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## Overview

This standard is about installing, maintaining and removing work area protection and safety equipment, interpreting information, adopting safe, healthy and environmentally responsible work practices, selecting and using materials, components, tools and equipment

This standard is for people working in the occupational area of construction and civil engineering operations and can be used by operatives, supervisors and managers

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## Performance criteria

- You must be able to:*
- P1 interpret the given information relating to the work and resources to confirm its relevance
  - P2 comply with the given, relevant legislation and official guidance to carry out your work and maintain safe and healthy work practices
  - P3 select the required quantity and quality of resources for the methods of work
  - P4 comply with organisational procedures to minimise the risk of damage to the work and surrounding area
  - P5 comply with the given contract information to carry out the work efficiently to the required specification
  - P6 complete the work within the allocated time, in accordance with the programme of work

## Knowledge and understanding

*You need to know and understand:*

### Performance Criteria 1

#### Interpretation of information

K1 the organisational procedures developed to report and rectify inappropriate **information** and unsuitable **resources**, and how they are implemented

K2 the types of **information**, their source and how they are interpreted

K3 the organisational procedures to solve **problems** with the **information** and why it is important they are followed

### Performance Criteria 2

#### Safe work practices

K4 current **legislation and official guidance** and how it is applied

K5 the types of **fire extinguishers** and how and when they are used

K6 how **emergencies** should be responded to and who should respond

K7 the organisational **security procedures** for tools, equipment and personal belongings

K8 what the accident reporting procedures are and who is responsible for making the report

K9 why, when and how **health and safety control equipment** should be used

K10 how to comply with environmentally responsible work practices to meet current **legislation and official guidance**

### Performance Criteria 3

#### Selection of resources

K11 the characteristics, quality, uses, sustainability, limitations and defects associated with the **resources** and how defects should be rectified

K12 how the **resources** should be used and how any **problems** associated with the **resources** are reported

K13 the organisational procedures to select **resources**, why they have been developed and how they are used

K14 the **hazards** associated with the **resources** and **methods of work** and how they are overcome

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**Performance Criteria 4**

**Minimise the risk of damage**

K15 how to **protect work** from damage and the purpose of protection

K16 why **disposal of waste** should be carried out safely and how it is achieved

**Performance Criteria 5**

**Meet the contract specification**

K17 how **methods of work**, to meet the specification, are carried out and **problems** reported

K18 how **maintenance** of tools and equipment is carried out

**Performance Criteria 6**

**Allocated time**

K19 what the **programme** is for the work to be carried out in the estimated, allocated time and why deadlines should be kept

**Scope/range related  
to performance  
criteria**

**Performance Criteria 1**

1 interpret drawings, plans, specifications, schedules, risk assessments, method statements, manufacturers' and suppliers' information related to the work to be carried out

**Performance Criteria 2**

2 avoid risk by complying with the given information relating to at least four of the following:

2.1 methods of work

2.2 safe use of health and safety control equipment

2.3 safe use of access equipment

2.4 safe use, storage and handling of materials, tools and equipment

2.5 specific risks to health

**Performance Criteria 3**

3 select resources associated with own work:

3.1 materials, components and fixings

3.2 tools and equipment

**Performance Criteria 4**

4 protect the work and its surrounding area from damage

5 maintain a clear and tidy work space

6 dispose of waste in accordance with current legislation

**Performance Criteria 5**

7 demonstrate work skills to measure, set out, position, assemble, construct, secure, dismantle and remove

8 use and maintain hand and power tools

9 install, maintain and remove temporary protection and safety arrangements for the work area to given working instructions, relating to protection equipment, barriers, fences and at least one of the following:

9.1 protection and safety notices

9.2 safety lighting

10 report work undertaken

**Performance Criteria 6**

11 complete own work within the estimated, allocated time to meet the needs of other occupations and/or client

**Scope/range related  
to knowledge and  
understanding**

**Disposal of waste**

1 environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance

**Emergencies**

2 operative's response to situations in accordance with organisational authorisation and personal skills when involved with:

2.1 fires, spillages, injuries

2.2 emergencies relating to occupational activities

**Fire extinguishers**

3 water, CO<sub>2</sub>, foam, powder and their uses

**Hazards**

4 those identified by risk assessment, methods of work, manufacturers' and suppliers' technical information, statutory regulations and official guidance

**Health and safety control equipment**

5 identified by the principles of prevention for occupational use, types and purpose of each type, work situations and general work environment:

5.1 collective protective measures

5.2 local exhaust ventilation (LEV)

5.3 personal protective equipment (PPE)

5.4 respiratory protective equipment (RPE)

**Information**

6 drawings, plans, specifications, schedules, risk assessments, method statements, site inspection reports, manufacturers' information, verbal and written instructions, sketches, electronic data, current regulations and official guidance associated with installing, maintaining and removing work area protection and safety equipment

**Legislation and official guidance**

7 operative's responsibilities regarding potential accidents, health hazards and the environment whilst working in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials by manual handling and mechanical lifting

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### **Maintenance**

8 operative care of hand and power tools

### **Methods of work**

9 application of knowledge for safe and healthy work practices, procedures and skills relating to the method and area of work and materials used to:

- 9.1 plan for the protection and the safety of the work and surrounding environment
- 9.2 conform to agreed specification
- 9.3 confirm the location of utility services and ensure they are protected
- 9.4 prepare and set out area protection equipment to required dimensions
- 9.5 install, check and maintain the protection and safety equipment, barriers and fences
- 9.6 dismantle and remove protection and safety equipment
- 9.7 install protection and safety notices
- 9.8 install safety lighting systems
- 9.9 monitor and check accuracy during progress and on completion of work
- 9.10 install, maintain and remove work area protection equipment in public areas
- 9.11 transport, load and off load work area protection equipment
- 9.12 recognise and determine when specialist skills and knowledge are required and report accordingly
- 9.13 report work undertaken
- 9.14 use hand and power tools
- 9.15 work at height
- 9.16 use access equipment
- 10 team work and communication
- 11 needs of other occupations associated with installation, maintenance and removal of work area protection and safety equipment

### **Problems**

12 those arising from information, resources and methods of work:

- 12.1 own authority to rectify
- 12.2 organisational reporting procedures

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**Programme**

13 types of productivity targets and time scales

14 how times are estimated

15 organisational procedures for reporting circumstances which will affect the work programme

**Protect work**

16 protect work against damage from general workplace activities, other occupations and adverse weather conditions

**Resources**

17 materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and specialist:

17.1 safety and security equipment (cones, tapes, fences, barriers, hoarding, doors, gates)

17.2 protection and safety notices

17.3 signs and safety lighting

17.4 hand and power tools

18 how to confirm resources and materials conform with the given specification

19 methods of calculating quantity, length and area associated with the method and procedure used to install, maintain and remove work area protection and safety equipment

**Security procedures**

20 site, workplace, company, operative and vehicles



## Behaviours

When performing to this standard you are likely to demonstrate the following behaviours

- 1 **Work safely:** consider the safety of yourself and those around you, challenge unsafe behaviour
- 2 **Effective communication:** oral, written, electronic, listening, body language, presentation
- 3 **Respect:** apply equality, diversity and inclusion in dealing with others.
- 4 **Team work:** work effectively and safely with others with limited supervision.
- 5 **Independent working:** take responsibility for safe completion of your own work.
- 6 **Logical thinking:** use clear and valid reasoning when making decisions to safely undertake the work instructions.
- 7 **Working effectively:** undertake the work in a reliable, safe and productive manner.
- 8 **Time management:** use own time effectively to complete the work instructions to schedule, take the time to be safe.
- 9 **Adaptability:** be able to adjust to changes to the work instructions, put safety first

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<b>Suite</b>	Construction and Civil Engineering Operations (Construction); Accessing Operations and Rigging (Construction); Interior Systems (Construction); Building Maintenance Multi-trades Repair and Refurbishment Operations; Removal of Hazardous and Non-hazardous Waste (Construction); Roofing Occupations (Construction); Site Logistics Operations (Construction); Specialist Installation Occupations (Construction); Specialist Concrete Occupations (Construction); Sub-structure Work Occupations (Construction); Post Tensioning Operations (Construction)
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