

Developer's Pack National Occupational Standards for Wood Occupations (Construction)

Review 2018 and 19

VR05, VR06, VR07, VR08, VR09, VR10, VR11, VR12, VR14, VR15, VR16,
VR20, VR21, VR22, VR25, VR28, VR30, VR31, VR60, VR628, VR629, VR630,
VR632, VR633, VR634, VR635, VR636

(VR289, VR290, VR631 Reviewed 2017 with IMM)

As @ 12 December 2018

(See 'Standard Template Update 2010 and 2011-12' for full details of generic
template changes)

London 270918 2x employers, 2x trade bodies, 2x lecturers

London 131118 2x employers, 2x trade bodies, 2x lecturers

Bristol 221118 3x employers, 1x trade body, 1x lecturer

London 111218 2x employers, 2x trade bodies, 2x lecturers

Sterling 131218 2x employers

PC included in COSVR633 page 134

Development Legend

1st and 2nd Meeting - Red

3rd Meeting – Green

4th Meeting - Blue

5th Meeting – Red underlined

6th Meeting – Green underlined

7th Meeting – Blue underlined

Suggestions from other occupational representatives in red italics

April 2018



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Wood Occupations

Site Carpentry

Architectural Joinery

Wheelwrighting

Shopfitting Site Work

Shopfitting Bench Work

Structural Post and Beam Carpentry

Light Structure Timber Framing

Timber Frame Erection Completed 2017

Timber Decks and Cladding

All NOS within Wood Occupations

COSVR05 v2	Install frames and lining
COSVR06 v2	Install side hung doors
COSVR07 v2	Install door ironmongery
COSVR08 v2	Install internal mouldings
COSVR09 v2	Install first fixing components
COSVR10 v2	Install second fixing components
COSVR11 v2	Erect structural carcassing components
COSVR12 v2	Maintain non-structural carpentry work
COSVR14 v4	Produce setting out details for routine products
COSVR15 v4	Mark out from setting out details for routine products
COSVR16 v4	Manufacture routine products
COSVR20 v2	Install shopfitting frames and finishings
COSVR21 v2	Install shopfitting fitments
COSVR22 v2	Install shopfronts and finishings
COSVR25 v3	Maintain non-structural or structural components
COSVR28 v2	Produce CAD setting out details
COSVR30 v2	Set out structural timber framework
COSVR31 v2	Fabricate structural timber framework
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COSVR210	Develop and maintain good working relationships OWS
COSVR211	Confirm the occupational method of work OWS
COSVR218	Co-ordinate and confirm the dimensional requirements of the work OWS
COSVR289 v4	Erect timber walls and floors
COSVR290 v5	Erect timber roof structures
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COSVR472	Produce wood and wood-based products using computer numerically controlled/numerically controlled (CNC and NC) machinery WM
COSVR553	Conserve or restore timber-based products HS
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COSVR628 v2	Set Up and use transportable cutting and shaping machines
COSVR629 v1	Install low level timber decks
COSVR630 v2	Install elevated timber decks
COSVR631 v1	Erect roof structure carcassing components
COSVR632 v2	Manufacture bespoke products
COSVR633 v1	Set up and use fixed machinery
COSVR634 v2	Produce setting out details for bespoke products
COSVR635 v1	Design and fabricate structural timber connections
COSVR636 v1	Fabricate post and beam components
COSVR641 v2	Conform to general workplace health, safety and welfare Generic
COSVR642 v1	Conform to productive work practices Generic
COSVR643 v1	Move, handle or store resources Generic

COSVR05

Install frames and linings

Overview

This standard is about interpreting information, adopting safe, healthy **and environmentally responsible** work practices, selecting **and using** materials, components, **tools** and equipment, preparing and fixing frames and linings

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

Install frames and linings

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 following 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 and working platforms
 - 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 minimise damage and maintain a clean clear 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, fit, finish, position and secure
- 8 use and maintain hand tools and portable power tools and ancillary equipment
- 9 installation to given working instructions
 - 9.1 frames (door and/or window)
 - 9.2 linings (door and/or hatch)

Performance Criteria 6

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

Install frames and linings

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, 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, manufacturers' information, oral and written instructions, sketches, electronic data, official guidance and current governing building regulations associated with installing frames and linings

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 sharpening of hand tools and operative care of portable hand and power tools and ancillary equipment

Install frames and linings

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 prepare and fix standard door and window frames, window boards, linings
 - 9.2 form joints associated with first fixing
 - ~~9.3 provide information for Building Information Modelling (BIM)~~
 - 9.4 recognise and determine when specialist skills and knowledge are required and report accordingly
 - 9.5 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
 - 9.6 identify and follow the installation quality requirements
 - 9.7 work with, around and in close proximity to plant and machinery
 - ~~9.8 direct and guide the operations and movement of plant and machinery???~~
 - 9.9 use hand tools, portable and power tools and equipment
 - 9.10 work at height
 - 9.11 use access equipment and working platforms
- 10 team work and communication
- 11 needs of other occupations associated with installing frames and linings

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, productivity targets and time scales
- 14 how times are estimated times
- 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

COSVR05

Install frames and linings

Resources

- 17 materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist
 - 17.1 timber, timber based products, composite materials, manufactured sheet material, frames, window boards, linings, adhesives, sealants, fixings and associated ancillary items
 - 17.2 fittings and fixings
 - 17.3 hand tools, and/or portable powered tools and equipment?
- 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 install frames and linings

Security procedures

- 20 site, workplace, company and operative, vehicles

COSVR06

Install side hung doors

Overview

This standard is about interpreting information, adopting safe, healthy **and environmentally responsible** work practices, selecting **and using** materials, components, **tools** and equipment, preparing and hanging side hung doors

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

COSVR06

Install side hung doors

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 following 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 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 clear 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, fit, finish, position and secure
- 8 use and maintain hand tools, portable and power tools and ancillary equipment
- 9 installation of doors (internal and/or external, single and/or double) to given working instructions

Performance Criteria 6

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

COSVR06

Install side hung doors

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, 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, manufacturers' information, oral and written instructions, sketches, electronic data, official guidance and current governing building regulations associated with installing side hung doors

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 sharpening of hand tools and operative care of portable hand and power tools and ancillary equipment

Install side hung doors

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 prepare and hang internal and external, single and double doors (non-fire resisting and fire resisting)
 - ~~9.2 provide information for Building Information Modelling (BIM)~~
 - 9.3 recognise and determine when specialist skills and knowledge are required and report accordingly
 - 9.4 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
 - 9.5 identify and follow the installation quality requirements
 - ~~9.6 work with, around and in close proximity to plant and machinery~~
 - ~~9.7 direct and guide the operations and movement of plant and machinery???~~
 - 9.8 use hand tools, portable and 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 installing side hung doors

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, productivity targets and time scales
- 14 how times are estimated times
- 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

COSVR06

Install side hung doors

Resources

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

17.1 flush, framed, panelled, batten and fire resisting doors **and** fixings
and associated ancillary items

17.2 **fittings and fixings ???**

17.3 hand **tools, and/or** portable powered tools **and equipment**

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 install side hung doors

Security procedures

20 site, workplace, company and operative, **vehicles**

COSVR07

Install door ironmongery

Overview

This standard is about interpreting information, adopting safe, healthy **and environmentally responsible** work practices, selecting **and using** materials, components, **tools** and equipment, preparing and fixing ironmongery to side hung doors

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

COSVR07

Install door ironmongery

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 following 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 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 clear 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, fit, finish, position and secure
- 8 use and maintain hand tools, portable and power tools and ancillary equipment
- 9 installation of at least two of the following ironmongery for internal and external doors to given working instructions
 - 9.1 locks
 - 9.2 latches
 - 9.3 cylinder latches
 - 9.4 bolts
 - 9.5 letter plates
 - 9.6 door closers
 - 9.7 hinge bolts

Performance Criteria 6

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

Install door ironmongery

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, 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, manufacturers' information, oral and written instructions, sketches, electronic data, official guidance and current governing building regulations associated with installing door ironmongery

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 sharpening of hand tools and operative care of portable hand and power tools and ancillary equipment

Install door ironmongery

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 prepare and fix: locks, latches, cylinder latches, bolts, letter plates, closers, door ironmongery to fire resisting and non-fire resisting doors, door closers and hinge bolts
 - ~~9.2 provide information for Building Information Modelling (BIM)~~
 - 9.3 recognise and determine when specialist skills and knowledge are required and report accordingly
 - 9.4 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
 - 9.5 identify and follow the installation quality requirements
 - ~~9.6 work with, around and in close proximity to plant and machinery~~
 - ~~9.7 direct and guide the operations and movement of plant and machinery???~~
 - 9.8 use hand tools, portable and 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 installing door ironmongery

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, productivity targets and time scales
- 14 how times are estimated times
- 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

COSVR07

Install door ironmongery

Resources

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

17.1 locks, latches, cylinder latches, bolts, letter plates, closers, fixings, door closers and hinge bolts and associated ancillary items

~~17.2 fittings and fixings ???~~

17.3 hand tools, and/or portable powered tools and equipment ???

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 install door ironmongery

Security procedures

20 site, workplace, company and operative, vehicles

COSVR08

Install internal mouldings

Overview

This standard is about interpreting information, adopting safe, healthy **and environmentally responsible** work practices, selecting **and using** materials, components, **tools** and equipment, preparing and fixing architrave and skirting

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

Install internal mouldings

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 following 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 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 clear 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, fit, finish, position and secure
- 8 use and maintain hand tools, portable and power tools and ancillary equipment
- 9 installation of at least two of the following requiring scribes and mitres to given working instructions:
 - 9.1 architrave
 - 9.2 and skirting and/or
 - 9.3.mouldings

Performance Criteria 6

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

Install internal mouldings

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, 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, manufacturers' information, oral and written instructions, and sketches, electronic data, official guidance and current governing building regulations associated with installing internal mouldings

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 sharpening of hand tools and operative care of portable hand and power tools and ancillary equipment

Install internal mouldings

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 prepare and fix: architraves, skirting, dado rails, picture rails, mouldings, mitre and scribe, scribe to irregular surfaces, return mouldings across width and thickness
 - ~~9.2 provide information for Building Information Modelling (BIM)~~
 - 9.3 recognise and determine when specialist skills and knowledge are required and report accordingly
 - 9.4 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
 - 9.5 identify and follow the installation quality requirements
 - ~~9.6 work with, around and in close proximity to plant and machinery~~
 - ~~9.7 direct and guide the operations and movement of plant and machinery???~~
 - 9.8 use hand tools, portable and 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 installing internal mouldings

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, productivity targets and time scales
- 14 how times are estimated times
- 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

COSVR08

Install internal mouldings

Resources

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

17.1 architrave, skirting, ~~dado rails, picture rails~~ and fixings and associated ancillary items

~~17.2 fittings and fixings ??~~

17.3 hand ~~tools, and/or portable~~ powered tools and equipment ??

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 install internal mouldings

Security procedures

20 site, workplace, company and operative, vehicles

COSVR09

Install first fixing components

Overview

This standard is about interpreting information, adopting safe, healthy **and environmentally responsible** work practices, selecting **and using** materials, components, **tools** and equipment, preparing and carrying out first fixing

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

COSVR09

Install first fixing components

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 following 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 ~~and working platforms~~
 - 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 ~~minimise damage and~~ maintain a clean clear 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, fit, finish, position and secure
- 8 use and maintain hand ~~tools, portable~~ and power tools ~~and ancillary equipment~~
- 9 installation of at least ~~four~~ three of the following to given working instructions
 - 9.1 frames (door and/or window)
 - 9.2 linings (door and/or hatch)
 - 9.3 floor joist coverings (or flat roof decking)
 - 9.4 partitions
 - 9.5 staircases
 - 9.6 roof verge and eaves finishings

Performance Criteria 6

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

COSVR09

Install first fixing components

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, 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, manufacturers' information, oral and written instructions, and sketches, electronic data, official guidance and current governing building regulations associated with installing first fixing components

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 sharpening of hand tools and operative care of portable hand and power tools and ancillary equipment

Install first fixing components

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 prepare and fix standard door and window frames, window boards, linings, flooring and decking, partitions full or partial height, plasterboard, staircases straight or with turns
 - 9.2 form joints associated with first fixing
 - 9.3 cut, fit and fix coverings and finishings in timber, timber based products, composite materials (flat roofs, verges and eaves, floors, decks)
 - 9.4 provide information for Building Information Modelling (BIM)
 - 9.5 recognise and determine when specialist skills and knowledge are required and report accordingly
 - 9.6 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
 - 9.7 identify and follow the installation quality requirements
 - 9.8 work with, around and in close proximity to plant and machinery
 - 9.9 direct and guide the operations and movement of plant and machinery???
 - 9.10 use hand tools, portable and power tools and equipment???
 - 9.11 work at height
 - 9.12 use access equipment and working platforms
- 10 team work and communication
- 11 needs of other occupations associated with installing first fixing 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, productivity targets and time scales
- 14 how times are estimated times
- 15 organisational procedures for reporting circumstances which will affect the work programme

COSVR09

Install first fixing components

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/or specialist

17.1 timber, timber based products, composite materials, manufactured sheet material, metals, frames, linings, staircases, adhesives, sealants and fixings and associated ancillary items

~~17.2 fittings and fixings??~~

17.3 hand tools, and/or portable powered tools and equipment??

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 install first fixing components

Security procedures

20 site, workplace, company and operative, vehicles

COSVR10

Install second fixing components

Overview

This standard is about interpreting information, adopting safe, healthy **and environmentally responsible** work practices, selecting **and using** materials, components, **tools** and equipment, preparing and carrying out second fixing

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

COSVR10

Install second fixing components

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 **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 **or working platforms**

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 **minimise damage and** maintain a **clean** clear 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, fit, finish, position and secure

- 8 use and maintain hand **tools, portable** and power tools **and ancillary equipment**

- 9 installation of at least five of the following to given working instructions

9.1 side hung doors

9.2 mouldings (architrave, skirting)

9.3 ironmongery

9.4 service encasement

9.5 **wall and floor** **prefabricated** units **or fitments**

9.6 cladding **or panelling**

9.7 stair components (balustrades, handrails, spindles)

Performance Criteria 6

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

COSVR10

Install second fixing components

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, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of **protection 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, manufacturers' information, oral **and** written **instructions, and** sketches, **electronic data, official guidance** and **current governing building regulations associated with installing second fix components**

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 sharpening of **hand** tools and operative care of **portable hand and** power tools **and ancillary equipment**

COSVR10

Install second fixing components

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 prepare and fix internal and external side hung doors, fire resisting and non-fire resisting doors, door closers, ironmongery, architraves, skirting, dado rails, picture rails, internal and external cladding, service encasements, wall and floor prefabricated units and fitments, stair components (balustrades, handrails, spindles)
 - 9.2 form joints associated with second fixing
 - ~~9.3 provide information for Building Information Modelling (BIM)~~
 - 9.4 recognise and determine when specialist skills and knowledge are required and report accordingly
 - 9.5 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
 - 9.6 identify and follow the installation quality requirements
 - 9.7 work with, around and in close proximity to plant and machinery
 - ~~9.8 direct and guide the operations and movement of plant and machinery???~~
 - 9.9 use hand tools, portable and power tools and equipment???
 - 9.10 work at height
 - 9.11 use access equipment and working platforms??
- 10 team work and communication
- 11 needs of other occupations associated with installing second fixing 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, productivity targets and time scales
- 14 how times are estimated times
- 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

COSVR10

Install second fixing components

Resources

- 17 materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist
- 17.1 timber, timber based products, composite materials, manufactured sheet material timber boarding, plastics, metals, doors, mouldings, ironmongery, wall and floor prefabricated units and fittings, adhesives, sealants and fixings and associated ancillary items
- ~~17.2 fittings and fixings ???~~
- 17.3 hand tools, and/or portable powered tools and equipment ???
- 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 install second fixings

Security procedures

- 20 site, workplace, company and operative, vehicles

COSVR11

Erect structural carcassing components

Overview

This standard is about interpreting information, adopting safe, healthy **and environmentally responsible** work practices, selecting **and using** materials, components, **tools and** equipment, preparing and carrying out the erection of carcassing components for roofs and floors

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

COSVR11

Erect structural carcassing components

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 **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 **and working platforms**
 - 2.4 safe use, storage and handling of materials, **tools and equipment**
 - 2.5 **safe use and storage of tools and equipment**
 - 2.6 **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 **minimise damage and** maintain a **clean** clear 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, fit, finish, position and secure
- 8 use and maintain hand **tools, portable** **and** power tools **and ancillary equipment**
- 9 erection of at least one of the following to given working instructions
 - 9.1 inclined roofs with gables
 - 9.2 **roof verge and eaves finishings** **load bearing partitions**
 - 9.3 joists (ground, upper or flat roof), including coverings (flat roofs, decks or floors)

Performance Criteria 6

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

COSVR11

Erect structural carcassing components

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, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of **protection 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, manufacturers' information, oral **and** written **instructions, and sketches, electronic data, official guidance and current governing building regulations associated with erecting structural carcassing components**

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 sharpening of **hand** tools and operative care of **portable hand and** power tools **and ancillary equipment**

COSVR11

Erect structural carcassing components

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 prepare and fix gable roof trussed rafters, cut roofs, ground, upper and flat roof joists, load bearing partitions
 - ~~9.2 cut, fit and fix coverings and finishings in timber and plastic (flat roofs, verges and eaves, floors, decks)~~
 - 9.3 form joints associated with carcassing
 - ~~9.4 provide information for Building Information Modelling (BIM)~~
 - 9.5 recognise and determine when specialist skills and knowledge are required and report accordingly
 - 9.6 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
 - 9.7 identify and follow the installation quality requirements
 - 9.8 work with, around and in close proximity to plant and machinery
 - ~~9.9 direct and guide the operations and movement of plant and machinery???~~
 - 9.10 use hand tools, portable and power tools and equipment???
 - 9.11 work at height
 - 9.12 use access equipment and working platforms???
- 10 team work and communication
- 11 needs of other occupations associated with erecting structural carcassing 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, productivity targets and time scales
- 14 how times are estimated times
- 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

COSVR11

Erect structural carcassing components

Resources

- 17 materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist
 - 17.1 timber, timber based products, composite materials, manufactured sheet material, plastic mouldings, metals, trussed rafters, adhesives, sealants and fixings and associated ancillary items
 - ~~17.2 fittings and fixings ??~~
 - 17.3 hand tools, and/or portable powered tools and equipment ?
- 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 erect structural carcassing components

Security procedures

- 20 site, workplace, company and operative, vehicles

COSVR12

Maintain non-structural carpentry work

Overview

This standard is about interpreting information, adopting safe, healthy **and environmentally responsible** work practices, selecting **and using** materials, components, **tools and** equipment, repairing **and/or replacing** defective timber frames, mouldings and sash cords

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

COSVR12

Maintain non-structural carpentry work

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 **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 **and working platforms**
 - 2.4 safe use, storage and handling of materials, **tools and equipment**
 - 2.5 **safe use and storage of tools and equipment**
 - 2.6 **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 **minimise damage and** maintain a **clean** clear and tidy work space
- 6 disposal of waste in accordance with **current** legislation

COSVR12

Maintain non-structural carpentry work

Performance Criteria 5

7 demonstration of work skills to measure, mark out, splice, fit, finish, position and secure

8 use and maintain hand tools, portable and power tools and ancillary equipment

9 repair and/or replace at least four of the following to given working instructions

9.1 frames

9.2 mouldings

9.3 doors

9.4 windows (including replacement glazing)

9.5 door and/or window ironmongery

9.6 verge and/or eaves

9.7 guttering and downpipes

9.8 sash cords

10 prime the repair to the work

Performance Criteria 6

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

COSVR12

Maintain non-structural carpentry work

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, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of **protection 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, manufacturers' information, oral **and** written **instructions, and** sketches, **electronic data, official guidance** and **current governing building regulations associated with maintain non-structural carpentry work**

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

Maintain non-structural carpentry work

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 splice and replace frames and mouldings linings
 - 9.2 repair and replace doors and windows
 - 9.3 repair and replace ironmongery
 - 9.4 repair or and replace guttering, downpipes
 - 9.5 replace sash cords, lead weights and spring balances
 - 9.6 replace architraves, skirtings, panels, mouldings dado and rails and picture rails
 - 9.7 form joints associated with repairs
 - 9.8 provide information for Building Information Modelling (BIM)
 - 9.9 recognise and determine when specialist skills and knowledge are required and report accordingly
 - 9.10 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
 - 9.11 identify and follow the installation quality requirements
 - 9.12 work with, around and in close proximity to plant and machinery
 - 9.13 direct and guide the operations and movement of plant and machinery???
 - 9.14 use hand tools, portable and power tools and equipment???
 - 9.15 work at height
 - 9.16 use access equipment and working platforms???
- 10 team work and communication
- 11 needs of other occupations associated with maintaining non-structural carpentry work

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, productivity targets and time scales
- 14 how times are estimated times
- 15 organisational procedures for reporting circumstances which will affect the work programme

COSVR12

Maintain non-structural carpentry work

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/or specialist

17.1 timber, timber based products, composite materials, manufactured sheet material, prefabricated components, ironmongery, metals, sash cord, adhesives, sealants, guttering and downpipe, fixings and associated ancillary items

17.2 fittings and fixings

17.3 hand tools, and/or portable powered tools and equipment ???

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 maintain non-structural carpentry work

Security procedures

20 site, workplace, company and operative, vehicles

COSVR14

Produce setting out details for routine products

Overview

This standard is about interpreting information, adopting safe, healthy and environmentally responsible work practices, selecting and using materials, components, tools and equipment and producing plain setting out details for one or more of the following: architectural joinery; wheelwrighting (carriage construction); shopfitting products (timber, timber based products and/or composite materials and/or non-ferrous metal)

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

COSVR14

Produce setting out details for routine products

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of drawings, specifications, schedules, cutting lists, 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 **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 **safe use and storage of tools and equipment**
 - 2.6 **specific risks to health**

Performance Criteria 3

- 3 selection of resources associated with own work
 - 3.1 materials, components and fixings
 - 3.2 marking and testing tools and equipment

Performance Criteria 4

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

Produce setting out details for routine products

Performance Criteria 5

- 7 demonstration of work skills to measure, mark out and draw
- 8 use and maintain hand tools, portable and power tools and ancillary equipment
- 9 produce setting out details and cutting lists for routine products to given working instructions for one of the following groups
 - 9.1 architectural joinery group (at least two items from the following):
doors; windows with opening lights; units and/or fitments (panelling or cladding); staircases
 - 9.2 wheelwrighting group (carriage construction): wheels plus at least one item from the following: doors; frames; wooden framed vehicles; shafts
 - 9.3 shopfitting products group (timber and/or timber based products and/or composite materials, and/or non-ferrous metal based) at least two items from the following: doors; frames and linings; shopfront sashes including associated elements; panelling or cladding; wall and floor units

Performance Criteria 6

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

Produce setting out details for routine products

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, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of protection 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, cutting lists, method statements, risk assessments, manufacturers' information, component standards, oral and written instructions, and sketches, electronic data, official guidance and current regulations governing buildings (animal welfare) associated with producing setting out details for routine products

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 care of marking and testing tools, hand tools, portable and power

Produce setting out details for routine products

tools and ancillary equipment ???

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 set out and produce cutting lists for routine products
 - 9.2 produce straight in plan and elevation: doors, frames (glazed and non-glazed), windows with opening lights, linings, units, fitments and panelling and cladding, staircases
 - 9.3 produce wooden framed vehicles, shafts and wheels (wheelwrighting only)
 - 9.4 take site and workplace and record dimensions
 - 9.5 proportion joints associated with the product and construction method
 - 9.6 use marking and testing tools
 - 9.7 requisition material
 - ~~9.8 provide information for Building Information Modelling (BIM)~~
 - 9.9 recognise and determine when specialist skills and knowledge are required and report accordingly
 - ~~9.10 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance~~
 - 9.11 identify and follow the installation quality requirements
 - 9.12 work with, around and in close proximity to plant and machinery
 - ~~9.13 direct and guide the operations and movement of plant and machinery???~~
 - 9.14 use hand tools, portable and power tools and equipment ???
 - 9.15 work at height
 - 9.16 use access equipment
- 10 team work and communication
- 11 needs of other occupations associated with producing setting out details for routine products

Problems

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

COSVR14

Produce setting out details for routine products

Programme

- 13 types of ~~progress charts, timetables~~, productivity targets and time scales
- 14 how times are estimated times
- 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/or specialist
 - 17.1 timber, timber based products, composite materials, manufactured sheet material, paper for rods, glass, plastic, fabric, non-ferrous metal, ironmongery, adhesives and fixings and associated ancillary items
 - 17.2 marking and testing tools and equipment
 - 17.3 fittings and fixings
 - 17.4 hand tools, portable and power tools and equipment
 - 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 produce setting out details and cutting lists
- #### Security procedures
- 20 site, workplace, company and operative, vehicles

COSVR15

Mark out from setting out details for routine products

Overview

This standard is about interpreting information, adopting safe, healthy **and environmentally responsible** work practices, selecting materials, components and equipment and marking out from routine product setting out for one or more of the following: architectural joinery; wheelwrighting (carriage construction); shopfitting products (timber, **timber based products and/or composite materials** and/or **non-ferrous** metal)

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

Mark out from setting out details for routine products

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of drawings, specifications, schedules, cutting lists, 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 **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 **safe use and storage of tools and equipment**
 - 2.6 **specific risks to health**

Performance Criteria 3

- 3 selection of resources associated with own work
 - 3.1 materials, components and fixings
 - 3.2 marking and testing tools and equipment

Performance Criteria 4

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

Mark out from setting out details for routine products

Performance Criteria 5

- 7 demonstration of work skills to measure, mark out and draw
- 8 use and maintain marking and testing tools, hand tools, portable and power tools and ancillary equipment
- 9 mark out from setting out rods (template) routine products to given working instructions for one of the following groups
 - 9.1 architectural joinery group; at least two items from the following: doors; windows with opening lights; units and/or fitments (panelling or cladding); staircases
 - 9.2 wheelwrighting group (carriage construction): wheels plus at least one item from the following – doors; frames; wooden framed vehicles; shafts
 - 9.3 shopfitting products group (timber and/or timber based products, and/or composite materials and/or non-ferrous metal based) at least two items from the following: doors; frames and linings; shopfront sashes, including associated elements; panelling or cladding; wall and floor units

Performance Criteria 6

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

COSVR15

Mark out from setting out details for routine products

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, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of protection 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, cutting lists, method statements, risk assessments, manufacturers' information, component standards, oral and written instructions, and sketches, electronic data, official guidance (animal welfare) and current governing building regulations associated with marking out from setting out details for routine products

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

Mark out from setting out details for routine products

Maintenance

- 8 operative care of marking and testing tools, hand tools, portable and 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 and area of work and materials used to
 - 9.1 mark out from setting out details and cutting lists
 - 9.2 produce straight in plan and elevation: doors, frames (glazed and non-glazed), windows with opening lights, linings, units, fitments and panelling and cladding, staircases
 - 9.3 produce wooden framed vehicles, shafts and wheels (wheelwrighting only)
 - 9.4 take site and workplace transfer and mark dimensions
 - 9.5 proportion joints associated with the product and construction method
 - 9.6 use marking and testing tools
 - 9.7 requisition material
 - ~~9.8 provide information for Building Information Modelling (BIM)~~
 - 9.9 recognise and determine when specialist skills and knowledge are required and report accordingly
 - 9.10 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
 - 9.11 identify and follow the installation quality requirements
 - 9.12 work with, around and in close proximity to plant and machinery
 - ~~9.13 direct and guide the operations and movement of plant and machinery ???~~
 - 9.14 use hand tools, portable and power tools and equipment ???
 - 9.15 work at height
 - 9.16 use access equipment
- 10 team work and communication
- 11 needs of other occupations associated with marking out from setting out details

Problems

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

Mark out from setting out details for routine products

12.2 organisational reporting procedures

Programme

13 types of ~~progress charts, timetables,~~ productivity targets and time scales

14 ~~how times are~~ estimated times

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/or specialist

17.1 timber, timber based products, composite materials, ~~manufactured sheet material, setting out rods, glass, plastic, fabric, non-ferrous metal, ironmongery, adhesives and fixings~~ and associated ancillary items

17.2 marking and testing tools and equipment

17.3 ~~fittings and fixings~~

17.4 ~~hand tools, portable and power tools and equipment~~

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 produce setting out details and cutting lists

Security procedures

20 site, workplace, company and operative, vehicles

COSVR16

Manufacture routine products

Overview

This standard is about interpreting information, adopting safe, healthy **and environmentally responsible** work practices, selecting **and using** materials, components, **tools and** equipment and fitting and assembling products for one or more of the following: architectural joinery; wheelwrighting (carriage construction); shopfitting products (timber, **timber based products and/or composite materials** and/or **non-ferrous** metal)

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

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 **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 **safe use and storage of tools and equipment**
 - 2.6 **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 **minimise damage and** maintain a **clean** clear and tidy work space
- 6 disposal of waste in accordance with **current** legislation

COSVR16

Manufacture routine products

Performance Criteria 5

- 7 demonstration of work skills to measure, mark out, fit, finish, position and secure
- 8 use and maintain hand tools, portable and power tools and ancillary equipment
- 9 fit and assemble to form routine manufactured products to given working instructions from one of the following groups
 - 9.1 architectural joinery group; at least two items from the following: doors; windows with opening lights; units and/or fitments (panelling and cladding); staircases
 - 9.2 wheelwrighting group (carriage construction): wheels (including butt welding rim) plus at least one item from the following – doors; frames; wooden framed vehicles; shafts
 - 9.3 shopfitting products group (timber, timber based products and/or composite materials and/or non-ferrous metal based) at least two items from the following: doors; frames and linings; shopfront sashes including associated elements; panelling and cladding; wall and floor units

Performance Criteria 6

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

COSVR16

Manufacture routine products

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, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of **protection 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, cutting lists, method statements, risk assessments, manufacturers' information, component standards, oral **and** written **instructions, and** sketches, **electronic data, official guidance (animal welfare)** and current regulations **governing buildings and building regulations associated with manufacturing routine products**

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

Manufacture routine products

Maintenance

- 8 sharpening of **hand** tools and operative care of **portable hand and** 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 **and** area of work and materials used to
 - 9.1 fit and assemble routine products
 - 9.2 produce straight in plan and elevation: doors, windows with opening lights, units, fitments and panelling **and** cladding, staircases
 - 9.3 produce wooden framed vehicles, shafts and wheels (wheelwrighting only)
 - 9.4 produce **welded metal** carriage components (wheelwrighting only)
 - 9.5 **take site and workplace** **check and work to marked** dimensions
 - 9.6 form joints associated with the product and construction method
 - ~~9.7 provide information for Building Information Modelling (BIM)~~
 - 9.8 **recognise and determine when specialist skills and knowledge are required and report accordingly**
 - 9.9 **determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance**
 - 9.10 **identify and follow the installation quality requirements**
 - 9.11 **work with, around and in close proximity to plant and machinery**
 - ~~9.12 direct and guide the operations and movement of plant and machinery???~~
 - 9.13 use hand tools, portable power tools and equipment
 - 9.14 **work at height**
 - 9.15 **use access equipment**
 - 10 team work and communication
 - 11 needs of other occupations associated with manufacturing routine products
- ### Problems
- 12 those arising from information, resources and methods of work
 - 12.1 own authority to rectify
 - 12.2 organisational reporting procedures

COSVR16

Manufacture routine products

Programme

- 13 types of ~~progress charts, timetables~~, productivity targets and time scales
- 14 how times are estimated ~~times~~
- 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/or specialist
 - 17.1 timber, timber based products, composite materials, manufactured sheet material, pre-machined components, setting out rods, non-ferrous metal, fabric, metal and rubber rims, glass, plastic, ironmongery and adhesives, ~~fixings and associated ancillary items~~
 - 17.2 fittings and fixings
 - 17.3 hand tools, portable and power tools and equipment
- 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 manufacture routine products

Security procedures

- 20 site, workplace, company and operative, vehicles

COSVR20

Install shopfitting frames and finishings

Overview

This standard is about interpreting information, adopting safe, healthy and environmentally responsible work practices, selecting and using materials, components, tools and equipment, preparing and fixing internal timber, timber based products and/or composite materials and/or non-ferrous metal shopfitting frames and finishings

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

Install shopfitting frames and finishings

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 ~~following the~~ 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 ~~and working platforms~~
 - 2.4 safe use, storage and handling of materials, **tools and equipment**
 - 2.5 ~~safe use and storage of tools and equipment~~
 - 2.6 **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 ~~minimise damage and~~ maintain a **clean** clear and tidy work space
- 6 disposal of waste in accordance with **current** legislation

COSVR20

Install shopfitting frames and finishings

Performance Criteria 5

- 7 demonstration of work skills to measure, mark out, fit, finish, position and secure
- 8 use and maintain hand tools, portable and power tools and ancillary equipment
- 9 installation to given working instructions of at least three six of the following in timber, timber based products and/or composite materials, and/or non-ferrous metal
 - 9.1 door frames
 - 9.2 linings
 - 9.3 hung doors
 - 9.4 door sets
 - 9.5 moulding or trims
 - 9.6 ironmongery
 - 9.7 service encasement
 - 9.8 wall linings or panelling or cladding
 - 9.9 partition walling
 - 9.10 staircase finishings and balustrades
 - 9.11 staircases
 - 9.12 bulkheads and soffits
 - 9.13 units and fitments
 - 9.14 window frames

Performance Criteria 6

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

COSVR20

Install shopfitting frames and finishings

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, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of **protection 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, manufacturers' information, oral **and written instructions**, sketches, **electronic data**, **official guidance** and **current governing building regulations associated with installing shopfitting frames and finishings**

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 sharpening of **hand** tools and operative care of **portable hand and** power tools **and ancillary equipment**

Install shopfitting frames and finishings

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 prepare and fix timber, timber based products and/or composite materials and/or non-ferrous metal: door frames, linings, hung doors (fire resisting and non-fire resisting), door sets, ironmongery, architraves, skirtings, glaze rails, trims, panelling and cladding, service encasements, partition walling, staircase finishings and balustrades, staircases, bulkheads and soffits???
 - 9.2 form joints associated with shopfitting e.g. knock down fittings, biscuit, cam
 - ~~9.3 provide information for Building Information Modelling (BIM)~~
 - 9.4 recognise and determine when specialist skills and knowledge are required and report accordingly
 - 9.5 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
 - 9.6 identify and follow the installation quality requirements
 - 9.7 work with, around and in close proximity to plant and machinery
 - ~~9.8 direct and guide the operations and movement of plant and machinery???~~
 - 9.9 use hand tools, portable and power tools and equipment
 - 9.10 work at height
 - 9.11 use access equipment and working platforms???
- 10 team work and communication
- 11 needs of other occupations associated with shopfitting installations

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, productivity targets and time scales
- 14 how times are estimated times
- 15 organisational procedures for reporting circumstances which will affect the work programme

COSVR20

Install shopfitting frames and finishings

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/or specialist

17.1 timber, timber based products, composite materials, manufactured sheet material non-ferrous metals, plastics, fabrics, door frames, linings, doors, paneling and cladding, staircases, mouldings and trims, ironmongery, adhesives and sealants, fixings and associated ancillary items

17.2 fittings and fixings

17.3 hand tools, and/or portable powered tools and equipment ???

18 confirm resources and materials conform with the specification

19 methods of calculating quantity, length, area and wastage associated with the method and procedure for shopfitting installations

Security procedures

20 site, workplace, company and operative, vehicles

Overview

This standard is about interpreting information, adopting safe, healthy and environmentally responsible work practices, selecting and using materials, components, tools and equipment, preparing and fixing timber, timber based products and/or composite materials and/or non-ferrous metal internal shopfitting counters, units and fixed seating arrangements

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

COSVR21

Install shopfitting fitments

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 ~~following the~~ 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 ~~or working platforms~~
 - 2.4 safe use, storage and handling of materials, **tools and equipment**
 - 2.5 **safe use and storage of tools and equipment**
 - 2.6 **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 ~~minimise damage and~~ maintain a **clean** clear 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, fit, finish, position and secure
- 8 use and maintain hand ~~tools, portable~~ **and** power tools ~~and ancillary equipment~~
- 9 installation to given working instructions of at least two of the following in timber, **timber based products and/or composite materials** and/or ~~non-~~ **ferrous** metal
 - 9.1 counters
 - 9.2 display units
 - 9.3 shelving units
 - 9.4 fixed seating

Performance Criteria 6

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

COSVR21

Install shopfitting fitments

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, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of **protection 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, manufacturers' information, oral **and** written **instructions, and** sketches, **electronic data, official guidance** and **current governing building regulations associated with installing shopfitting fitments**

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 sharpening of **hand** tools and operative care of **portable hand and** power tools **and ancillary equipment**

COSVR21

Install shopfitting fitments

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 prepare and fix timber, timber based products and/or composite materials and/or non-ferrous metal counters, display units, shelving units and fixed seating
 - 9.2 form joints associated with shopfitting e.g. mortice and tenon, housings, dovetail, dowel, cam and stud and biscuit
 - ~~9.3 provide information for Building Information Modelling (BIM)~~
 - 9.4 recognise and determine when specialist skills and knowledge are required and report accordingly
 - 9.5 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
 - 9.6 identify and follow the installation quality requirements
 - 9.7 work with, around and in close proximity to plant and machinery
 - ~~9.8 direct and guide the operations and movement of plant and machinery???~~
 - 9.9 use hand tools, portable and power tools and equipment???
 - 9.10 work at height
 - 9.11 use access equipment and working platforms

10 team work and communication

11 needs of other occupations associated with shopfitting installations

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, productivity targets and time scales

14 how times are estimated times

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

COSVR21

Install shopfitting fitments

Resources

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

17.1 timber, timber based products, composite materials, manufactured sheet material, metals, plastics, fabrics, counters, display units, shelving units, fixed seating, adhesives and sealants, fixings and associated ancillary items

17.2 fittings and fixings

17.3 hand tools, and/or portable powered tools and equipment ???

18 confirm resources and materials conform with the specification

19 methods of calculating quantity, length, area and wastage associated with the method and procedure for shopfitting installations

Security procedures

20 site, workplace, company and operative, vehicles

COSVR22

Install shopfronts and finishings

Overview

This standard is about interpreting information, adopting safe, healthy and environmentally responsible work practices, selecting and using materials, components, tools and equipment, preparing and fixing timber, timber based products and/or composite materials and/or non-ferrous metal shopfronts and associated finishings

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

COSVR22

Install shopfronts and finishings

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 ~~following the~~ 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 ~~or working platforms~~
 - 2.4 safe use, storage and handling of materials, **tools and equipment**
 - 2.5 ~~safe use and storage of tools and equipment~~
 - 2.6 **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 ~~minimise damage and~~ maintain a **clean** clear 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, fit, finish, position and secure
- 8 use and maintain hand ~~tools, portable~~ **and** power tools ~~and ancillary equipment~~
- 9 installation to given working instructions of at least three of the following in timber, **timber based products and/or composite materials** and/or ~~non-ferrous~~ **metal**
 - 9.1 shopfront surrounds
 - 9.2 stall risers
 - 9.3 mouldings **or** trims
 - 9.4 window beds
 - 9.5 fascias
 - 9.6 specialist treatment and finishings ~~of non-ferrous metal (applies to non-ferrous metal only)~~

COSVR22

Install shopfronts and finishings

9.7 [Blind box](#)

Performance Criteria 6

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

COSVR22

Install shopfronts and finishings

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, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of **protection 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, manufacturers' information, oral **and** written **instructions, and** sketches, **electronic data, official guidance** and **current governing building regulations associated with installing shop fronts and finishes**

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 sharpening of **hand** tools and operative care of **portable hand and** power tools **and ancillary equipment**

Install shopfronts and finishings

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 prepare and fix timber, timber based products, composite materials, and/or non-ferrous metal shopfront surrounds, stall risers, mouldings and trims, window beds, fascias, blind boxes and signs
 - 9.2 form joints associated with shopfitting
 - 9.3 treat and finish non-ferrous metal timber, timber based products, composite materials and metal
 - ~~9.4 provide information for Building Information Modelling (BIM)~~
 - 9.5 recognise and determine when specialist skills and knowledge are required and report accordingly
 - 9.6 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
 - 9.7 identify and follow the installation quality requirements
 - 9.8 work with, around and in close proximity to plant and machinery
 - ~~9.9 direct and guide the operations and movement of plant and machinery???~~
 - 9.10 use hand tools, portable and power tools and equipment???
 - 9.11 work at height
 - 9.12 use access equipment and working platforms???
- 10 team work and communication
- 11 needs of other occupations associated with shopfitting installations

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, productivity targets and time scales
- 14 how times are estimated times
- 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

COSVR22

Install shopfronts and finishings

Resources

- 17 materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist
 - 17.1 timber, timber based products, composite materials, manufactured sheet material, non-ferrous metals, plastics, shopfront surrounds, stall risers, mouldings and trims, window beds, fascias, signs, adhesives and sealants, fixings and associated ancillary items
 - 17.2 fittings and fixings
 - 17.3 hand tools, and/or portable powered tools and equipment ???
- 18 confirm resources and materials conform with the specification
- 19 methods of calculating quantity, length, area and wastage associated with the method and procedure for shopfitting installations

Security procedures

- 20 site, workplace, company and operative, vehicles

COSVR25

Maintain non-structural or structural components



Overview

This standard is about interpreting information, adopting safe, healthy **and environmentally responsible** work practices, selecting **and using** materials, components, **tools and** equipment for repairing non-structural and/or structural components **in timber, timber based products, composite materials and metals**

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

COSVR25

Maintain non-structural or structural components

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 **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 **and working platforms**
 - 2.4 safe use, storage and handling of materials, **tools and equipment**
 - 2.5 **safe use and storage of tools and equipment**
 - 2.6 **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 **minimise damage and** maintain a **clean** clear and tidy work space
- 6 disposal of waste in accordance with current legislation

Maintain non-structural or structural components

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~~ and power tools ~~and ancillary equipment~~
- 9 repair ~~and/or replace~~ at least ~~five~~ ~~three~~ of the following non- structural components to given working instructions in timber, timber based products, composite materials and metals
 - 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 windows replacement glazing
 - 9.8 fascia, soffits and bargeboards
 - 9.9 non-structural stair components
 - 9.10 false ceiling
10. repair and/or replace at least two of the following structural components to given working instructions in timber, timber based products, composite materials and metals
 - 10.1 stall risers
 - 10.2 structural joists (including support)
 - 10.3 structural rafters (including support)
 - 10.4 structural stair components
 - 10.5 load bearing partitions
 - 10.6 form openings

Performance Criteria 6

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

COSVR25

Maintain non-structural or structural components

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, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of **protection 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, manufacturers' information, oral **and** written **instructions, and** sketches, **electronic data, official guidance** and **current governing building regulations associated with maintaining non-structural or structural components**

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 **sharpening and operative care of hand and power tools**

Maintain non-structural or structural components

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 replace and repair ~~splice door and window~~ the following non-structural components in timber, timber based products, composite materials and metals: frames, mouldings, floor joist covering, flat roof coverings and ~~structural timbers, replace~~ sash cords, windows and ~~re-glaze~~ glazing, fascia, soffits, bargeboards, non-structural stair components, false ceiling, re-lay brick and blockwork, make good paintwork, plasterwork, brickwork and wall tiling
 - 9.2 replace and repair the following structural components in timber, timber based products, composite materials: stall risers; structural joists including support, structural rafters (including support), structural stair components, load bearing partitions and form openings
 - 9.3 identify load bearing points
 - 9.4 prop and support existing structures
 - 9.5 replace frames and mouldings
 - 9.6 repair or replace door and window ironmongery
 - 9.7 repair and ~~for~~ replace guttering and downpipes
 - 9.8 repair or replace fascia, soffits and bargeboards
 - 9.9 form joints associated with repairs
 - ~~9.10 provide information for Building Information Modelling (BIM)~~
 - 9.11 recognise and determine when specialist skills and knowledge are required and report accordingly
 - 9.12 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
 - 9.13 identify and follow the installation quality requirements
 - 9.14 work with, around and in close proximity to plant and machinery
 - ~~9.15 direct and guide the operations and movement of plant and machinery???~~
 - 9.16 use hand ~~tools, portable~~ and power tools ~~and equipment~~
 - 9.17 work at height
 - 9.18 use access equipment ~~and working platforms???~~
- 10 team work and communication

COSVR25

Maintain non-structural or structural components

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, productivity targets and time scales

14 how times are estimated times

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/or specialist

17.1 timber, timber based products, composite materials, manufactured sheet material, metals, mouldings, sash cord, paint, bricks, tiles, cement, sand, plaster, preservatives, adhesives, sealants, fixings, guttering and ironmongery, downpipes and associated ancillary items

17.2 fittings and fixings

17.3 hand tools, portable and power tools and equipment

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 maintain non-structural or structural components

Security procedures

20 site, workplace, company and operative, vehicles

COSVR28

Produce CAD setting out details

Overview

This standard is about interpreting information, adopting safe, healthy **and environmentally responsible** work practices, selecting **and using** materials, components, **tools** and equipment, producing setting out details and/or working drawings using computer aided design (CAD)

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

COSVR28

Produce CAD setting out details

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 following the complying with the given information relating to at least four of the following
 - 2.1 methods of work
 - 2.2 safe use of visual display unit equipment
 - 2.3 safe use of health and safety control equipment
 - 2.4 safe use of access equipment ???
 - 2.5 safe use, storage and handling of materials, tools etc
 - 2.6 safe use etc
 - 2.6 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 minimise damage and maintain a clean clear and tidy work space
- 6 disposal of waste in accordance with current legislation

Performance Criteria 5

- 7 demonstration of work skills to input data using a keyboard, operate mouse, customise settings, file manage, back-up information, enhance features, code components and multi-layer details
- 8 use and maintain hand etc equipment
- 9 produce CAD setting out details, by use of pre-developed programme to given working instructions for
 - 9.1 products straight in plan and elevation
 - 9.2 products with single curvature details
- 10 produce working drawings
- 11 produce cutting lists, with materials
- 12 monitor and validate accuracy of output

Performance Criteria 6

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

Produce CAD setting out details

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, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of protection prevention for occupational use, types and purpose of each type, work situations and general work environment
 - 5.1 correct position and type of workstation equipment (anti-glare monitor, mouse arm supports, seat, keyboard)
 - 5.2 collective protective measures
 - 5.3 personal protective equipment (PPE)
 - 5.4 respiratory protective equipment (RPE)
 - 5.5 local exhaust ventilation (LEV)

Information

- 6 drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, component standards, oral and written instructions, and sketches, electronic data, official guidance and current governing building regulations associated with producing CAD setting out details

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

Produce CAD setting out details

Maintenance

- 8 operative care of ~~hand tools, portable and 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 and area of work and materials used to
 - 9.1 set out by CAD; products straight in plan and elevation
 - 9.2 set out by CAD; products with single curvature details
 - 9.3 monitor and validate output
 - 9.4 take site and workplace dimensions
 - 9.5 produce cutting lists with materials
 - 9.6 proportion joints associated with the products to be produced
 - 9.7 requisition material
 - 9.8 present products on visual display unit equipment
 - 9.9 use visual display unit equipment (e.g. anti-glare monitor, mouse arm supports, seat type and position, keyboard position)
 - 9.10 provide information for Building Information Modelling (BIM)
 - 9.11 recognise and determine when specialist skills and knowledge are required and report accordingly
 - ~~9.12 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance~~
 - ~~9.13 identify and follow the installation quality requirements~~
 - ~~9.14 work with, around and in close proximity to plant and machinery~~
 - ~~9.15 direct and guide the operations and movement of plant and machinery???~~
 - 9.16 use ~~hand tools, portable and power tools and~~ CAD equipment
 - ~~9.17 work at height~~
 - ~~9.18 use access equipment~~
 - 10 team work and communication
 - 11 needs of other occupations associated with producing CAD setting out details
- ### Problems
- 12 those arising from information, resources and methods of work
 - 12.1 own authority to rectify
 - 12.2 organisational reporting procedures

COSVR28

Produce CAD setting out details

Programme

- 13 types of ~~progress charts, timetables~~, productivity targets and time scales
- 14 how times are estimated ~~times~~
- 15 organisational procedures for reporting circumstances which will affect the work programme

Protect work

- 16 protect work against loss and 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/or specialist
 - 17.1 timber, timber based products, composite materials, ~~manufactured sheet material, non-ferrous~~ metals, plastics, fabrics, glass and ironmongery ~~fixings and associated ancillary items~~
 - 17.2 computers, setting out programmes
 - 17.3 fittings and fixings
 - 17.4 ~~hand tools, portable and power tools and~~ CAD equipment
- 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 produce CAD setting out details

Security procedures

- 20 site, workplace, company and operative, vehicles

COSVR30

Set out structural timber framework

Overview

This standard is about interpreting information, adopting safe, healthy **and environmentally responsible** work practices, selecting **and using** materials, components, **tools and** equipment, setting out and marking out components for structural timber floors, walls and roofs

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

Set out structural timber framework

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of drawings, specifications, schedules, cutting lists, method statements, risk assessments and **manufacturers'** information related to the work to be carried out

Performance Criteria 2

- 2 avoidance of risk by **following the** **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
 - 2.5 safe use, storage and maintenance of tools and equipment
 - 2.6 **specific risks to health**

Performance Criteria 3

- 3 selection of resources associated with own work
 - 3.1 types and grades of timber
 - 3.2 **materials,** components and fixings
 - 3.3 marking, testing and levelling tools and equipment

Performance Criteria 4

- 4 protection of the work and its surrounding area from damage
- 5 **minimise damage and** maintain a **clean** clear 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, level and square
- 8 use and maintain marking, levelling and testing tools, **hand tools, portable** **and** power tools **and ancillary equipment**
- 9 measure, set out and mark out to given working instructions of
 - 9.1 timber wall and floor components (structural and/or non-structural)
 - 9.2 timber pitched roof components

Performance Criteria 6

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

Set out structural timber framework

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, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of **protection 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, manufacturers' information, oral **and** written **instructions**, **and** sketches, **electronic data**, cutting lists and information relating to historical timber framing and post and beam construction, **official guidance and current governing building regulations associated with setting out structural timber framework**

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 care of marking, testing and levelling tools, **hand tools, portable**

Set out structural timber framework

and 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 and area of work and materials used to
 - 9.1 set out and mark components for structural and non- structural timber walls, cross frames and floors
 - 9.2 set out and mark components for timber trussed purlin roofs
 - 9.3 use roofing squares and layout methods
 - 9.4 apply the theorem of Pythagoras
 - 9.5 determine geometrical angles
 - 9.6 determine graded timber tree anatomy and growth rates, shrinkage and defects
 - 9.7 assess the milling and cleaving process
 - 9.8 mark out joints for components associated with structural timber framework
 - 9.9 work with lifting equipment (an awareness of the necessity for user certification)
 - 9.10 erect timber framework
 - 9.11 use marking and levelling tools and equipment
 - ~~9.12 provide information for Building Information Modelling (BIM)~~
 - 9.13 recognise and determine when specialist skills and knowledge are required and report accordingly
 - 9.14 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
 - 9.15 identify and follow the installation quality requirements
 - 9.16 work with, around and in close proximity to plant and machinery
 - ~~9.17 direct and guide the operations and movement of plant and machinery???~~
 - 9.18 use hand tools, portable and power tools and equipment ???
 - 9.19 work at height
 - 9.20 use access equipment
- 10 team work and communication
- 11 needs of other occupations associated with setting out and marking structural timber framework

Set out structural timber framework

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~~, productivity targets and time scales
- 14 how times are estimated ~~times~~
- 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/or specialist
 - 17.1 timber, timber based products and composite materials, ~~manufactured sheet material~~
 - 17.2 pegs and metal fixings
 - 17.3 marking, testing and levelling tools and equipment
 - 17.4 fittings and fixings
 - 17.5 hand tools, ~~portable and power tools and equipment~~
- 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 set out structural timber framework

Security procedures

- 20 site, workplace, company and operative, vehicles

COSVR31

Fabricate structural timber framework

Overview

This standard is about interpreting information, adopting safe, healthy **and environmentally responsible** work practices, selecting **and using** materials, components, **tools** and equipment, fitting and assembling components for fabricated structural timber floors, walls and roofs

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

Fabricate structural timber framework

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of drawings, specifications, schedules, method statements, risk assessments, cutting lists and **manufacturers'** information related to the work to be carried out

Performance Criteria 2

- 2 avoidance of risk by **following the** **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 **and working platforms**
 - 2.4 safe use, storage **and handling** of materials
 - 2.5 safe use, storage and maintenance of **tools and equipment**
 - 2.6 **specific risks to health**

Performance Criteria 3

- 3 selection of resources associated with own work
 - 3.1 materials and structural components
 - 3.2 timber and metal fixings
 - 3.3 tools, machines and equipment

Performance Criteria 4

- 4 protection of the work and its surrounding area from damage
- 5 **minimise damage and** maintain a **clean** clear 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, joint, fit, mark, finish, position and secure
- 8 use and maintain hand **tools, portable** **and** power tools **and ancillary equipment**
- 9 fabricate, assemble and carpenter mark components to given working instructions for:
 - 9.1 timber wall and floor components (structural and/or non-structural)
 - 9.2 timber pitched roof components

Performance Criteria 6

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

Fabricate structural timber framework

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, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of **protection 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, oral **and** written **instructions**, **and** sketches, **electronic data**, cutting lists and **manufacturers'** information relating to historical timber framing and post and beam construction, **official guidance and current governing building regulations associated with fabricating structural timber framework**

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

Fabricate structural timber framework

Maintenance

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

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 cut, shape, fit and assemble components to fabricate structural and/or non- structural timber walls and floor components
 - 9.2 cut, shape, fit and assemble components for structural timber pitched roofs
 - 9.3 mark and drill offset peg holes
 - 9.4 make different types of pegs
 - 9.5 make carpenter marks
 - 9.6 use roofing squares and layout methods
 - 9.7 apply the theorem of Pythagoras
 - 9.8 determine geometrical angles
 - 9.9 determine graded timber tree anatomy and growth rates, shrinkage and defects
 - 9.10 assess the milling and cleaving process
 - 9.11 form specialised joints associated with heavy structural timber framework components
 - 9.12 store components ready for transportation and use
 - 9.13 work with lifting and hoisting equipment (an awareness of the necessity for user and equipment certification)
 - ~~9.14 provide information for Building Information Modelling (BIM)~~
 - 9.15 recognise and determine when specialist skills and knowledge are required and report accordingly
 - 9.16 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
 - 9.17 identify and follow the installation quality requirements
 - 9.18 work with, around and in close proximity to plant and machinery
 - ~~9.19 direct and guide the operations and movement of plant and machinery~~
 - 9.20 use hand tools, portable? hand-held power tools, specialised powers tools and machines and equipment ???
 - 9.21 work at height
 - 9.22 use access equipment and working platforms ???

COSVR31

Fabricate structural timber framework

- 10 team work and communication
- 11 needs of other occupations associated with fabrication of structural timber framework

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, productivity targets and time scales
- 14 how times are estimated times
- 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/or specialist
 - 17.1 timber, timber based products, composite materials, manufactured sheet material
 - 17.2 pegs and metal fixings
 - 17.3 marking and levelling tools and equipment
 - 17.4 fittings and fixings ???
 - 17.5 hand tools and hand-held portable power tools and equipment ??
- 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 fabricate structural timber framework

Security procedures

- 20 site, workplace, company and operative, vehicles

COSVR60

Assemble and erect heavy timber framework (post and beam)



Overview

This standard is about interpreting information, adopting safe, healthy **and environmentally responsible** work practices, selecting **and using** materials, components, **tools and equipment**, preparing, assembling and erecting heavy timber framework??

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

COSVR60

Assemble and erect heavy timber framework (post and beam)

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 **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, handling and **maintenance** of materials, **tools and equipment**
 - ~~2.5 safe use, storage and maintenance of tools and equipment~~
 - 2.6 **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 **minimise damage and** maintain a **clean** clear 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, level, plumb, align, cut, fit, fix, finish, position and secure
- 8 use and maintain hand **tools, portable** and power tools ~~and ancillary equipment~~
- 9 prepare, assemble and erect heavy timber framework for the following to given working instructions
 - 9.1 walls (structural and/or non-structural)
 - 9.2 floors
 - 9.3 roofs

Performance Criteria 6

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

COSVR60

Assemble and erect heavy timber framework (post and beam)

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, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of protection 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, manufacturers' information, oral and written instructions, and sketches, electronic data, official guidance and current governing building regulations associated with the assembly and erection of heavy timber framework (post and beam)

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 sharpening and operative care of hand tools, and/or hand-held portable power tools, and power tools and ancillary equipment ???

Assemble and erect heavy timber framework (post and beam)

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 unload and handle pre-fabricated components
 - 9.2 determine angles and lengths
 - 9.3 calculate geometrical angles
 - 9.4 determine graded timber tree anatomy and growth rates, shrinkage and defects
 - 9.5 assess the milling and cleaving process
 - 9.6 determine how the conversion method effects the end use
 - 9.7 form joints associated with structural and non-structural timber frame components
 - 9.8 brace in-situ components to form or support structural and/or non-structural frameworks
 - 9.9 assemble heavy timber framework walls, (structural and/or non-structural), floors and roofs (trusses, purlins, hips, valleys)
 - 9.10 erect heavy timber framework walls, (structural and/or non-structural), floors and roofs
 - 9.11 peg assemblies
 - 9.12 work with lifting and hoisting equipment
 - 9.13 finish surfaces (sand blasting, pest control, oiling and end sealing)
 - ~~9.14 provide information for Building Information Modelling (BIM)~~
 - 9.15 recognise and determine when specialist skills and knowledge are required and report accordingly
 - 9.16 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
 - 9.17 identify and follow the installation quality requirements
 - 9.18 work with, around and in close proximity to plant and machinery
 - ~~9.19 direct and guide the operations and movement of plant and machinery???~~
 - 9.20 use hand tools, portable and power tools and equipment
 - 9.21 work at height
 - 9.22 use access equipment and working platforms???
- 10 team work and communication
- 11 needs of other occupations associated with assembling and erecting heavy timber framework

COSVR60

Assemble and erect heavy timber framework (post and beam)

Problems

- 12 those arising from information, resources and methods of work
 - 12.1 own authority to rectify
 - 12.2 organisational reporting procedures
 - 12.3 inclement (**adverse**) weather ??? (**see protect work below**)

Programme

- 13 types of **progress charts, timetables, productivity targets** and **time scales**
- 14 **how times are** estimated **times**
- 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/or specialist
 - 17.1 timber, pre-fabricated components
 - 17.2 pegs, metal fixings, glues and resin products
 - 17.3 mechanical lifting equipment, appliances and accessories
 - 17.4 **fittings and fixings**
 - 17.5 hand **tools, and/or portable hand-held** power tools **and equipment ??**
- 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 assemble and erect heavy timber framework

Security procedures

- 20 site, workplace, company and operative, **vehicles**

COSVR628

Set up and use transportable cutting and shaping machines



Overview

This standard is about interpreting information, adopting safe, healthy **and environmentally responsible** work practices, selecting **and using** materials, components, **tools and** equipment for setting up, preparing and using cutting and shaping machines

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

Set up and use transportable cutting and shaping machines

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 **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 and ancillaries**
 - 2.5 **safe use and storage of tools, equipment and ancillaries**
 - 2.6 **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
 - 3.3 accessories

Performance Criteria 4

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

Set up and use transportable cutting and shaping machines

Performance Criteria 5

- 7 demonstration of work skills to measure, mark out, fit, fix, position secure and operate
- 8 use and maintain **hand tools, portable and power tools and ancillary equipment**
- 9 set up and use at least three of the following powered cutting machines to given working instructions
 - 9.1 saw (at least three from the following: circular, chop, mitre, bench **or table**, jig, reciprocating, **oscillating alligator or scroll**)
 - 9.2 drill
 - 9.3 planer
 - 9.4 biscuit jointer
 - 9.5 disc cutter
 - 9.6 morticer**
- 10 set up and use at least two of the following powered shaping machines to given working instructions
 - 10.1 thicknesser
 - 10.2 sander (orbital, belt, disc)
 - 10.3 router
 - 10.4 laminate trimmer
 - 10.5 **planer**

Performance Criteria 6

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

Set up and use transportable cutting and shaping machines

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, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of **protection 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, manufacturers' information, oral **and** written **instructions, and** sketches, **electronic data, official guidance** and **current governing building regulations associated with setting up and using transportable cutting and shaping machines**

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 care of **hand power tools and machines** **ancillary equipment ???**

Set up and use transportable cutting and shaping machines

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 check powered transportable cutting and shaping machines (fuel, **and** electric mains **and** battery) for serviceability
 - 9.2 set up machines in preparation for use
 - 9.3 check voltage requirements, safety cut offs and circuit breakers
 - 9.4 **check fuel, type, mix and additives**
 - 9.5 fix and secure work
 - 9.6 select and ensure safety guards are in place in accordance with machine instructions
 - 9.7 select accessories for the machine and the work
 - 9.8 identify maintenance requirements for accessories **e.g. sharpening, aligning**
 - 9.9 cut and shape materials to agreed tolerances
 - ~~9.10 change saw blades: circular, chop, mitre, bench, jig, reciprocating, alligator and scroll~~
 - 9.11 change accessories: drill bits, router bits, discs, planner blades, **saw blades, blades, tools**, abrasives
 - 9.12 use templates, profiles and jigs
 - ~~9.13 operate fixed machines~~
 - ~~9.14 provide information for Building Information Modelling (BIM)~~
 - 9.15 recognise and determine when specialist skills and knowledge are required and report accordingly
 - ~~9.16 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance~~
 - ~~9.17 identify and follow the installation quality requirements~~
 - ~~9.18 work with, around and in close proximity to plant and machinery???~~
 - ~~9.19 direct and guide the operations and movement of plant and machinery???~~
 - 9.20 use **hand tools, portable** and power tools, **accessories and**
 - 9.21 work at height
 - 9.22 use access equipment
- 10 team work and communication
- 11 needs of other occupations associated with operating **powered** transportable cutting and shaping machines

Set up and use transportable cutting and shaping machines

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~~, productivity targets and time scales
- 14 how times are estimated ~~times~~
- 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/or specialist
 - 17.1 accessories
 - 17.2 ~~fittings and fixings ???~~ attachments
 - 17.3 ~~hand tools, portable and power tools and equipment ??~~
- 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 process materials when operating powered transportable cutting and shaping machines

Security procedures

- 20 site, workplace, company and operative, vehicles

COSVR629

Install low level timber decks

Overview

This standard is about interpreting information, adopting safe, healthy **and environmentally responsible** work practices, selecting **and using** materials, components, **tools and** equipment, preparing and installing low level timber decks, walkways or boardwalks ??

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

Install low level timber decks

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 **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 **safe use and storage of tools and equipment**
 - 2.6 **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 **minimise damage and** maintain a **clean** clear and tidy work space
- 6 disposal of waste in accordance with **current** legislation

COSVR629

Install low level timber decks

Performance Criteria 5

- 7 demonstration of work skills to measure, mark out, cut, fit, level, plumb, finish, position and secure
- 8 use and maintain hand tools, portable and power tools and ancillary equipment
- 9 prepare site for, and install, low level timber decks, walkways or boardwalks to given working instructions, incorporating at least five of the following
 - 9.1 embedded column footings
 - 9.2 raised column footings
 - 9.3 wall plates
 - 9.4 blocking
 - 9.5 bracing
 - 9.6 parapets or balustrades
 - 9.7 stairs
- 10 ramps?????should this be 9.8????

Performance Criteria 6

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

Install low level timber decks

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, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of **protection 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, manufacturers' information, oral **and** written **instructions, and** sketches, **electronic data**, official guidance and **current governing building regulations associated with** low level timber decks

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 care of hand **tools, and/or portable** power tools **and ancillary equipment ???**

Install low level timber decks

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 confirm load bearing requirements
 - 9.2 identify desired service life
 - 9.3 identify parts of the low level deck, walkway or boardwalk (top rail, parapet, hand rail, balusters, newel post, edge joist, piers, column, bracing, blocking, joists, wall plate, deck boards)
 - 9.4 fit wall plates by masonry and other chemically cured fixings
 - 9.5 mix concrete and mortar
 - 9.6 prepare embedded and raised column footings
 - 9.7 prepare and form piers
 - 9.8 space columns
 - 9.9 assemble beams and posts
 - 9.10 mount joists
 - 9.11 fit blocking and bracing
 - 9.12 maximise optional cantilever
 - 9.13 prepare, fit and fix battens and deck boards
 - 9.14 fit parapets, including handrails, top rails and base rails
 - 9.15 fit access stairs and ramps
 - 9.16 cap vertical components
 - 9.17 advice on aftercare and maintenance
 - ~~9.18 provide information for Building Information Modelling (BIM)~~
 - 9.19 recognise and determine when specialist skills and knowledge are required and report accordingly
 - 9.20 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
 - 9.21 identify and follow the installation quality requirements
 - 9.22 work with, around and in close proximity to plant and machinery
 - ~~9.23 direct and guide the operations and movement of plant and machinery?~~
 - 9.24 use hand tools, portable and power tools and equipment
 - 9.25 work at height
 - 9.26 use access equipment
- 10 team work and communication
- 11 needs of other occupations associated with the installation of low level timber

COSVR629

Install low level timber decks

decks

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, productivity targets and time scales
- 14 how times are estimated times
- 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/or specialist
 - 17.1 treated timber
 - 17.2 metal fixings
 - 17.3 mortar and other chemical fixing agents
 - 17.4 fittings and fixings
 - 17.5 hand tools, and/or portable powered tools and equipment ?
- 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 install low level timber decks

Security procedures

- 20 site, workplace, company and operative, vehicles

Overview

This standard is about interpreting information, adopting safe, healthy **and environmentally responsible** work practices, selecting **and using** materials, components, **tools and** equipment, preparing and installing elevated timber decks, balconies, walkways or boardwalks ??

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

Install elevated timber decks

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 **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 **safe use and storage of tools and equipment**
 - 2.6 **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 **minimise damage and** maintain a **clean** clear and tidy work space
- 6 disposal of waste in accordance with **current** legislation

COSVR630

Install elevated timber decks

Performance Criteria 5

- 7 demonstration of work skills to measure, mark out, cut, fit, level, plumb, finish, position and secure
- 8 use and maintain hand tools, portable and power tools and ancillary equipment
- 9 prepare site for, and install, elevated timber decks, balconies, walkways or boardwalks to given working instructions, incorporating the following
 - 9.1 embedded column footings
 - 9.2 raised column footings
 - 9.3 wall plates
 - 9.4 clocking
 - 9.5 bracing
 - 9.6 parapets or balustrades
 - 9.7 stairs with landings
 - 9.8 ramps

Performance Criteria 6

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

COSVR630

Install elevated timber decks

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, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of **protection 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, manufacturers' information, oral **and** written **instructions, and** sketches, **electronic data**, official guidance and **current governing building regulations associated with installing elevated timber decks**

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 care of hand **tools, and/or portable power tools and ancillary equipment ???**

Install elevated timber decks

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 confirm load bearing requirements
 - 9.2 identify desired service life
 - 9.3 identify parts of the elevated deck, balcony, walkway or boardwalk (top rail, parapet, hand rail, balusters, newel post, edge joist, piers, column, bracing, blocking, joists, wall plate, deck boards)
 - 9.4 fit wall plates by masonry and other chemically cured fixings
 - 9.5 mix concrete and mortar
 - 9.6 prepare embedded and raised column footings
 - 9.7 prepare and form piers
 - 9.8 space columns
 - 9.9 assemble beams and posts
 - 9.10 mount joists
 - 9.11 fit blocking and bracing including diagonal bracing
 - 9.12 maximise optional cantilever
 - 9.13 prepare, fit and fix battens and deck boards
 - 9.14 fit parapets, including handrails, top rails and base rails
 - 9.15 fit access stairs with landings and ramps
 - 9.16 cap vertical components
 - 9.17 advice on aftercare and maintenance
 - ~~9.18 provide information for Building Information Modelling (BIM)~~
 - 9.19 recognise and determine when specialist skills and knowledge are required and report accordingly
 - 9.20 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
 - 9.21 identify and follow the installation quality requirements
 - 9.22 work with, around and in close proximity to plant and machinery
 - ~~9.23 direct and guide the operations and movement of plant and machinery???~~
 - 9.24 use hand ~~tools, portable~~ and power tools ~~and equipment~~ ???
 - 9.25 work at height
 - 9.26 use access equipment
- 10 team work and communication

COSVR630

Install elevated timber decks

11 needs of other occupations associated with the installation of elevated timber decks

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,~~ productivity targets and time scales

14 how times are estimated times

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/or specialist

17.1 treated timber

17.2 metal fixings

17.3 mortar and other chemical fixing agents

17.4 fittings and fixings ???

17.5 hand tools, and/or portable powered tools and equipment ??

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 install elevated timber decks

Security procedures

20 site, workplace, company and operative, vehicles

COSVR632

Manufacture bespoke products

Overview

This standard is about interpreting information, adopting safe, healthy **and environmentally responsible** work practices, selecting **and using** materials, components, **tools and** equipment for fitting and assembling plain and circular bespoke products for one or more of the following groups: architectural joinery; wheelwrighting **{carriage construction}**; shopfitting products **{timber, **timber based products and/or composite materials** and/or **non-ferrous** metal}**

This standard is for people working in the occupational area of wood occupations **for architectural joinery, wheelwrighting and shopfitting bench options** and can be used by operatives, supervisors and managers

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of drawings, specifications, schedules, method statements, risk assessments, cutting lists 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 **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 **safe use and storage of tools and equipment**
 - 2.6 **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 **minimise damage and** maintain a **clean** clear and tidy work space
- 6 disposal of waste in accordance with **current** legislation

Manufacture bespoke products

Performance Criteria 5

- 7 demonstration of work skills to measure, mark out, fit, finish, position and secure
- 8 use and maintain hand tools, portable and power tools and ancillary equipment
- 9 fit and assemble to form bespoke manufactured products to given working instructions for one of the following groups
 - 9.1 architectural joinery group (at least three items from the following): door sets; doors; opening windows; units and/or fitments; panelling or cladding; joinery products incorporating any of the following – glass, non-ferrous metal, fabrics, veneers and laminates; staircases (straight and with turns); handrails and balustrades; joinery products with single curvature features; joinery products with double curvature features
 - 9.2 wheelwrighting group (carriage construction): wheels plus at least two items from the following – doors; frames; wooden framed vehicles; shafts; butt welding rims; metal and/or rubber tyreing; wooden framed vehicles with single curvature features; wooden framed vehicles with double curvature features
 - 9.3 shopfitting products group (timber, timber based products and/or composite materials and/or non-ferrous metal and/or composite materials) at least four three items from the following: door sets; internal screens; doors; frames and linings; shopfront sashes, including associated elements; panelling or cladding; wall and floor units; products incorporating any of the following – glass, fabrics, veneers; laminates; staircases (straight and with turns); handrails and balustrades; shopfitting products with single curvature features; shopfitting products with double curvature features; soffits and bulkheads

Performance Criteria 6

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

Manufacture bespoke products

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, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of **protection 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, cutting lists, manufacturers' information, oral **and** written **instructions, and** sketches, **electronic data, official guidance**, component standards and **current governing building regulations associated with manufacturing bespoke products**

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 sharpening **and of hand** operative care of **hand and portable** power tools

Manufacture bespoke products

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 fit and assemble bespoke products
 - 9.2 produce straight in plan and elevation; door sets, doors, opening windows, units and fitments and panelling **and** cladding
 - 9.3 **produce** wooden framed vehicles, shafts, wheels, welded carriage components, metal and rubber tyreing (wheelwrighting only)
 - 9.4 produce staircases, handrails and balustrades straight and with turns
 - 9.5 **produce** **assemble and bond** veneers – hand and machine
 - 9.6 produce products with single and double curvature features
 - 9.7 produce bespoke products that incorporate associated materials (glass, plastics, fabrics, etc.)
 - 9.8 take site and workplace dimensions
 - 9.9 proportion joints associated with the product and construction method
 - ~~9.10 provide information for Building Information Modelling (BIM)~~
 - 9.11 recognise and determine when specialist skills and knowledge are required and report accordingly
 - 9.12 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
 - 9.13 identify and follow the installation quality requirements
 - 9.14 work with, around and in close proximity to plant and machinery
 - ~~9.15 direct and guide the operations and movement of plant and machinery???~~
 - 9.16 use hand tools, portable power tools and equipment
 - 9.17 requisition material
 - 9.18 **work at height**
 - 9.19 **use access equipment**
- 10 team work and communication
- 11 needs of other occupations associated with the manufacture of bespoke products

Manufacture bespoke products

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, productivity targets** and **time scales**
- 14 **how times are estimated times**
- 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/or specialist
 - 17.1 timber, **timber based products, composite materials, manufactured sheet material**, pre-machined components, setting out rods, **non-ferrous** metals, glass, plastics, fabrics, veneers, ironmongery, metal and rubber wheel rims, adhesives **and sealants, fixings and associated ancillary items**
 - 17.2 **fittings and fixings**
 - 17.3 hand **tools, portable and power tools and equipment**
- 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 manufacture bespoke products

Security procedures

- 20 site, workplace, company and operative, **vehicles**

COSVR633

Set up and use fixed machinery

Overview

This standard is about interpreting information, adopting safe, healthy and environmentally responsible work practices, selecting and using materials, components, tools and equipment, setting up fixed machinery and working timber, timber based products and/or composite materials and/or non-ferrous metal

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

COSVR633

Set up and use fixed machinery

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

Previous version (v1) PC criteria

- 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 work practices
- P3 carry out pre-start preparation inspections on power tools and equipment in accordance with approved procedures
- P4 comply with organisational procedures to minimise the risk of damage to the work and surrounding area
- P5 carry out operations using power tools and equipment in accordance with safe working practices to achieve the work outcome
- P6 complete the work within the allocated time, in accordance with the programme of work

COSVR633

Set up and use fixed machinery

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 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**

COSVR633

Set up and use fixed machinery

Performance Criteria 3

Pre-start preparation

You need to know and understand:

- K11 the level of understanding operatives must have of **information** for relevant, current **legislation and official guidance** and how it is applied
- K12 what the accident reporting procedures are and who is responsible for making the report

Performance Criteria 3

Selection of resources

You need to know and understand:

- K13 the characteristics, quality, uses, sustainability, limitations and defects associated with the **resources** and how defects should be rectified
- K14 how the **resources** should be used and how any **problems** associated with the **resources** are reported
- K15 the organisational procedures to select **resources**, why they have been developed and how they are used
- K16 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:

- K17 how to **protect work** from damage and the purpose of protection
- K18 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:

- K19 how **methods of work**, to meet the specification, are carried out and **problems** reported
- K20 how **maintenance** of tools and equipment is carried out

COSVR633

Set up and use fixed machinery

Performance Criteria 6

Use of tools and equipment

You need to know
and understand:

- K21 how **methods of operation**, to meet the required outcome, are carried out and **problems** reported
- K22 how the **resources** should be used and how any **problems** associated with the **resources** are reported
- K23 the **hazards** associated with the **resources** and **methods of operation** and how they are overcome
- K24 how **maintenance** of tools and equipment is carried out

Performance Criteria 6

Allocated time

You need to know and
understand:

- K25 what the **programme** is for the work to be carried out in the estimated, allocated time and why deadlines should be kept

Set up and use fixed machinery

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of drawings, specifications, schedules, cutting lists, method statements, **risk assessments** and manufacturers' information and operating instructions related to the work to be carried out

Performance Criteria 2

- 2 avoidance of risk by **following** **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 **safe use and storage of tools and equipment**
 - 2.6 **specific risks to health**

~~Performance Criteria 3~~

- ~~3 ~~checks carried out in accordance with legislation, official guidance and/or organisational requirements~~~~

Performance Criteria 3

- 4 **selection of resources associated with own work**
 - 4.1 **materials, components and fixings**
 - 4.2 **tools and equipment**

Performance Criteria 4

- 5 protection of the **work**, machine and its surrounding area from damage
- 6 **minimise damage and** maintain a **clean** clear and tidy work space
- 7 disposal of waste in accordance with **current** legislation

COSVR633

Set up and use fixed machinery

Performance Criteria 5

- 8 demonstration of work skills to measure, mark out, fit, finish, position and secure
- 9 use and maintain **hand tools, portable and power tools and ancillary equipment** and safety aids
- 10 set up and operate at least six of the following machines
 - 10.1 circular saw
 - 10.2 planer
 - 10.3 thicknesser
 - 10.4 bandsaw
 - 10.5 morticer
 - 10.6 tenoner
 - 10.7 spindle moulder
 - 10.8 drill
 - 10.9 grinder
 - 10.10 sander
 - 10.11 **overhead router**

Performance Criteria 6

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

Set up and use fixed machinery

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, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of **protection 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, cutting lists, method statements, risk assessments, manufacturers' information, oral **and** written **instructions**, **and** sketches, **electronic data**, **official guidance** and **current** regulations governing the use of machinery to work timber, **timber based products**, **composite materials**, **or non-ferrous** and metal **buildings ??? / associated with ????**

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

Set up and use fixed machinery

Maintenance

- 8 operative care of safety aids, hand tools, portable and 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 and area of work and materials used to
- 9.1 set up machines: circular saw, planer, thicknesser, bandsaw, morticer, tenoner, spindle moulder, router, drill, grinder and sander
 - 9.2 check the operation of machines
 - 9.3 cut material to size and shape
 - 9.4 plane materials to size
 - 9.5 change sawblades (circular and band), planer knives, morticer tooling, tenoner and spindle moulder cutting blocks
 - 9.6 form mortice in materials
 - ~~9.7 change drills and taps~~
 - 9.8 change abrasive wheels and discs
 - 9.9 cut sections straight and shaped
 - ~~9.10 grind, finish and texture surfaces~~
 - ~~9.11 drill and tap materials~~
 - ~~9.12 provide information for Building Information Modelling (BIM)~~
 - 9.13 recognise and determine when specialist skills and knowledge are required and report accordingly
 - 9.14 make templates and jigs
 - ~~9.15 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance~~
 - 9.16 identify and follow the installation quality requirements
 - ~~9.17 work with, around and in close proximity to plant and machinery~~
 - ~~9.18 direct and guide the operations and movement of plant and machinery???~~
 - 9.19 use hand tools, portable and power tools and equipment ???
 - 9.20 work at height
 - 9.21 use access equipment and working platforms ????
- 10 team work and communication
- 11 needs of other occupations associated with setting up and using fixed machinery

Set up and use fixed machinery

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~~, productivity targets and time scales
- 14 how times are estimated times
- 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/or specialist
 - 17.1 accessories
 - ~~17.2 fittings and fixings ??~~
 - 17.3 hand tools, portable and power tools and equipment
- 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 set up and use fixed machinery

Security procedures

- 20 site, workplace, company and operative, vehicles

Overview

This standard is about interpreting information, adopting safe, healthy and environmentally responsible work practices, selecting and using materials, components, tools and equipment, equipment and producing setting out rods and marking out plain and circular bespoke products for one or more of the following groups: architectural joinery; wheelwrighting (carriage construction); shopfitting products (timber, timber based products and/or composite materials and/or non-ferrous metal)

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

Produce setting out details for bespoke products

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of drawings, specifications, schedules, method statements, risk assessments, cutting lists 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 **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 **safe use and storage of tools and equipment**
 - 2.6 **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 **minimise damage and** maintain a **clean** clear and tidy work space
- 6 disposal of waste in accordance with **current** legislation

Produce setting out details for bespoke products

Performance Criteria 5

- 7 demonstration of work skills to measure, mark out and draw
- 8 use and maintain hand marking and testing tools, portable and power tools and ancillary equipment ??
- 9 produce setting out details, marking out and cutting lists for bespoke products to given working instructions for one of the following groups [AS 632.....Page 129](#)
 - 9.1 architectural joinery group (at least three items from the following):
door sets; doors; sliding sash windows; units and/or fitments;
panelling and/or cladding; staircases (straight and with turns);
handrails and balustrading; joinery products incorporating any of the following – glass, non-ferrous metal, fabrics, veneers, laminates;
joinery products with single curvature features; joinery products with double curvature features
 - 9.2 wheelwrighting group (carriage construction): wheels plus at least two items from the following – doors; frames; wooden framed vehicles; shafts; steps; wooden framed vehicles with single curvature features; wooden framed vehicles with double curvature features
 - 9.3 shopfitting products group (timber, timber based products and/or composite materials and/or non-ferrous metal and/or composite materials) at least four items from the following: doors; frames and linings; shopfront sashes, including associated elements; framed panelling and/or cladding; wall and floor units; products incorporating any of the following – glass, fabrics, veneers; staircases (straight and with turns); handrails and balustrades; shopfitting products with single curvature features; shopfitting products with double curvature features; soffits and bulkheads

Performance Criteria 6

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

Produce setting out details for bespoke products

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, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of **protection 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, cutting lists, manufacturers' information, oral **and** written **instructions, and** sketches, **electronic data, official guidance (animal welfare)**, component standards and **current** regulations governing buildings **associated with producing setting out details for bespoke products**

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

Produce setting out details for bespoke products

Maintenance

- 8 ~~sharpening of hand tools and operative care of portable power tools and ancillary equipment~~ 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 set out, mark out and produce cutting lists for bespoke products
 - 9.2 produce straight in plan and elevation; door sets, doors, sliding sash windows, units and fitments, panelling and cladding
 - 9.3 wooden framed vehicles, shafts and wheels (wheelwrighting only)
 - 9.4 produce staircases, handrails and balustrades, straight and with turns
 - 9.5 produce products with single and double curvature features by geometrical development relating to the above items
 - 9.6 take site and workplace dimensions
 - 9.7 proportion joints associated with the product and construction methods
 - 9.8 requisition material
 - ~~9.9 provide information for Building Information Modelling (BIM)~~
 - 9.10 recognise and determine when specialist skills and knowledge are required and report accordingly
 - 9.11 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
 - 9.12 identify and follow the installation quality requirements
 - 9.13 work with, around and in close proximity to plant and machinery
 - ~~9.14 direct and guide the operations and movement of plant and machinery???~~
 - 9.15 use hand tools, marking and testing tools, portable and power tools and equipment ???
 - 9.16 requisition material
 - 9.17 work at height
 - 9.18 use access equipment
- 10 team work and communication
- 11 needs of other occupations associated with producing setting out details for bespoke products

Produce setting out details for bespoke products

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, productivity targets** and **time scales**
- 14 **how times are estimated times**
- 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/or specialist
 - 17.1 timber, **timber based products, composite materials, manufactured sheet material**, paper rods, glass, plastic, fabric, **non-ferrous metal**, ironmongery, adhesives, **fixings and associated ancillary items**
 - 17.2 **fittings and fixings**
 - 17.3 marking and testing tools, **hand tools, portable and power tools and equipment**????
- 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 produce setting out details for bespoke products

Security procedures

- 20 site, workplace, company and operative, **vehicles**

COSVR635

Design and fabricate structural timber connections

Overview

This standard is about interpreting information, adopting safe, healthy **and environmentally responsible** work practices, selecting **and using** materials, components, **tools and** equipment, designing, preparing and fabricating structural pegged timber connections ??

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

Design and fabricate structural timber connections

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 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 ~~safe use and storage of tools and equipment~~
 - 2.6 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 ~~minimise damage and~~ maintain a ~~clean~~ clear and tidy work space
- 6 disposal of waste in accordance with current legislation

Design and fabricate structural timber connections

Performance Criteria 5

- 7 demonstration of work skills to design, measure, mark out, cut, fit, finish, position and secure
- 8 use and maintain hand ~~tools, portable~~ and power tools ~~and ancillary equipment~~
- 9 design and fabricate the following structural pegged timber connections for post and beam floor, roof, wall or cross frames to given working instructions
 - 9.1 mortice and tenon
 - 9.2 barefaced tenon
 - 9.3 stopped tenon
 - 9.4 bevelled-shoulder tenon
 - 9.5 dovetailed tenon
 - 9.6 bridle joint
 - 9.7 tusk tenon
 - 9.8 pegged scarf joint for top plate, cill plate, purlin and tie beam
 - 9.9 dovetailed, secret dovetailed or cogged lap joint
 - 9.10 free ~~and/or~~ slip tenon or spline joint

Performance Criteria 6

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

Design and fabricate structural timber connections

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, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of **protection 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, manufacturers' information, oral **and** written **instructions, and** sketches, **electronic data, official guidance** and **current governing building regulations associated with designing and fabricating structural timber connections**

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 care of hand **tools** and **/or portable** power tools **and ancillary**

Design and fabricate structural timber connections

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 design pegged post and beam connections suitable for frames
 - 9.2 identify loads that will act on a frame (dead, live and wind)
 - 9.3 identify the effects of loads on a frame (sustained load, load duration, purlin load, floor joist loads, braces and wind loading and beam sizes)
 - 9.4 identify the types of stress acting on a frame (compression, tension, shear and bending)
 - 9.5 identify criteria to determine peg hole size and position
 - 9.6 identify changes that will occur to connections with shrinkage
 - 9.7 apply the theorem of Pythagoras
 - 9.8 determine geometrical angles
 - 9.9 determine graded timber tree anatomy and growth rates, shrinkage and defects
 - 9.10 ensure safe and practical erection of components
 - 9.11 work with lifting and hoisting equipment (an awareness of the necessity for user certification)
 - ~~9.12 provide information for Building Information Modelling (BIM)~~
 - 9.13 recognise and determine when specialist skills and knowledge are required and report accordingly
 - 9.14 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
 - 9.15 identify and follow the installation quality requirements
 - 9.16 work with, around and in close proximity to plant and machinery
 - ~~9.17 direct and guide the operations and movement of plant and machinery???~~
 - 9.18 use hand **tools, portable** and power tools **and equipment** ???
 - 9.19 **work at height**
 - 9.20 use access equipment
- 10 team work and communication
- 11 needs of other occupations associated with designing and fabricating structural timber connections

Design and fabricate structural timber connections

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~~, productivity targets and time scales
- 14 how times are estimated times
- 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/or specialist
 - 17.1 measuring and marking equipment
 - 17.2 draw pins or podgers, wedges, clamps and trestles
 - 17.3 lifting equipment and ancillaries
 - 17.4 fittings and fixings ???
 - 17.5 hand tools and hand-held portable powered tools, specialist power tools, machines and equipment.????
- 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 design and fabricate structural timber connections

Security procedures

- 20 site, workplace, company and operative, vehicles

COSVR636

Fabricate post and beam components

Overview

This standard is about interpreting information, adopting safe, healthy **and environmentally responsible** work practices, selecting **and using** materials, components, tools and equipment, preparing and fabricating post and beam components for heavy structural timber frames

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

Fabricate post and beam components

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 **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 **safe use and storage of tools and equipment**
 - 2.6 **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 **minimise damage and** maintain a **clean** clear and tidy work space
- 6 disposal of waste in accordance with **current** legislation

Fabricate post and beam components

Performance Criteria 5

- 7 demonstration of work skills to level, plumb, measure, mark out, cut, shape, fit, finish, position and secure
- 8 use and maintain hand ~~tools, portable~~ and power tools ~~and ancillary equipment~~
- 9 fabricate and carpenter mark post and beam components for the following assemblies to given working instructions
 - 9.1 wall frame with soleplate, post or jowl post, stud, rail, wall braces and top plate
 - 9.2 tied or closed truss to include: king post truss with tie beam, king post, king struts and principal rafters or heavy tied truss with tie beam, principle rafters and curved internal members (collar or queen struts)
 - 9.3 trusses with at least two of the following: interrupted tie; curved sling brace; hammer beams and braces; collar and arched braces; scissor braces; curved tension braces; cruck blades
 - 9.4 hip and valley construction to include hip beam or rafter, dragon beam, dragon tie, valley beam or rafter and jack rafters
 - 9.5 roof construction to include wind bracing and at least two of the following: purlins scarfed; purlins trenched and cogged; purlins secured with free ~~and/or~~ slip tenons or splines; clasped purlins; crown plate ~~and/or~~ collar purlins

Performance Criteria 6

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

Fabricate post and beam components

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, methods of work, manufacturers' technical information, statutory regulations and official guidance

Health and safety control equipment

- 5 identified by the principles of **protection 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, manufacturers' information, oral **and** written **instructions, and** sketches, **electronic data, official guidance** and **current governing building regulations associated with fabricating post and beam components**

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 care of hand **tools, and/or portable** power tools **and ancillary**

Fabricate post and beam components

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 lay out frames
 - 9.2 mark out components for fabrication, plumb scribe, square rule and mapping
 - 9.3 apply the theorem of Pythagoras
 - 9.4 determine geometrical angles
 - 9.5 determine graded timber tree anatomy and growth rates, shrinkage and defects
 - 9.6 fabricate post and beam components for roof, wall, cross and floor frames
 - 9.7 form specialist joints associated with heavy structural timber framework
 - 9.8 identify principle structural components and load paths
 - 9.9 work with lifting and hoisting equipment (an awareness of the necessity for user certification)
 - ~~9.10 provide information for Building Information Modelling (BIM)~~
 - 9.11 recognise and determine when specialist skills and knowledge are required and report accordingly
 - 9.12 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
 - 9.13 identify and follow the installation quality requirements
 - 9.14 work with, around and in close proximity to plant and machinery
 - ~~9.15 direct and guide the operations and movement of plant and machinery???~~
 - 9.16 use hand ~~tools, portable? hand-held~~ and power tools, ~~specialist power tools, machines and equipment ?~~
 - 9.17 work at height
 - 9.18 use access equipment
- 10 team work and communication
- 11 needs of other occupations associated with the fabrication of post and beam components

Fabricate post and beam 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~~, productivity targets and time scales
- 14 how times are estimated times
- 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/or specialist
 - 17.1 measuring and marking equipment
 - 17.2 draw pins or podgers, wedges, clamps and trestles
 - 17.3 lifting equipment and ancillaries
 - 17.4 fittings and fixings ??
 - 17.5 hand tools, and/or portable ? hand held powered tools, specialist power tools, machines and equipment??
- 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 fabricate post and beam components

Security procedures

- 20 site, workplace, company and operative, vehicles