

## Overview

This standard is about dismantling and/or demolishing masonry and/or concrete structures using demolition tools and equipment, segregating all arisings for recycling, recovery or disposal, interpreting information, adopting safe, healthy and environmentally responsible work practices, maintaining established exclusion zones, selecting and using materials, components, tools, plant, machinery and equipment

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

## 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 the level of understanding operatives must have of **information** for relevant, 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 the organisational procedures to select **resources**, why they have been developed and how they are used
- K13 the **hazards** associated with the **resources** and **methods of work** and how they are overcome

**Performance Criteria 4**

**Minimise the risk of damage**

K14 how to **protect work** from damage and the purpose of protection

K15 why **disposal of waste** should be carried out safely and how it is achieved

**Performance Criteria 5**

**Meet the contract specification**

K16 how **methods of work**, to meet the specification, are carried out and **problems** reported

K17 how **maintenance** of tools and equipment is carried out

**Performance Criteria 6**

**Allocated time**

K18 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 interpretation of drawings, specifications, schedules, method statements, risk assessments, permits to work, manufacturers' information and organisational requirements related to the work to be carried out

**Performance Criteria 2**

2 avoidance of risk by complying with the given information relating to 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, segregation, storage and handling of materials, tools and equipment

2.5 specific risks to health

**Performance Criteria 3**

3 selection of resources associated with own work

3.1 materials and components

3.2 demolition tools, equipment and components

3.3 plant and machinery

3.4 waste and/or recycling containers

**Performance Criteria 4**

4 protection of the work and its surrounding area from damage

5 maintain a clear and tidy work space

6 disposal of waste in accordance with current legislation

**Performance Criteria 5**

7 demonstration of work skills to release, handle, lower, sort, stack, segregate, store, break out and load away

8 use and maintain demolition tools, equipment and consumables

9 maintain established exclusion zones, dismantle and/or demolish, remove and segregate masonry and/or concrete structures for disposal and/or recycling and/or recovery to given working instructions

**Performance Criteria 6**

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

Dismantle and/or demolish masonry and/or concrete structures

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

**Disposal of waste (arisings and debris)**

1 environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance relating to segregation and recycling procedures

**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' 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 personal protective equipment (PPE)

5.3 respiratory protective equipment (RPE)

5.4 local exhaust ventilation (LEV)

**Information**

6 drawings, specifications, schedules, method statements, risk assessments, permits to work, site inductions, tool box talks, manufacturers' information, electronic data, official guidance and current regulations relating to dismantling and demolishing masonry and concrete structures

**Legislation and official guidance**

7 this relates to the 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

**Maintenance**

8 operative checks and care of demolition tools, equipment and consumables

**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 erect barriers and warning notices
  - 9.2 maintain established exclusion zones and designated areas
  - 9.3 dismantle and demolish masonry and concrete structures
  - 9.4 remove and segregate arisings for recycling, recovery and disposal
  - 9.5 store and protect removed materials and components
  - 9.6 provide information for Building Information Modelling (BIM)
  - 9.7 recognise and determine when specialist skills and knowledge are required and report accordingly
  - 9.8 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
  - 9.9 work with, around and in close proximity to plant and machinery
  - 9.10 direct and guide the operations and movement of plant and machinery
  - 9.11 use demolition tools, equipment and consumables
  - 9.12 work at height
  - 9.13 use access equipment
- 10 how to ensure effective team work and communication
- 11 needs of other occupations associated with dismantling and demolishing masonry and concrete structures

**Problems**

- 12 those arising from information, resources and methods of work
  - 12.1 own authority to rectify
  - 12.2 organisational reporting procedures

**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, tools and equipment relating to types, quantity, quality, sizes and the sustainability of standard and specialist
- 17.1 demolition tools, equipment and consumables
- 17.2 waste and recycling containers
- 18 confirm resources and materials conform with the specification
- 19 methods of calculating quantity, length, area and wastage associated with the method and procedure to dismantle and demolish masonry and concrete structures

**Security procedures**

- 20 project, site, workplace, company and operative, vehicles, tools and plant



Dismantle and/or demolish masonry and/or concrete structures

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**Developed by** CITB

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**Relevant Occupations** Construction Operatives

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**Suite** Demolition (Construction); Access Operations and Rigging (Broadcast, Film and Video)

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