

Overview

This standard is about 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 metal), interpreting information, adopting safe, healthy and environmentally responsible work practices, and selecting and using materials, components, tools and equipment

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

Performance criteria

- You must be able to:*
- P1 interpret the given information relating to the work and resources to confirm its relevance
 - P2 comply with the given, relevant legislation and official guidance to carry out your work and maintain safe and healthy work practices
 - P3 select the required quantity and quality of resources for the methods of work
 - P4 comply with organisational procedures to minimise the risk of damage to the work and surrounding area
 - P5 comply with the given contract information to carry out the work efficiently to the required specification
 - P6 complete the work within the allocated time, in accordance with the programme of work

Knowledge and understanding

You need to know and understand: **Performance Criteria 1**

Interpretation of information

K1 the organisational procedures developed to report and rectify inappropriate **information** and unsuitable **resources**, and how they are implemented

K2 the types of **information**, their source and how they are interpreted

K3 the organisational procedures to solve **problems** with the **information** and why it is important they are followed

Performance Criteria 2

Safe work practices

K4 the level of understanding operatives must have of **information** for relevant, current **legislation and official guidance** and how it is applied

K5 the types of **fire extinguishers** and how and when they are used

K6 how **emergencies** should be responded to and who should respond

K7 the organisational **security procedures** for tools, equipment and personal belongings

K8 what the accident reporting procedures are and who is responsible for making the report

K9 why, when and how **health and safety control equipment** should be used

K10 how to comply with environmentally responsible work practices to meet current **legislation and official guidance**

Performance Criteria 3

Selection of resources

K11 the characteristics, quality, uses, sustainability, limitations and defects associated with the **resources** and how defects should be rectified

K12 how the **resources** should be used and how any **problems** associated with the **resources** are reported

K13 the organisational procedures to select **resources**, why they have been developed and how they are used

K14 the **hazards** associated with the **resources** and **methods of work** and how they are overcome

Performance Criteria 4

Minimise the risk of damage

K15 how to **protect work** from damage and the purpose of protection

K16 why **disposal of waste** should be carried out safely and how it is achieved

Performance Criteria 5

Meet the contract specification

K17 how **methods of work**, to meet the specification, are carried out and **problems** reported

K18 how **maintenance** of tools and equipment is carried out

Performance Criteria 6

Allocated time

K19 what the **programme** is for the work to be carried out in the estimated, allocated time and why deadlines should be kept

Scope/range**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 specific risks to health

Performance Criteria 3

3 selection of resources associated with own work

3.1 materials, components and fixings

3.2 tools and equipment

Performance Criteria 4

4 protection of the work and its surrounding area from damage

5 maintain a 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 and power tools

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, metal, fabrics, veneers and laminate, 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 metal) at least three items from the following: door sets, internal screens, frames and linings, shopfront sashes, including associated elements; panelling or cladding, units and fitments, 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

**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, cutting lists, manufacturers' information, oral and written instructions, sketches, electronic data, official guidance, component standards and current 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 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 fit and assemble bespoke products

9.2 produce straight in plan and elevation; door sets, doors, opening windows, units and fittings 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 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 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 use hand and power tools, and equipment

9.15 requisition material

9.16 work at height

9.17 use access equipment

Manufacture bespoke products

- 10 team work and communication
- 11 needs of other occupations associated with the manufacture of 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 productivity targets and time scales
- 14 how times are estimated
- 15 organisational procedures for reporting circumstances which will affect the work programme

Protect work

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

Resources

- 17 materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist
 - 17.1 timber, timber based products, composite materials, metal, pre-machined components, setting out rods, glass, plastics, fabrics, veneers, ironmongery, metal and rubber wheel rims, adhesives and sealants
 - 17.2 fittings and fixings
 - 17.3 hand and power tools
- 18 confirm resources and materials conform with the specification including suitability, moisture and durability
- 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, operative and vehicles

Manufacture bespoke products

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