

Erect and dismantle overhead scaffolds

Overview

This standard is about preparing, erecting, dismantling overhead scaffolds, 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 areas of Scaffolding, Staging and Rigging 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

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Knowledge and understanding

You need to know and understand: **Performance Criteria 1**
Interpretation of information

- K1 organisational procedures developed to report and rectify inappropriate **information** and unsuitable **resources**, and how they are implemented
- K2 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 how **emergencies** should be responded to and who should respond
- K6 the organisational **security procedures** for tools, equipment and personal belongings
- K7 the accident reporting procedures are and who is responsible for making the report
- K8 why, when and how **health and safety control equipment** should be used
- K9 how to comply with environmentally responsible work practices to meet current **legislation and official guidance**

Performance Criteria 3

Selection of resources

- K10 the characteristics, quality, uses, limitations and defects associated with the **resources** and how defects should be rectified
- K11 how the **resources** should be used and how any **problems** associated with the **resources** are reported
- 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

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Scope/range related to performance criteria**Performance Criteria 1**

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

Performance Criteria 2

- 2 avoid risk by following 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, 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, fixings/anchors and ties
 - 3.2 tools and equipment
 - 3.3 access 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, assemble, fix, position, secure and remove
- 8 use and maintain hand tools, ancillary equipment and access equipment
- 9 erect and dismantle tube and fitting and/or system scaffold for overhead scaffolds, to given working instructions, to form at least two of the following:
 - 9.1 drop scaffolds

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- 9.2 hung scaffolds
- 9.3 scaffolds to span gaps (bridging)
- 9.4 load bearing scaffold
- 9.5 scaffolds with restricted access or build restrictions
- 9.6 truss out

Performance Criteria 6

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

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**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

Hazards

- 3 those identified by risk assessment, method of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 4 identified by the principles of prevention for occupational use, types and purpose of each type, work situations and general work environment:
 - 4.1 collective protective measures
 - 4.2 local exhaust ventilation (LEV)
 - 4.3 personal protective equipment (PPE)
 - 4.4 respiratory protective equipment (RPE)

Information

- 5 plans, drawings and sketches, specifications, schedules, method statements, risk assessments, manufacturers' information, standards, regulations and official guidance associated with scaffolding work

Legislation and official guidance

- 6 operative's responsibilities regarding potential accidents and 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

- 7 operative care of hand tools, portable power tools, ancillary equipment and access equipment

Methods of work

- 8 application of knowledge for safe work practices, procedures and skills, relating to the method, area of work and materials

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used, to:

- 8.1 identify requirements of scaffold design drawings and formula
- 8.2 confirm the area to erect the overhead scaffold
- 8.3 confirm the stability of the foundation/structure on which the scaffold will be erected and secured has been considered
- 8.4 calculate weight distribution and load balance
- 8.5 confirm the materials and component make-up (tube and fitting, systems scaffold)
- 8.6 set out and prepare for the scaffold structure
- 8.7 erect and secure the following scaffolds: drop, hung and load bearing scaffolds, scaffolds with restricted access and build restrictions, truss out
- 8.8 erect and secure scaffold for the use of other occupations
- 8.9 dismantle and remove overhead scaffolds
- 8.10 visually inspect fall protection equipment
- 8.11 install ties and test anchors
- 8.12 work with, around and in close proximity to plant and machinery
- 8.13 use hand tools and ancillary equipment
- 8.14 work at height
- 8.15 use access equipment
- 9 teamwork and communication
- 10 needs of other occupations associated with erecting and dismantling overhead scaffold structures

Problems

- 11 those arising from information, resources and methods of work:
 - 11.1 own authority to rectify
 - 11.2 organisational reporting procedures

Programme

- 12 types of progress charts, timetables and estimated times
- 13 organisational procedures for reporting circumstances which will affect the work programme

Protect work

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

Resources

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- 15 materials, components and equipment relating to types, quantity, quality, sizes and sustainability of standard and specialist:
 - 15.1 tube and fitting
 - 15.2 systems scaffold
 - 15.3 associated materials (props, ropes, anchors, ties, boards, plates, beams, ladders, proprietary components)
 - 15.4 hand tools, portable power tools and ancillary equipment
- 16 confirm resources and materials conform with the specification
- 17 methods of calculating quantity, length and area associated with the method and procedure to erect and dismantle overhead scaffold structures

Security procedures

- 19 site, workplace, company and operative, vehicles

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