
Overview

This standard is about interpreting information, adopting safe, healthy and environmentally responsible work practices, selecting and using materials, components, tools and equipment for installing, constructing, maintaining and dismantling temporary works

This standard is for people involved in temporary works activities working in construction 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

Performance Criteria 1

Interpretation of information

You need to know and understand:

- 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

You need to know and understand:

- K4 the level of understanding operatives must have of **information** for relevant, 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 what 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 working practices to meet current **legislation and official guidance**

Performance Criteria 3

Selection of resources

You need to know and understand:

- K10 the characteristics, quality, uses, sustainability, 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

You need to know and understand:

- 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

You need to know and understand:

- 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

You need to know and understand:

- K18 what the **programme** is for the work to be carried out in the estimated, allocated time and why deadlines should be kept

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of drawings, specifications, schedules, method statements, risk assessments and manufacturers' information 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, 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, components and fixings
 - 3.2 tools and equipment

Performance Criteria 4

- 4 protection of the work and its surrounding area from damage
- 5 maintain a clean and tidy work space
- 6 disposal of waste in accordance with current legislation

Performance Criteria 5

- 7 demonstration of work skills to measure, mark out, align, alter, assemble, build, erect, lay, level, plumb, install, check, monitor, adjust, reinforce, fit, fix, position, secure, dismantle and remove
- 8 use and maintain hand tools, portable power tools and ancillary equipment
- 9 Install, construct, maintain dismantle and remove to given working instructions for at least four of the following as temporary works to allow or enable permanent construction
 - 9.1 protective screens, hoardings and covers
 - 9.2 access and egress routes
 - 9.3 supports
 - 9.4 supporting structures
 - 9.5 removal equipment
 - 9.6 diverting equipment
 - 9.7 site facilities
 - 9.8 stabilisation

Performance Criteria 6

- 10 completion of 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

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 drawings, specifications, schedules, method statements, risk assessments, electronic data, written and verbal instructions, permits, manufacturers' information and current regulations governing buildings, structures and official guidance associated with installation, construction, maintenance, dismantling and removal of temporary works

Legislation and official guidance

- 6 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

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

Methods of work

- 8 application of knowledge for safe and healthy work practices, procedures and skills relating to the method/area of work and materials used to
 - 8.1 identify agreed quality requirements
 - 8.2 conform to agreed specification
 - 8.3 identify the roles of the temporary works supervisor and the temporary work co-ordinator
 - 8.4 recognise the characteristics, critical factors of temporary works and interface with existing structures and permanent work
 - 8.5 identify temporary works control mechanisms
 - 8.6 check resources for type, quantity and damage and report discrepancies
 - 8.7 install, construct, maintain, dismantle and remove protective screens, hoardings and covers in order to restrict access and maintain the integrity of the protected items
 - 8.8 install, construct, maintain, dismantle and remove access and egress routes, new and alterations to existing routes including pedestrian routes, vehicle routes, bridges, decks, openings, stairs, ramps, passing and parking places
 - 8.9 assemble, build, align, erect, install construct, dismantle and remove load bearing supports
 - 8.10 assemble, build, align, erect, install construct, dismantle and remove supports that hold in position including formwork, falsework and excavation support systems
 - 8.11 identify the criteria, characteristics and differences between proprietary and bespoke support systems
 - 8.12 check and maintain supporting structures including scaffolding, formwork, falsework, props, excavation support and dewatering systems
 - 8.13 check condition, support and protection of utilities
 - 8.14 recognise the checking, inspection, examination and certification criteria for temporary works

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Install, construct, maintain, dismantle and remove temporary works

- 8.15 install removal equipment including gantries, hoists, skips, chutes, conveyors, vacuums, pumps and pipework
- 8.16 maintain removal and diverting equipment, including alterations by reinforcement
- 8.17 recognise the criteria for disconnecting, protecting and reconnecting utilities
- 8.18 fit, fix, position, align, secure, dismantle and remove supports and carriage systems, underground and overhead, to divert utility carrying equipment including electric, communications, water (foul, surface and fresh), gas and air
- 8.19 work with, around and in close proximity to plant and machinery
- 8.20 recognise the criteria for directing and guiding the movement and operations of vehicles, plant and machinery
- 8.21 measure, mark out, transfer, set out and maintain lines, plumbs and levels
- 8.22 monitor wear and tear on temporary works and report
- 8.23 recognise and determine when additional specialist skills and knowledge are required and report accordingly
- 8.24 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
- 8.25 use hand tools, portable power tools and equipment
- 8.26 work at height
- 8.27 use access equipment
- 9 team work and communication
- 10 needs of other occupations associated with the installation, construction, maintenance, dismantling and removing of temporary works

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

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

15.1 protective measures

15.2 materials

15.3 supports

15.4 components, fittings and fixings

15.5 hand tools, portable power tools and equipment

16 identify quantity, length, area, volume and wastage associated with the method, procedure to install, construct, maintain, dismantle and remove temporary works

Security procedures

17 site, workplace, company and operative

Glossary

Definition supplied by the British Standards Institute BS5975. 'parts of the works that allow or enable construction of, protect, support or provide access to, the permanent works and which might or might not remain in place at the completion of the works.'

Note: examples of temporary works are structures, supports, back-propping, earthworks and accesses.

Examples

Protective screens and covers – hoardings, facades.

Access and egress routes – new and alterations to existing routes including pedestrian routes, vehicle routes, bridges, decks, openings, stairs, ramps, passing and parking places.

Supports – that bear loads, to hold in position, to divert, to retain

Supporting structures – scaffolding, formwork, falsework, props, excavation supports and dewatering systems

Removal equipment – gantries, hoists, skips chutes, conveyors, vacuums, pumps, pipework

Diverting equipment – electric, communications, water (foul, surface and fresh), gas and air

Site facilities – cabins, shelters, welfare facilities

Stabilisation – piles, grouting, soil stabilisation

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Install, construct, maintain, dismantle and remove temporary works

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