
Overview

This standard is about

- 1 interpreting information
- 2 adopting safe and healthy working practices
- 3 selecting materials, components and equipment
- 4 repairing non-structural and/or structural components

COSVR25 - SQA Unit Code DY3X 04

Maintain non-structural or structural components

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

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 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

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

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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/working platforms
 - 2.4 safe use, storage and handling of materials
 - 2.5 safe use and storage of tools and equipment

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 minimise damage and maintain a clean work space
- 6 disposal of waste in accordance with current legislation

Performance Criteria 5

- 7 demonstration of work skills to measure, mark out, fit, splice, finish, position and secure
- 8 use and maintain hand tools, portable power tools and ancillary equipment
- 9 repair at least five of the following components to given working instructions
 - 9.1 frames (to include priming the repair)
 - 9.2 mouldings (to include priming the repair)
 - 9.3 floor joist covering (or flat roof)
 - 9.4 door and/or window ironmongery
 - 9.5 guttering and downpipes
 - 9.6 sash cords
 - 9.7 replacement glazing
 - 9.8 structural joists (including support)
 - 9.9 structural rafters (including support)

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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

Fire extinguishers

- 3 water, CO₂, foam, powder and their uses

Hazards

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

Health and safety control equipment

- 5 identified by the principles of protection 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, manufacturers' information and current regulations governing buildings

Legislation and official guidance

- 7 this relates to the operative's responsibilities regarding potential accidents and health hazards whilst working in the workplace, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting

Maintenance

- 8 sharpening of hand tools and operative care of hand tools and/or portable power tools and ancillary equipment

Methods of work

- 9 application of knowledge for safe and healthy work practices, procedures and skills relating to the method/area of work and materials used to:
 - 9.1 replace and splice door and window frames, mouldings and structural timbers, replace sash cords, re-glaze, re-lay brick/blockwork, make good paintwork, plasterwork, brickwork, wall tiling
 - 9.2 identify load bearing points
 - 9.3 prop and support existing structures
 - 9.4 replace frames and mouldings
 - 9.5 repair or replace door and window ironmongery
 - 9.6 repair and/or replace guttering and downpipes
 - 9.7 form joints associated with repairs
 - 9.8 use hand tools, power tools and equipment
 - 9.9 work at height
 - 9.10 use access equipment
- 10 team work and communication
- 11 needs of other occupations associated with maintaining non-structural or structural components

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 progress charts, timetables and estimated times
- 14 organisational procedures for reporting circumstances which will affect the work programme

Protect work

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

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Resources

- 16 materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist:
 - 16.1 timber, manufactured sheet material, metals, mouldings, sash cord, paint, bricks, tiles, cement, sand, plaster, preservatives, adhesives, sealants, fixings, guttering, ironmongery, downpipes and associated ancillary items
 - 16.2 hand and/or powered tools and equipment
- 17 methods of calculating quantity, length, area and wastage associated with the method/procedure to to maintain non-structural or structural components

Security procedures

- 18 site, workplace, company and operative

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Developed by	ConstructionSkills
Version number	2
Date approved	January 2011
Indicative review date	February 2016
Validity	Current
Status	Original
Originating organisation	ConstructionSkills
Original URN	VR25
Relevant occupations	Carpenter and Joiner
Suite	Wood Occupations (Construction); Maintenance Operations (Construction); Innovative Modern Methods of Construction
Key words	Maintenance; Repair; Replace; Carpentry; Wood; Gutters; Frames; Mouldings; Ironmongery; Glazing; Sash cords; Joists; Rafters