environment
 - P6.3 injury to self and others
 - P7 ensure fitted **accessories** conform to the cycle operating specification and any legal requirements
 - P8 use suitable testing methods to accurately evaluate the performance of the accessory fitted
 - P9 demonstrate and explain the operation or effect of the enhancement or accessory fitted
 - P10 ensure your records are accurate, complete and promptly passed to the relevant person(s) in the format required
 - P11 complete all cycle wheel building activities within the agreed timescale
 - P12 promptly report any anticipated delays in completion to the relevant persons(s)

Knowledge and understanding

You need to know and understand:

Legislative and organisational requirements and procedures

- K1 the health and safety legislation, environmental requirements and workplace procedures relevant to cycle accessory fitting and personal and cycle protection
- K2 your workplace procedures for:
 - K2.1 recording accessory fitting information
 - K2.2 the referral of problems
 - K2.3 reporting delays to the completion of work
- K3 how to work safely avoiding damage to other cycle systems, components and units and injury to self and others
- K4 the importance of documenting accessory fitting information
- K5 the importance of working to agreed timescales and keeping others informed of progress
- K6 the importance of promptly reporting anticipated delays to the relevant person(s)

Use of technical information

- K7 how to find, interpret and use sources of current **technical information** applicable to cycle accessory fitting activities
- K8 the importance of using the appropriate sources of **technical information**

Tools and equipment

- K9 how to select, prepare, check and use all the cycle accessory fitting **equipment** required

Cycle accessory fitting

- K10 how to ensure accessories to be fitted are compatible with the cycle(s) on which you work
- K11 how to fit **enhancements and accessories** for the types of cycle on which you work
- K12 the equipment manufacturer's instruction for the fitted **accessories**
- K13 the cycle manufacturer's specification for the fitted **accessories**
- K14 how to test and evaluate the performance of the fitted **accessories**

- K15 how to test and evaluate the performance of the accessory against the cycle operating specifications and any legal requirements
- K16 how having accessories fitted may affect the warranty on a cycle
- K17 the manufacturer's specification for the type and quality of **accessories** to be used

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Scope/range

1. Accessories include:

- 1.1 audible warning devices
- 1.2 lights
- 1.3 mirrors
- 1.4 mudguards
- 1.5 panniers and luggage carriers
- 1.6 child safety seats

2. Testing methods are:

- 2.1 Sensory
- 2.2 Functional
- 2.3 Measurement

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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

Conformity

Examples include conformity to manufacturer's specifications, UK and European legal requirements where applicable

Cycles

In this standard the term 'cycle' includes pedal-propelled vehicles with two, three or four wheels on which the rider sits. It may also include pedal-assisted e-bikes:

- Road legal up to 15.5 mph with a motor with an output of up to 250w
- E-cycles used for other purposes

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