
Overview

This standard covers the preparation and use of equipment and machinery correctly and safely, with due regard to manufacturers' instructions and legal and regulatory requirements.

This standard does not cover repair of equipment and machinery which is covered in CU27. It does cover the routine day-to-day maintenance of equipment and machinery before and after use.

You must carry out your work in a way which will minimise any impact on the natural environment and enhance its nature, conservation and recreational value.

Use of machinery and equipment and all actions must meet the requirements of the law and relevant codes of practice. NB: this unit does not cover the use of tractors or tractor-mounted equipment other than small lawn/compact tractors.

**Performance
criteria**

You must be able to:

- P1 select the correct equipment and machinery in accordance with specifications
- P2 select and use the correct personal protective clothing and equipment
- P3 carry out pre-start checks and adjustments of equipment or machinery in accordance with procedures
- P4 prepare and use the equipment or machinery in accordance with the manufacturers' instructions and legal regulatory requirements
- P5 take correct action if a problem occurs with the equipment or machinery
- P6 carry out routine maintenance of equipment or machinery prior to and after use
- P7 identify the need for advice and assistance and refer this matter to the appropriate member of staff
- P8 minimise the escape of substances and deal with waste safely and correctly in accordance with legislation
- P9 store the equipment or machinery safely and effectively
- P10 carry out all work in accordance with relevant environmental and health and safety legislation, risk assessment requirements, codes of practice and company policies

Knowledge and understanding

You need to know and understand:

- K1 your responsibilities under current environmental and health and safety legislation, codes of practice and company policies
- K2 how to select the correct equipment or machinery for the planned work
- K3 how to check the equipment or machinery and the types of pre-operational maintenance required
- K4 the main hazards associated with using the equipment or machinery in your area of responsibility
- K5 the manufacturers' instructions for the operation of the equipment or machinery in your area of responsibility
- K6 the types of problems that may occur with the equipment or machinery and how to deal with them
- K7 the principles of two- and four-stroke engines
- K8 the principles of lines of drive including clutch, v-belts and chains
- K9 types of protective clothing and the reasons why it must be worn
- K10 the correct ways of wearing personal protective equipment
- K11 the legal and regulatory requirements that govern the use of the equipment and machinery in your area of responsibility
- K12 methods for maintaining equipment or machines
- K13 the reasons for maintaining equipment or machinery and the possible consequences of not maintaining it correctly
- K14 hazardous chemicals and substances which may be present and ways of minimising leakage
- K15 how to handle, transport and dispose of waste in accordance with legal and organisational requirements

Glossary

Specifications: drawings, schedules, method statements, Standard Operating Procedures (SOPs), manufacturers' guidelines, customer requirements.

Instructions: verbal or written.

Equipment and machinery could include non-powered tools and equipment (for example hand tools, fertiliser distributors), hand-held powered equipment (for example trimmers, hedge cutters, leaf blowers), pedestrian-controlled powered equipment (for example rotary mowers), ride-on powered equipment (for example ride-on mowers), chippers and/or shredders.

Routine maintenance could include oil changes, spark plugs, wheels and tyres, backlapping, sharpening hand tools.

Developed by Lantra

Version number 3.2

Date Approved March 2012

Indicative review date March 2017

Validity Current

Status Original

Originating organisation Lantra

Original URN LANL27

Relevant occupations Gardener; Groundsman; Greenkeeper; Ranger; Park Ranger; Nursery Worker; Fruit and Vegetable Production Worker; Agriculture, Horticulture and Animal care

Suite Horticulture; Crofters and Smallholders

Keywords mower; ride-on powered vehicle; hedge cutter; strimmer; fertiliser distributor; chipper
